

## **REQUEST FOR PROPOSALS**

The City of Rochester, New Hampshire is accepting sealed bids for **"City Hall Annex Environmental Remediation and Interior Demolition Building"**. Bids must be submitted in a sealed envelope plainly marked:

**City Hall Annex  
Environmental Remediation and Interior Demolition  
"RFP 14-26"  
City of Rochester  
31 Wakefield Street  
Rochester, NH 03867  
Attn: Purchasing Agent**

All bids must be received no later than **"October 17, 2013"** at **"2:15"** p.m. Actual bid opening will begin at 2:30 p.m. No late bids, faxed, e-mailed or telephone bids will be accepted. Bid proposals and specifications may be obtained by visiting [www.rochesternh.net](http://www.rochesternh.net), or emailing [purchasing@rochesternh.net](mailto:purchasing@rochesternh.net), or by contacting the Purchasing Agent at City Hall, 31 Wakefield Street, Rochester, NH 03867, (603) 335-7602. All bid questions must be submitted in writing (email preferred) to the Purchasing Agent. All bid proposals must be made on the bid proposal forms supplied, and the bid proposal forms must be fully completed when submitted.

A mandatory walk through will be held on Tuesday October 8, 2013 at 10:00 am at City Hall, 31 Wakefield Street, Rochester NH 03867.

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## **SECTION 1**

### **SCOPE OF WORK AND BID DOCUMENTS**

**Scope of Work**  
**City of Rochester**  
**City Hall Annex Environmental Remediation and Interior Demolition**

**PART I General****General Scope of Work:**

The City of Rochester is soliciting proposals to perform a complete environmental remediation and interior demolition to the former Police Department building, which is to eventually become the City Hall Annex. The subject building is located adjacent to the City Hall at 31 Wakefield Street, Rochester. The City Hall Annex is an historic building.

Interested parties will submit a proposal to completely mitigate interior microbial and partially mitigate asbestos environmental issues and remove all interior non load bearing structural components and mechanical and electrical components that do not service the City Hall building. Contractor shall be responsible to provide all labor, materials, equipment and incidentals required to perform all work herein. Contractor shall be certified to remediate microbial and asbestos materials. Contractor shall employ only personnel that are trained and experienced in the work herein. This is a lump sum contract. All interior components demolished and removed from building shall be removed to a proper facility and disposed of in accordance with Federal, State and Local regulations. Contractor shall be responsible for obtaining and funding all required Local, State and Federal permits prior to work and for any administrative actions required to close permits. Following demolition and remediation, contractor shall perform atmospheric microbial testing of interior spaces in a quantity sufficient to professionally determine the level of safety.

The quantities and locations of non-load bearing structural components are unknown and must be determined by the contractor. Contractor shall employ a structural engineer licensed in the state of New Hampshire to make structural determinations and oversee non-load bearing component removal. The recommended approach is for the Contractor to remove existing overhead suspended ceiling systems to expose load bearing and non-load bearing structural components. In some cases non-load bearing partitions may extend to rigid ceiling systems. Contractor shall otherwise perform investigative demolition under the supervision of the structural engineer to determine the extent of non-load bearing structural systems to be removed. The structural engineer shall locate and quantify non-load bearing structural components to be removed and provide a report which documents their findings and the action taken. Full drawing sets are not required however neat engineering sketches shall be included within the report which clearly show all load bearing and non-load bearing components and whether demolished or retained.

Most non load-bearing structural components to be removed consist of stud and gypsum board walls with steel door frames and wood or steel doors. Included is removal of overhead suspended ceiling systems, carpeting or flooring products such as tile, linoleum, etc. as applicable and asbestos containing glazing, flooring and subflooring. A mandatory site walk is required. See below.

**PART II Existing Conditions****Environmental and Structural Conditions:**

See attached Indoor Air Quality assessments completed by the Scott Lawson Group, dated 01 November 2012 and 28 February 2013. The reports document the presence of microbial growth.

See attached Asbestos, Lead Paint and Polychlorinated Biphenyls (PCBs) Survey completed by the Scott Lawson Group in October 2012. Interior asbestos containing materials to be removed are 12 inch x 12 inch floor tiles and associated black mastic (2500 square feet), and pipe insulation (20 linear feet). Note: the pink flooring substrate between the floors of unknown quantity is not to be removed. No lead based paint was detected. No PCBs were detected.

See attached report from Steffensen Engineering Associates, Inc. of 22 December 2011 regarding the structural integrity of the building. The building is in good structural condition.

Much of the microbial growth resides on interior non-load bearing components such as walls and suspended ceiling systems. It is anticipated that removal of non-load bearing structural components to fulfill the interior demolition requirements will mitigate much of the microbial presence. Contractor will also be responsible for removal of all asbestos containing materials as documented in the Scott Lawson Group survey.

Should the presence of friable asbestos occur during demolition, Contractor shall implement required safety precautions, cease all work and notify the Department of Public Works immediately.

**PART III Execution****Contractor Proposals:**

Proposals shall present a plan to completely remediate the environmental issues related to asbestos and microbial growth and to perform removal of interior non-load bearing structural components and electrical and mechanical systems which do not support City Hall. Services to City Hall and Fire Department must be maintained at all times.

Proposal shall include a comprehensive plan to include a detailed narrative which shows well defined project milestones and dates. Narrative shall explain the methods and means used to carry out the environmental remediation and interior demolition. Narrative shall cite applicable State and Federal requirements for the work and how compliance will be achieved. Plan shall include key contractor contacts with cellular numbers and a detailed list of the equipment and materials to be used. Plan shall also include the names of and copies of pertinent certifications of all contractor personnel on this project. Plan shall include insurance certificates, NH DES asbestos notification, contingency plan, waste hauler and landfill information, communications plan, material safety data sheets, employee certificates and fit testing and site specific standard operating procedure.

Proposal shall also include a list of projects completed by the contractor which are similar in scope and size, with appropriate contacts. Award will be based upon proposal cost and contractor demonstration with sufficient references, resources, and documentation of similar work and the

ability to complete the total project on time. In determining the successful bidder, in addition to price, the following shall be considered:

- a. The ability and skill of the bidder to perform the contract. Items of consideration include, but are not limited to; length of time in business, and list of references of similar historical structure remediation and interior demolition/renovation.
- b. Whether the bidder can perform the contract promptly without delay or interference.
- c. The character, integrity, reputation, judgment, experience, and efficiency of the bidder.
- d. The quality of performance of previous contracts for services.
- e. Contractor shall disclose whether it has been involved in any litigation, disciplinary actions, administrative proceeding, arbitration or mediation.
- f. Contractor shall submit with their bid, a copy of fines imposed, if any.

Proposal shall include a lump sum cost for combined remediation and demolition. Cost shall include all labor, materials, equipment, transportation, disposal fees, permitting fees, incidentals and engineering oversight.

The contractor shall certify in writing that all employees of contractor and any subcontractors are legal citizens of the United States and are known to be reliable and trustworthy.

**Site Walk:**

There will be a mandatory site walk on 08 October 2013 at 10:00 a.m. Contractors are advised to bring respiratory protection due to the presence of microbial growth on the building interior. The site walk will be the chief opportunity to gather information regarding interior structural components and electrical and mechanical systems. Representatives from Public Works, Code Enforcement and the Fire Department will be present to answer questions. Drawings of the building interior will be provided to prospective bidders. The City makes no guarantees as to the accuracy, scale or content of such drawings. The drawings are offered as a supplement to visual inspection of the existing conditions. Any failure of the contractor to acquaint himself with available information or the physical aspects of the building interior during the site walk will not relieve them from the responsibility for estimating properly the difficulty or cost of successfully performing the work. Contractors are advised to bring equipment to perform dimensional measurements for bidding purposes.

**Existing Electrical to Remain:**

Some electrical systems within the building are served by a backup emergency generator which provides electrical power to the adjacent Fire Department and City Hall buildings. Electrical components in this system shall remain. There is also an electrical panel within that provides power to City Hall. Components of this system shall remain. Contractor shall be responsible for the relocation of any electrical systems that are to remain but are attached to building components which are to be removed. All other electrical and mechanical systems shall be removed and disposed of. Perform all work in accordance with the National Electrical Code and local, state and federal regulations.

**Work Hours:**

Work Hours shall be 7:00 a.m. to 5:00 p.m. Monday through Friday. Exceptions may be made subject to Public Works Department approval.

**Miscellaneous:**

Smoking is prohibited inside or within 30 feet of any City building. All workers must be either in uniform or with proper identification. Restroom facilities will be made available but will be revoked if it is determined that contractor personnel conduct themselves such to provide increased cleaning burden on the City.

**Debris Control and Site Restoration:**

The Annex is a high visibility area. At the close of each day, Contractor shall police the exterior of the Annex and remove any surplus materials, falsework, temporary structures including foundations thereof, and debris of every nature resulting from his operations, and put the site in a neat orderly condition and thoroughly clean and leave dust free, all exterior surfaces. The contractor shall replace in kind, any damaged walks, roadways and curbs, and shall repair and reseed or re-sod all lawns damaged by construction.

**Safety:**

The Annex is adjacent to the City Hall which is an active facility. Persons enter and exit City Hall in the immediate vicinity of the Annex throughout the work day. The City Hall parking area is active with vehicles and pedestrians. Contractor shall employ adequate signage, barricades and barriers to ensure the safety of those in the area. If chutes are employed, adequate overhead safety shall be ensured. The entrance to City Hall by the Annex is the only handicap entrance to the elevator and must be accessible at all times.)

**Contractor Staging and Storage Areas:**

Storage area for roll off receptacles will be provided by the City. Staging area for contractor equipment and vehicles will be provided by the City. Areas will be discussed at the mandatory site walk.

**Project Acceptance**

All work herein shall be completed and project accepted by the City by 31 December 2013. Contractor shall submit a written narrative report to include dates of work, equipment used, names of workers and copies of their certifications. Report shall also include a copy of the waste manifests, any permits required and drawings showing the non-structural components removed. Include all items specified in the proposal plan and annotate where there were any departures from the proposed plan. The Report shall also include copies of laboratory results for atmospheric microbial testing and copies of contractor's remediation licenses. Testing shall be sufficient in numbers and building interior locations to render a professional determination on the safety level in all areas of the building.

**Liquidated Damages**

It is an essential part of the Contract that the Contractor shall perform fully, entirely and in an acceptable manner, the work under Contract within the time stated in the Contract. If the Contractor finds it impossible for reasons beyond its control to complete the work within the

Contract time, it shall make a written request to the Department of Public Works for an extension of time setting forth the reasons which it believes will justify the granting of its request. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the Department finds that the work was delayed because of conditions beyond the control and without the fault of the Contractor, including but not limited to acts of God, utility relocations, strikes, delays in the delivery of critical materials, and work requiring specialists for whose starting time a reasonable latitude must be allowed, the Department may extend the time for completion in such amount as conditions justify. When extension of the Contract time is required due to delays in the delivery of critical materials, sufficient evidence must be furnished to the City at the time the delay occurs showing that such delay results from the materials being unavailable by reason of unusual market conditions such as an industry-wide strike, natural disaster or an area-wide shortage which arises after bids are taken and which prevents the procurement of materials within the allowable time of limitations. Delays due to slow delivery from a source of supply when the required material is available elsewhere will not be considered as justification for an extension of time.

For each day that any work shall remain uncompleted after the Contract time specified for completion of the work, including extensions, the fixed daily charge specified below will be deducted from any money due the Contractor, not as a penalty, but as liquidated damages. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the City of any of its rights under the Contract. The City may waive such portions of the liquidated damages as may occur after the work is in condition for safe and convenient use. The fixed, agreed liquidated damages shall be \$500.00 per day. The City may withhold any amount of money otherwise due the Contractor to offset such liquidated damage and the Contractor and its SURETY shall be liable to the City for all additional liquidated damages as provided herein.

**BID FORM**

COMPANY NAME: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE# \_\_\_\_\_ FAX# \_\_\_\_\_ E-MAIL \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

Cost to perform complete City Hall Annex environmental remediation and interior demolition

\$ \_\_\_\_\_  
(cost in numbers)

\_\_\_\_\_  
(cost in words)

**INSTRUCTION TO BIDDERS****PREPARATION OF BID PROPOSAL**

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item. All figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
4. All questions shall be submitted in writing to and received by the Purchasing Agent at the above address, a minimum of 7 days prior to the scheduled bid opening. The Purchasing Agent, will then forward both the question and the city's response to the question to all known prospective bidders.

**IRREGULAR PROPOSALS**

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

**DELIVERY OF BID PROPOSALS**

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Emailed or faxed bid proposals are not acceptable.

**WITHDRAWAL OF BID PROPOSALS**

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

**PUBLIC OPENING OF BID PROPOSALS**

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

**DISQUALIFICATION OF BIDDERS**

Either of the following reasons may be considered as being sufficient for the disqualification of a bidder and the rejection of her/his bid proposal(s):

1. Evidence of collusion among bidders.
2. Failure to supply complete information as requested by the bid specifications.

**CONSIDERATION OF PROPOSALS**

1. Bids will be made public at the time of opening and may be reviewed only after they have been properly recorded. In case of discrepancy between the prices written in words and those written figures, the prices written in words shall govern. In case of a discrepancy between the total shown in the proposal and that obtained by adding the products of the quantities of items and unit bid prices, the latter shall govern.
2. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the City, the best interest of the City of Rochester will be promoted thereby.
3. Bid results will be available on the website at [www.rochesternh.net](http://www.rochesternh.net) within 48 hours of the bid opening.

**AWARD OF CONTRACT**

The City holds the right, in its judgment, to award the contract to the bidder, which it feels is in the best interest of the City. If a contract is to be awarded, the Contractor/Vendor selection shall be based in part on possession of the necessary experience, organization, technical and professional qualifications, skills and facilities, reference checks, project understanding, approach, ability to comply with proposed or required time to completion or performance, licensing or certification, in good standing with Federal, State and Local agencies, possession of satisfactory record of performance, cost and to a responsible and qualified bidder whose proposal complies with all the requirements prescribed as soon as practical after the bid opening. No bid shall be withdrawn for a period of (60) sixty days subsequent to the opening of bids without the consent of the City of Rochester. The successful bidder will be notified, by the form mailed to the address on his proposal, that his bid has been accepted and that he has been awarded the contract.

**CANCELLATION OF AWARD**

The City reserves the right to cancel the award of any contract at any time before the execution of such contract by all parties without any liability or other claim against the City.

**BID EVALUATION**

In addition to the bid amount, additional factors will be considered as an integral part of the bid evaluation process, including, but not limited to:

1. The bidder's ability, capacity, and skill to perform within the specified time limits.
2. The bidder's experience, reputation, efficiency, judgment, and integrity.
3. The quality, availability and adaptability of the supplies and materials sold.
4. The bidder's past performance.
5. The sufficiency of bidder's financial resources to fulfill the contract.
6. The bidder's ability to provide future maintenance and/or services.
7. Any other applicable factors as the City determines necessary and appropriate (such as compatibility with existing equipment).

**CONDITIONS AT SITE**

Bidders shall be responsible for having ascertained pertinent local conditions, such as: location, accessibility and general character of the site. The character and extent of existing work within or adjacent to the site and any other work being performed thereon at the time of the submission of her/his bid.

**LAWS, PERMITS AND REGULATIONS**

1. The Contractor shall obtain and pay for all licenses and permits as may be required of him by law, and shall pay for all fees and charges for connection to outside services, and use of property other than the site of the work for storage of materials or other purposes.
2. The Contractor shall comply with all State and Local laws, ordinances, regulations and requirements applicable to work hereunder, including building code requirements. If the Contractor ascertains at any time that any requirement of this Contract is at variance with applicable laws, ordinances, regulations or building code requirements, she/he shall promptly notify the City of Rochester in writing.

**CONTRACTOR'S AND SUBCONTRACTOR'S INSURANCE**

1. The Contractor shall deliver with bid documents; certificates of all insurance required hereunder. The certificate shall state that the companies issuing insurance will endeavor to mail to the City of Rochester ten (10) days notice of cancellation, alteration or material change of any listed policies. The Contractor shall keep in force the insurance required herein for the period of the Contract. At the request of the City of Rochester, the Contractor shall promptly make available a copy of any and all listed insurance policies. The requested insurance must be written by a Company licensed to do business in New Hampshire at the time the policy is issued.
2. The City of Rochester, NH shall be listed as additional insured on all the Certificates of Insurance.

3. The Contractor shall require each Subcontractor employed on the Project to maintain the coverage listed below unless the Contractor's insurance covers activities of the Subcontractor on the Project.
4. No operations under this Contract shall commence until certificates of insurance attesting to the below listed requirements have been filed with and approved by the Department of Public Works, and the Contract approved by the City Manager.
  - a. Workmen's Compensation Insurance  
Limit of Liability - \$100,000.00 per accident
  - b. Commercial General Liability  
Limits of Liability  
Bodily Injury: \$1,000,000.00 per occurrence, \$1,000,000.00 aggregate  
Property Damage: \$500,000.00 per occurrence, \$200,000.00 aggregate  
Combined Single Limit, Bodily Injury and Property Damage:  
\$2,000,000.00 aggregate
  - c. Automobile Liability  
Limits of Liability - \$500,000.00 per accident.
  - d. The Contractor shall indemnify, defend, and save harmless the City of Rochester and its agents and employees from and against any suit, action or claim of loss or expenses because of bodily injury. Including death at any time resulting there from, sustained by any person or persons or on account of damage to property, including loss of use thereof, whether caused by or contributed to by said City of Rochester, its agents, employees or others.

## ACCIDENT PROTECTIONS

It is a condition of this Contract, and shall be made a condition of each subcontract entered into pursuant to the Contract. That a Contractor and any Subcontractors shall not require any laborer or mechanic employed in the performance of the Contract to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to health or safety, as determined by construction safety and health standards of the Occupational Safety and Health Administration, United States Department of Labor, which standards include, by reference, the established Federal Safety and Health regulations for Construction. These standards and regulations comprise Part 1910 and Part 1926 respectively of Title 29 of the Code of Federal Regulations and are set forth in the Federal Register. In the event any revisions in the Code of Federal Regulations are published, such revisions will be deemed to supersede the appropriate Part 1910 and Part 1926, and be effective as of the date set forth in the revised regulation.

## SUBCONTRACTS

1. Nothing contained in the Specifications or Drawings shall be construed as creating any contractual relationship between any Subcontractor and the City of Rochester. The Division or Sections of the Specifications are not intended to control the Contractor in dividing the work among Subcontractors or to limit the work performed by any trade.

2. The Contractor shall be as fully responsible to the City of Rochester for the acts and omissions of Subcontractors and of persons employed by her/him, as she/he is responsible for the acts and omissions of persons directly employed by her/him.

### **PROTECTION OF WORK AND PROPERTY**

The Contractor shall, at all times, safely guard the City's property from injury or loss in connection with this Contract. She/he shall, at all times, safely guard and protect her/his own work and that of adjacent property from damage. All passageways, guard fences, lights and other facilities required for protection by State or Municipal laws, regulations and local conditions must be provided and maintained.

### **USE OF PREMISES AND REMOVAL OF DEBRIS**

The Contractor expressly undertakes at his own expense:

1. To take every precaution against injuries to persons or damage to property;
2. To comply with the regulations governing the operations of premises which are occupied and to perform his Contract in such a manner as not to interrupt or interfere with the operation of the Institution;
3. To perform any work necessary to be performed after working hours or on Sunday or legal holidays without additional expense to the City, but only when requested to do so by the City;
4. To store his apparatus, materials, supplies and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of his work or the work of any other Contractors;
5. Daily to clean up and legally dispose of (away from the site), all refuse, rubbish, scrap materials and debris caused by his operation. Including milk cartons, paper cups and food wrappings left by his employees, to the end that at all times the site of the work shall present a neat, orderly and workmanlike appearance;
6. All work shall be executed in a workmanlike manner by experienced mechanics in accordance with the most modern mechanical practice and shall represent a neat appearance when completed.

### **MATERIALS AND WORKMANSHIP**

1. Unless otherwise specified, all materials and equipment incorporated into the work under the Contract shall be new. All workmanship shall be first class and by persons qualified in their respective trades.
2. Where the use of optional materials or construction method is approved, the requirements for workmanship, fabrication and installation indicated for the prime material or construction method shall apply wherever applicable. Required and necessary modifications and adjustments resulting from the substitution or use of an optional material or construction method shall be made at no additional cost to the City.

### **STANDARDS**

1. Materials specified by reference to the number, symbol or title of a specific standard, such as a Commercial Standard, a Federal Specification, Department's Standard Specifications, a trade

association standard or other similar standard. Shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of advertisement, except as limited to type, class or grade or modified in such reference.

2. Reference in the Specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition. In such cases the Contractor may, at his option, use any articles, device, product, material fixture, form or type of construction that, in the judgment of the City expressed in writing to all Bidders before opening of bids as an addendum, is an acceptable substitute to the specified.
3. Substitution During Bid Time: Whenever any particular brand or make of material or apparatus is called for in the Specifications, a Bidder's Proposal must be based upon such material or apparatus, or upon a brand or make which has been specifically approved as a substitution in an Addendum issued to all Bidders during the bidding time.
4. The intent is that the brand or make of material or apparatus that is called for herein establishes a standard of excellence that, in the opinion of the Consultant and Engineer, is necessary for this particular Project.
5. Substitution After Bid Opening: No substitutions will be considered after bids have been opened unless necessary due to strikes, lockouts, bankruptcy or discontinuance of manufacture, etceteras. In such cases, the Contractor shall apply to the City, in writing within ten (10) days of his realizing his inability to furnish the article specified, describing completely the substitution he desires to make.

## **EXTRAS**

Except as otherwise herein provided, no charge for any extra work or material will be allowed unless the Director of Public Works has ordered the same, in writing.

## **GUARANTEE OF WORK**

1. Except as otherwise specified, all work shall be guaranteed by the Contractor against defects resulting from the use of inferior materials, equipment or workmanship for one (1) year from the Date of Final Acceptance.
2. Make good any work or material, or the equipment and contents of said building or site disturbed in fulfilling any such guarantee.
3. In any case, wherein fulfilling the requirements of the Contract or of any guarantee, should the Contractor disturb any work guaranteed under another contract, the Contractor shall restore such disturbed work to a condition satisfactory to the Director of Public Works. And guarantee such restored work to the same extent as it was guaranteed under such other contracts.
4. If the Contractor, after notice, fails to proceed promptly to comply with the terms of the guarantee, the City of Rochester may have the defects corrected and the Contractor shall be liable for all expense incurred.
5. All special guarantees applicable to definite parts of the work that may be stipulated in the Specifications or other papers forming a part of the Contract shall be subject to the terms of

this paragraph during the first year of the life of such special guarantee.

## **DEFAULT AND TERMINATION OF CONTRACT**

### **If the Contractor:**

1. Fails to begin work under Contract within the time specified in the notice to proceed; or
2. Fails to perform the work with sufficient workers and equipment, or with sufficient materials to assume prompt completion of said work; or
3. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable; or
4. Discontinues the prosecution of the work; or
5. Fails to resume work, which has been discontinued, within the time frames included in specifications; or
6. Becomes insolvent or has declared bankruptcy, or commits any act of bankruptcy or insolvency; or
7. Makes an assignment for the benefit of creditors; or
8. For any other causes whatsoever, fails to carry on the work in an acceptable manner the City of Rochester will give notice, in writing, to the Contractor for such delay, neglect, and default.

If the Contractor does not proceed in accordance with the Notice, then the City of Rochester will have full power and authority without violating the Contract to take the prosecution of the work out of the hands of the Contractor. The City of Rochester may enter into an agreement for the completion of said Contract according to the terms and conditions thereof, or use such other methods as in the City's opinion will be required for the completion of said Contract in an acceptable manner.

All extra costs and charges incurred by the City of Rochester as a result of such delay, neglect or default, together with the cost of completing the work under the Contract will be deducted from any monies due or which may become due to said Contractor. If such expenses exceed the sum which would have been payable under the contract, then the Contractor shall be liable and shall pay to the City of Rochester the amount of such excess.

## **OBTAINING BID RESULTS**

Bid results will be available on the website at [www.rochesternh.net](http://www.rochesternh.net) within 48 hours of the bid opening.

## **SECTION 2**

### **LIMITED INDOOR AIR QUALITY SURVEY- ROCHESTER CITY HALL ANNEX**

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## The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants

November 1, 2012

City of Rochester, c/o French Engineering, LLC  
City Hall Annex  
Mr. Thomas A. French  
89 Tanglewood Drive  
Henniker, New Hampshire 03242

Re: Limited Indoor Air Quality Survey - Rochester City Hall Annex  
SLGL File Number 12-1659

Dear Mr. French:

On October 18, 2012, *The Scott Lawson Group, Ltd. (SLGL)* conducted a limited Indoor Air Quality (IAQ) Survey that focused on the vacant Rochester City Hall Annex located on Wakefield Street in Rochester, New Hampshire. *SLGL* conducted the IAQ Survey to evaluate the current indoor environment. The Rochester City Hall Annex formally housed the Rochester Police Department and has been vacant for many years. The City Hall Annex is connected to the Rochester City Hall and is scheduled to be renovated over multiple phases.

To help evaluate indoor air quality, air samples were collected for total and viable airborne fungal spores to document the presence or absence of fungal spores. On the day of the IAQ Survey, there were visible signs of microbial growth in the areas inspected.

The IAQ Survey reveals significant concerns regarding indoor air quality, in particular microbial growth within the facility, and past condensation/water infiltration events. The IAQ Survey results indicate a potential concern for the health of building occupants, and further action is recommended prior to renovation/occupation of the building.

The analytical results can be found in Appendix A and please see page 3 for recommendations.



### ***Air Samples - Total Spore Counts with Predominant Genus Identification:***

First, please note that Fungi are typically introduced into a building from the outdoor environment, through a number of sources, including windows, doors, building occupants, and air handling systems. As Fungi are part of our normal environment, they often are present in buildings from the date of construction. Other events such as leaking roof, or condensation, inclement weather, pipe leaks or flooding can introduce Fungi into the indoor environment. Fungus spores are found in ambient air most times of the year, from spring through fall, with numbers declining in the winter months. Fluctuations can occur, though along the coastline or swampy areas in different regions of the United States, and can depend in a large part on the type of weather at the time of sample collection. The term "Genus" refers to the particular "family" of Fungi, and there are individual species within each Genus. All Fungi are considered to be potentially allergenic.

SLGL collected five (5) Spore Trap samples for the evaluation of total airborne fungal spore concentrations (viable and non-viable, i.e., spores that have the ability to grow and those that do not). Each sample was collected by drawing air through an Air-O-Cell® sampling cassette at a flow rate of approximately fifteen liters per minute (15 lpm) for two to five (2 - 5) minutes. Upon the completion of each sample, each cassette was sealed, issued a unique identification number, and its location documented. A summary of the analytical results (see Appendix A) are as follows:

- The outdoor air sample measured ambient fungal spore concentrations at greater than 17,067 spores per cubic meter of air ( $> 17,067 \text{ Ct/m}^3$ ), with the predominant genus of fungus outdoors identified as Basidiospores. These are common "mold" spores, associated with mushrooms and "puffballs".
- The indoor spore concentrations ranged from 12,587  $\text{Ct/m}^3$  (1st floor cell area) to  $> 57,867 \text{ Ct/m}^3$  in the basement floor. The predominant genus of fungus indoors were identified as *Aspergillus/Penicillium*-like and *Acremonium*-like. These two (2) molds are typically associated with prolonged wetting of building materials and can often be found with *Stachybotrys* Fungi, which was identified in the sample collected in the first floor lobby.
- All but one (1) of the indoor air samples had a total spore count higher than the outdoor concentration, which is not the preferred result. Also, Basidiospores were the predominant genus of Fungi present in the outdoor air sample, with the predominant genus of Fungi in that indoor samples being *Aspergillus/Penicillium*-like and *Acremonium*-like. When one or more genus becomes predominant indoors versus predominant outdoors, it is indicative of amplification or on-going mold growth.

**TABLE I - Spore Count Comparison**

<b>Sample Location</b>	<b>Total fungal Spore Count (Count/m<sup>3</sup>)</b>	<b>Predominant Genus(s)</b>
2nd Floor Main Corridor, by Lobby	> 20,853	<i>Aspergillus/Penicillium</i> -like (> 13,333) Basidiospores (3,733)
1st Floor, Lobby	> 27,947	<i>Aspergillus/Penicillium</i> -like (> 13,333) <i>Acremonium</i> -like (> 13,333)
1st Floor, Rear Cell Room	12,587	Basidiospores (5,760) <i>Aspergillus/Penicillium</i> -like (4,970)
Basement, Center Room	> 57,867	<i>Aspergillus/Penicillium</i> -like (> 33,333) <i>Cladosporium</i> (11,467) <i>Acremonium</i> -like (8,267)
Exterior - Rear Entrance	> 17,067	Basidiospores (> 13,333) <i>Cladosporium</i> (2,773)

The IAQ Survey confirms the presence of active fungal growth on building components. Airborne fungal spore counts exceed outdoor air levels, which is not the preferred result. The IAQ Survey results indicate a recognizable concern for the health of building occupants, and further action is recommended to minimize the potential for indoor air quality concerns and further damage to building materials. After corrective actions are complete, follow-up testing is recommended to ensure the effectiveness of those changes.

1. Limit access to City Hall Annex.
2. Seal door openings/penetrations to City Hall which is occupied.
3. Conduct cleaning and treatment of surfaces with visible fungal growth, dispose of all water-damaged building materials, and repair water penetration points. (Precautions must be taken to prevent spread of fungal spores through engineering controls).
4. Upon completion of cleanup and decontamination actions, re-assess surfaces and ambient air for fungal spores.

Thank you for utilizing the services of *The Scott Lawson Group, Ltd.* We enjoyed working with you and welcome the opportunity to work with you on future projects. We trust that you will find everything in order; however, should you have any questions or comments, please feel free to contact me at your earliest convenience.

Sincerely,

*The Scott Lawson Group, Ltd.*

A handwritten signature in black ink that reads "Stephen McPherson". The signature is fluid and cursive, with a small "dm" or similar mark at the end.

Stephen McPherson  
Senior Safety & Health Professional  
Member Indoor Air Quality Association (#17501)  
Associated Member ACGIH (305730-00)

Enclosures

#### **WARRANTY**

The conclusions and recommendations contained in this report are based on information available to *SLGL* as of October 18, 2012. *SLGL* provides no warranties on information provided by third parties and contained herein. Data compiled were in accordance with *SLGL's* approved scope of services and should not be construed beyond their limitations. Any interpretations or use of this report other than those expressed herein are not warranted. The use, partial use, or duplication of this report without the expressed written consent of *The Scott Lawson Group, Ltd.*, is strictly prohibited.

APPENDIX A

STATE OF TEXAS

Department of Transportation

**SAC, Job #: 13-1459**  
**Client Project: Survey of Old Police Dept.**  
**Report Date: October 21, 2012**  
**Data Sampled: October 17, 2012**  
**Date Received: October 18, 2012**  
**Collected by: SRM**  
**Analyzed by: MEF, 001040034**



## Analytical Results

Lab Number(s)	301635	301636	301637
Sample Identification:	101712-1639-A01, 2nd floor, main corridor by lobby	101712-1639-A02, 1st floor, lobby	101712-1639-A03, 1st floor, rear call room
Analysis:	Fungal Enumeration & Identification - Direct Enumeration	Fungal Enumeration & Identification - Direct Enumeration	Fungal Enumeration & Identification - Direct Enumeration
Methodology:	SLCL-3067	SLCL-3067	SLCL-3067
Sample Media:	As-O-Cell	As-O-Cell	As-O-Cell
Debris Rating:	3	2	3
Air Volume (L)	75.0	75.0	75.0
Minuten	3	5	5
Date Analyzed:	October 23, 2012	October 21, 2012	October 21, 2012

Mold/Fungal Type	Raw Count	Count/a <sup>1</sup>	Raw Count	Count/a <sup>2</sup>	Raw Count	Count/a <sup>3</sup>
Ascomycota						
Aspergillus	5	267	1	53	3	168
**Aspergillus/Penicillium-Sls	> 250	> 12,333	> 250	> 12,333	92	4,907
Budding yeasts	10	1,733	9	480	101	5,760
Bipolaris/Drechslera-Sls						
Botrytis						
Chaetomium	1	53				
Chlosporium	7	373	9	480	12	640
Cervicaria						
Echinoconia						
Fusiclone						
Myrmecomyces/Pezizomycetes	6	320				
Mucorales						
Oidium/Erysiphid/Peridermyces						
Peziza						
Phoma						
Phoma						
Rhizoglyphus						
Sporangium						
Stachybotrys			1	53		
Strapheobasium						
Tarbia						
Uromyces						
Uromyces/Asteroidium	30	1,607	2	107		
Xylaria	2	107	2	107	1	53
Zygomycota-Sls	30	1,600	> 250	> 12,333	20	1,067
Total fungal species and fragments	> 391	> 20,833	> 324	> 37,947	236	12,587
Limits of Detection:	1	53	1	53	1	53
Comments:						

**TNTC** The magazine to count

© LawTone

### ▶ **Common Time**

**Comment: One per meter used**

**BUAD 310: Pan-American Accounting Conference Board**

**Domestic Links:** The domestic link is equal to one flight upon or beyond foreign.

\* *Aspergillus* and *Penicillium* species (and others such as *Fusarium*) are small and round with few distinguishing characteristics. They cannot be distinguished by this method.

<sup>a</sup>: No analytical field blank submitted with associated sample(s).

**Background Data:** Background data is an indicator of the amount of one-minute delay present on the office and is used on a scale of 1 to 5:

**Order Limit of £4000, exclude postage. Orders not allowed.**

Grade Load of 2: 11-22% Grade power. Cruise on second.

**Debit Limit of \$1.25-37% Subscriptions. Checks may be authorized.**

**Printed Label of 1: 34-0004 (4th ed.) revised. Change not implemented.**

**Study Limit of 2: >10% study power. Group would not be identified, sample overestimated.**

Reviewed by: Walter H. Fox

**Approved By:**

**Norman Fletcher, Lab Manager**

21 Wakefield Street  
Rochester, NH 0367

SLC11A1b: 13-1699

**Client Project:** Survey of Old Fashion Dept.

Report Date: October 25, 2013

Date Sealed: October 17, 2013

Data Received: October 11, 2012

Collected by: **SMU**

Analyzed by: NEF, 2010-08-04



## Analytical Results

Lab Number:	201438	201438	201438
Sample Identification:	101712-1439-A04, basement corner	101712-1439-A03, ext. rear parking lot	101712-1439-A04, block
Analysis:	Fungal Enumeration & Identification - Direct Examination	Fungal Enumeration & Identification - Direct Examination	Fungal Enumeration & Identification - Direct Examination
Methodology:	SLCL-3067	SLCL-3067	SLCL-3067
Sample Matrix:	Air-O-Cell	Air-O-Cell	Air-O-Cell
Debris Rating:	3	3	1
Air Volume (L):	70.0	75.0	8.0
Attenuation:	2	3	6
Test Analysis:	October 23, 2012	October 23, 2012	October 23, 2012

[illegible]**NOTE: The following is a summary.**

### Conclusion

## 27. Answer: D

**Copyright Clearance Center**

**SPACE: For American Applicants: Candidates Must**

**Domestic Lead:** The domestic lead is equal to our foreign spend or hybrid program.

\*\*\* *Aspergillus* and *Penicillium* species (and others such as *Strobelomyces*) are small and round with few distinguishing characteristics. They cannot be distinguished by this method.

\* The indicated field block contains no associated records.

**Background Data:** Background data is an indication of the amount of non-scheduled debts present on the state and is stated on a scale of 1 to 5:

**Each Lot of 12 500A Shells Weighs Only 100 Grams**

**Expiry Date of 2: 11-27-2014 (4 days from now). Claims are allowed.**

**Rated Load #2: 21-374 Adult power. Energy may be enhanced.**

**Statistical Level of 4: 75-99% Adequate control. Disease not contained.**

Policy Level of 1: 100% debt payment. Cases must be fully paid.

Reviewed by:

ΕΚΔΕΥΗ ΕΠΙΛ

**Approved By**

Ann E De

### Newton Fletcher, Lab Manager

**The Scott Lawson Group, Ltd.**  
Environmental, Health & Safety Consultants

20 Chenell Drive  
Concord, New Hampshire 03301  
Ph: (603) 228-3610, Fax: (603) 228-3671  
www.algl.com email: Lab@algl.com

Sending Co: Northstar  
City of Peabody  
Address: Peabody

Client Project: Survey of  
Old Police Dept

Turnaround Time (select one)	Attestation				Phone	Fax	Sampled By: <u>SMC</u>
	<input type="checkbox"/> 12 hours* <input type="checkbox"/> 15 days	<input type="checkbox"/> 16-24 hours* <u>18 days</u>	<input type="checkbox"/> 24 hours* <input type="checkbox"/> 1 Weekend	<input type="checkbox"/> 48 hours* <input type="checkbox"/> 1 Other _____			
Sample Matrix Type (select one)	<input checked="" type="checkbox"/> Air <input type="checkbox"/> Aerosols <input type="checkbox"/> Agar (Monthly) <input type="checkbox"/> Agar (Other)		<input type="checkbox"/> Bulk <input type="checkbox"/> Oil <input type="checkbox"/> Paint <input type="checkbox"/> Sludge		<input type="checkbox"/> Waxes, dripping or waste <input type="checkbox"/> Wipe <input type="checkbox"/> Wipe composite <input type="checkbox"/> Other		Comments:

Sample Identification	Date Sampled	Analysis	Date Sampled	Time	Media/Container	Preservative	4°C	Swab/Wipe Area Unit:	Air Volume (L)	Minutes
101712-1059 - A01	10/17	Btnd fungal Ct	10/17	T	Aceo Dul	---	---	---	75	5
A02						---	---	---	75	5
A03						---	---	---	75	5
A04						---	---	---	36	2
A05						---	---	---	75	5
A06						---	---	---	0	0

Received By:	Sample Shipped Via:	<input type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> DHL	<input type="checkbox"/> US Mail	<input type="checkbox"/> Drop Box	<input type="checkbox"/> Drop Off	<input type="checkbox"/> Other
<u>Shirley</u>	10-18-12 0900							
Received By:	Date/Time	Received By: <u>Helen H Enzin</u> Date/Time: <u>10/18/12 1130</u>						

*A Note to Customer: by signing and returning this form you consent to the laboratory's terms and conditions.*

*A Note to Customer: by signing and returning your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.*

## **SECTION 3**

# **RESULTS OF AN ASBESTOS, LEAD PAINT AND POLYCHLORINATED BIPHENYLS INDENTIFICATION SURVEY**



**The Scott Lawson Group, Ltd.**

Environmental, Health & Safety Consultants

**RESULTS OF AN ASBESTOS, LEAD PAINT  
and  
POLYCHLORINATED BIPHENYLS IDENTIFICATION SURVEY**

**Prepared for:**

**City of Rochester  
c/o French Engineering, LLC  
Clerk of The Works  
89 Tanglewood Drive  
Henniker, New Hampshire 03242**

**Performed at:**

**City of Rochester  
City Hall Annex (Former Police Station)  
Wakefield Street  
Rochester, New Hampshire**

**Prepared by:**

**Stephen McPherson  
Senior Safety & Health Professional**

**SLGL File Number 12-1659**

---

## EXECUTIVE SUMMARY

---

On several dates in October 2012, a limited Asbestos, Lead Paint and Polychlorinated Biphenyls (PCBs) Survey was conducted by *The Scott Lawson Group, Ltd. (SLGL)* at the former City of Rochester Police Department, currently referred to as the City Hall Annex, located on Wakefield Street in Rochester, New Hampshire. *SLGL* was contracted by French Engineering, LLC to conduct the Survey for the purpose of identifying the type, estimated quantity, and locations of accessible Asbestos-Containing Building Materials (ACBM), to screen building components for the presence of Lead-Based Paint (LBP), and check the PCB content of select building components. The testing was performed for the purpose of identifying hazardous building materials prior to a scheduled renovation project at the City Hall Annex. The analytical results are located in Appendix A, B and C. A description of the Bulk Sampling Methodology used during the Survey is included in Appendix D.

### Summary of Findings

#### *Asbestos:*

Based on the site inspection and analytical results, Asbestos-Containing Materials (ACM) were identified on the interior and exterior of the City Hall Annex. Materials found to contain greater than one percent (> 1%) Asbestos by dry-weight, are considered to be Asbestos-containing. The ACM identified included: flooring materials (floor tiles and associated black mastic), pipe insulation, flooring substrate, window glazing and roof flashing materials. The ACM must be abated prior to being impacted by renovations or before building demolition.

#### *Lead-Based Paint:*

No LBP was identified on the interior and/or exterior building components.

#### *Polychlorinated Biphenyls:*

No PCB were identified in the sampled caulking materials.

---

## DISCUSSION

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### Section I - Asbestos-Containing Materials Survey

During the Survey, thirty-two (32) homogenous groups of suspect ACM were identified on the interior and exterior of the building, and sixty-five (65) samples were collected from the different homogenous groups. Based on the analytical results of the individual bulk samples, as well as separate layers within the samples, Asbestos was detected in materials located on the interior and exterior of the City Hall Annex. This section offers a brief description and estimated quantities of ACM identified. This data is provided for informational purposes only, and is based on the best information available at the time of the on-site Survey.

**TABLE I - ACM, Rochester City Hall Annex**

Material	Asbestos Type and Percent	Location	Approximate Quantity
12" x 12" Floor Tiles & Associated Black Mastic*	Chrysotile 2-5%	1st and 2nd Floors	2,500 ft <sup>2</sup>
Window Glazing	Chrysotile 8%	Attic - Old Half Round Window	One Window
Pink Flooring Substrate	Chrysotile 10%	Between 1st and 2nd Floors	NQ**
Pipe Insulation	Chrysotile 80%	Basement Floor	20 LF
Flashing Cement/Roofing Tar	Chrysotile 10-20%	Exterior - Rear Entrances to Building	40 ft <sup>2</sup>

\* All Floor tiles with black mastic are Asbestos-containing as materials cannot be separated.

\*\* NQ = not quantified as material is inaccessible between subfloors and concrete.

The quantities and location of ACM and the extent of work included in this section are only best estimates, which are limited by the physical constraints, imposed by the condition of the building, etc. Accordingly, minor variations of plus or minus 10% of the estimated quantities of ACM may be expected.

**No Asbestos** was detected as a result of the laboratory analysis of the following suspect building materials.

**TABLE II - Non-ACM, Rochester City Hall Annex**

<b>Suspect Material</b>	<b>General Location</b>
<b>Ceiling Plaster Materials</b>	<b>Throughout Building</b>
<b>Cove Base and Associated Mastics</b>	<b>Throughout Building</b>
<b>Suspended Ceiling Tiles</b>	<b>Throughout Building</b>
<b>Gypsum Board and Joint Compound</b>	<b>Throughout Building</b>
<b>12" x 12" Tan Floor Tiles and Yellow Mastic</b>	<b>1st Floor Lobby</b>
<b>Yellow Floor Tile Mastic</b>	<b>Newer Floor Tiles</b>
<b>12" x 12" Gray Floor Tiles and Yellow Mastic</b>	<b>Basement</b>
<b>Yellow Linoleum</b>	<b>Basement Restrooms</b>
<b>Ceramic Tile Grout</b>	<b>Restrooms</b>
<b>Electrical Wire Insulation</b>	<b>Old Wiring</b>
<b>Paneling Adhesive</b>	<b>Throughout Building</b>
<b>Roofing Felt Paper</b>	<b>Main Roof</b>
<b>Black Roofing Shingles</b>	<b>Rear Entrances</b>
<b>Window Caulking</b>	<b>Hand Crank Windows</b>
<b>Door Caulking</b>	<b>Entrances</b>

## Section II - Lead Paint

During the Survey, *SLGL* collected representative paint chip samples from painted surfaces with the most predominant colors. *SLGL* collected seven (7) paint chip samples from the City Hall Annex and submitted them to an accredited laboratory to be analyzed for Lead content. Please note this Survey was not performed to comply with State of New Hampshire and/or HUD Lead regulations, nor was the Survey mandated by State Agencies in response to elevated Blood Lead Levels (BLL) for residents.

- None of the samples exceeded the U.S. Housing and Urban Development (HUD<sup>1</sup>) guideline for Lead (greater than 0.5 percent (> 0.5%) Lead by dry weight). The analytical results for Lead may be found in Appendix B.

## Section III - Polychlorinated Biphenyls

During the Survey, *SLGL* collected three (3) caulking material samples for PCB analysis from different locations around the City Hall Annex and submitted them to an accredited laboratory to be analyzed for PCB content. None of the samples collected exceeded the Environmental Protection Agency (EPA) guidelines for PCB bulk product material equal to or greater than fifty parts per million (50 ppm).

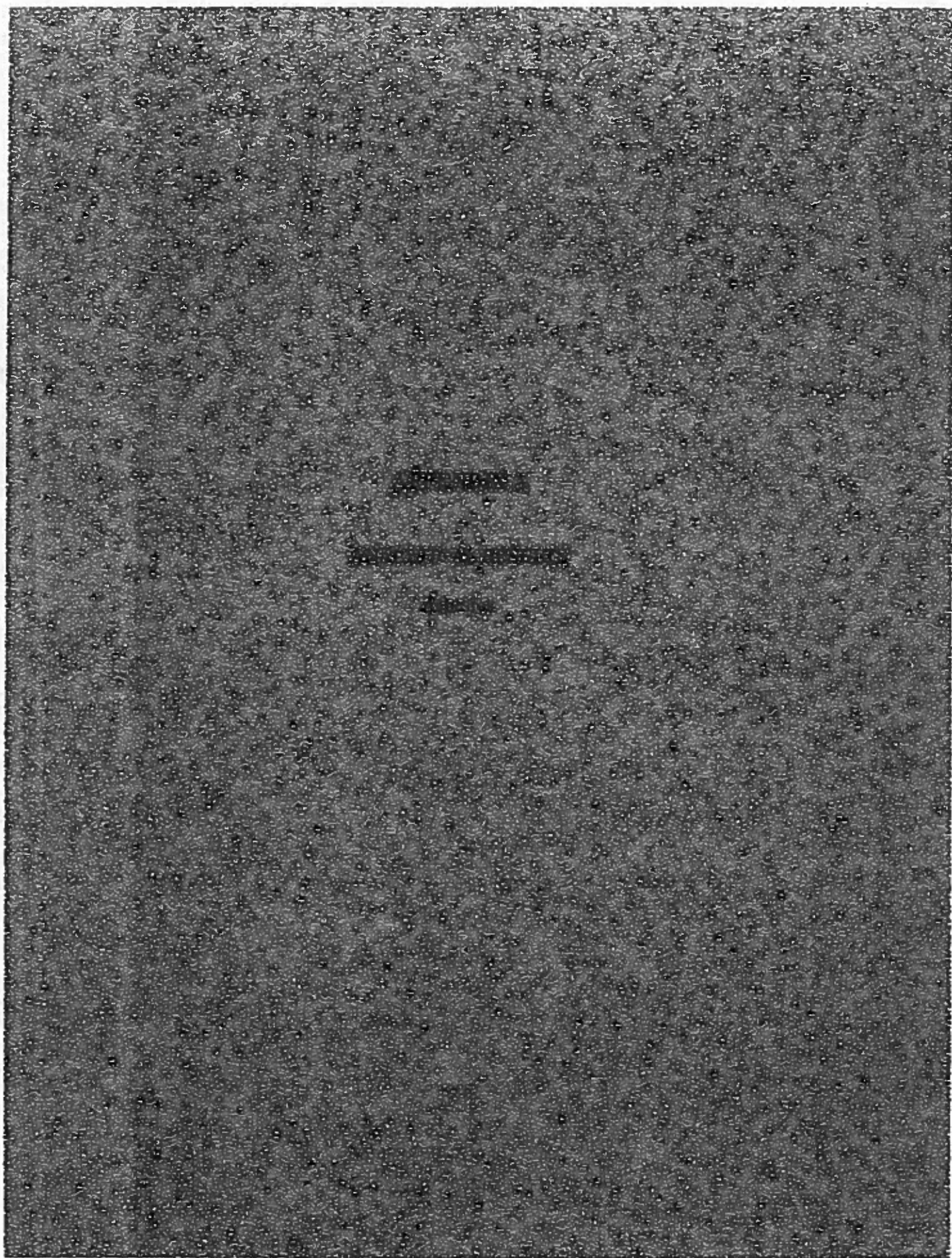
- All three (3) samples of suspect caulking materials had non-detected for PCB content. The analytical results for PCB may be found in Appendix C.

### **WARRANTY**

The conclusions and recommendations contained in this report are based on the information available to *SLGL* as of October 18, 2012. *SLGL* provides no warranties on information provided by third parties and contained herein. Data compiled were in accordance with *SLGL*'s approved scope of services and should not be construed beyond their limitations. Any interpretations or use of this report other than those expressed herein are not warranted. The use, partial use, or duplication of this report without the expressed written consent of *The Scott Lawson Group, Ltd.* is strictly prohibited.

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<sup>1</sup> HUD - U.S. Housing and Urban Development. This guideline is used to determine whether Lead is present in paint at a concentration that may be of concern to building occupants, particularly infants or young children. From an OSHA compliance aspect, it is not necessarily the concentration of Lead present in the sample that is of concern, but the concentration that may be rendered airborne during renovation or demolition activities, exposing workers and building occupants to Lead.





# The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants  
20 Clifford Drive, Concord, NH 03301  
(800) 645-7674 • FAX (603) 228-3871

City of Rochester  
Public Buildings & Grounds Department  
45 Old Dover Road  
Rochester, NH 03867

SLGZ Job #: 12-1659  
Report Date: October 24, 2012  
Date Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600/R-44-82-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SLGZ Lab #	Sample Identification	Homogeneous		Observed Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Non Fibrous Material	Date Analyzed	Analyst
		No	No				Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other				
301661	101712-1659-B01A, Ceiling plaster, 2nd fl, above tin ceiling, stairwell to attic	No	No	No	Yes	Gray	ND	ND	ND	ND	ND	ND	2	98	10/22/2012	NEF	
301662	101712-1659-B01B, Ceiling plaster, 2nd fl, SE room	No	No	No	Yes	Gray	ND	ND	ND	ND	ND	ND	2	98	10/22/2012	NEF	
301663	101712-1659-B02A, Black felt paper, attic, main roof, under slate shingles	No	No	No	Yes	Black	ND	ND	ND	ND	ND	70	ND	30	10/22/2012	NEF	
301664	101712-1659-B02B, Black felt paper, attic, main roof, under slate shingles	No	No	No	Yes	Black	ND	ND	ND	ND	ND	70	ND	30	10/22/2012	NEF	

This Polarized Light Microscopy report relates only to items tested. Client should not use the NVLAP to claim endorsement. PLM by visual area estimation can produce errors of 10%. Results near the 1% level can be more accurately quantified by the point count method or Transmission Electron Microscopy. SLGZ laboratory certifications apply only to samples analyzed in-house. NVLAP Accreditation Number 101228-0.

< Less than.

ND: None Detected

+: Sample analyzed as a composite.

++: Sample analyzed as a composite; could not separate layers.

+++: Sample reported as a composite; layers analyzed separately.

Reviewed By:

Helena H. Enzen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



## The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants  
20 Chiswell Drive, Concord, NH 03301  
(800) 645-7674 • FAX (603) 228-3871

City of Rochester  
Public Buildings & Grounds Department  
45 Old Dover Road  
Rochester, NH 03867

SLGZ Job #: 12-1639  
Report Date: October 24, 2012  
Data Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600-R-94-020 / 600/R-93/116 July 1993

### Analytical Results

Collected by: SRM

SLGZ Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Chrysotile	Amosite	Crocidolite	Asbestos %			Other Fibrous Material %			Material	Date Analyzed	Analyst
									Fibrous	Glass	Calcite	Synthetic	Other	Fibrous			
301665*	101712-1639-B03, Window casing (black), attic, half round window	No	Yes	Yes	Beige Gray Black	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301666	101712-1639-B04A, 12X12 white/gray floor tile, 2nd fl. lobby	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301667	101712-1639-B04B, 12X12 white/gray floor tile, 2nd fl. lobby	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF

This Polarized Light Microscopy report relates only to items tested. Client should not use the NVLAP to claim endorsement. PLM by visual area estimation can produce errors of 10%. Results near the 1% level can be more accurately quantified by the point count method or Transmission Electron Microscopy. SLGZ laboratory certifications apply only to samples analyzed in-house. NVLAP Accreditation Number 101278-0.

< Less than.

ND: None Detected

\*: Sample analyzed as a composite.

\*\*: Sample analyzed as a composite; could not separate layers.

\*\*\*: Sample reported as a composite; layers analyzed separately.

Reviewed By:

Helen H. Enzen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



# The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants

City of Rochester  
Public Buildings & Grounds Department  
45 Old Dover Road  
Rochester, NH 03867

SYGL Job #: 12-1659  
Report Date: October 24, 2012  
Date Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

20 Church Drive, Concord, NH 03301  
(603) 645-7674 • FAX (603) 228-3871

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600/M4-82-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SYGL Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Chrysotile	Amosite	Crocidolite	Asbestos %			Other Fibrous Material %			Date Analyzed	Analyst
									Glass	Fibrous	Non Fibrous	Cellulose	Synthetic	Other		
301658	101712-1659-B064A, Yellow mastic on white/gray floor tile, 2nd fl. lobby	No	No	Yes	Yellow	ND	ND	ND	ND	ND	<1	ND	ND	ND	10/23/2012	NEP
301659	101712-1659-B068B, Yellow mastic on white/gray floor tile, 2nd fl. lobby	No	No	Yes	Yellow	ND	ND	ND	ND	ND	<1	ND	ND	ND	10/23/2012	NEP
301670	101712-1659-B064A, 12X12 white/gray floor tile, 2nd fl., rear corridor	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	10/23/2012	NEP
301671	101712-1659-B068B, 12X12 white/gray floor tile, 2nd fl., rear stairwell landing	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	10/23/2012	NEP

This Polarized Light Microscopy report relates only to items tested. Client should not use the NVLAP to claim endorsement. PLM by visual area estimation can produce errors of 10%. Results near the 1% level can be more accurately quantified by the point count method or Transmission Electron Microscopy. SYGL laboratory certifications apply only to samples analyzed in-house. NVLAP Accreditation Number 101228-0.

< Less than.

ND: None Detected

\*: Sample analyzed as a composite.

\*\*: Sample analyzed as a composite; could not separate layers.

\*\*\*: Sample reported as a composite; layers analyzed separately.

Reviewed By:

Helen M. Enzer

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



# The Scott Lawson Group, Ltd.

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City of Rochester  
Public Buildings & Grounds Department  
45 Old Dover Road  
Rochester, NH 03867

JZGL Job #: 12-1659  
Report Date: October 24, 2012  
Date Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600/44-82-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

JZGL Lab #	Sample Identification	Homogeneous		Obvious		Fibrous	Color	Asbestos %				Other Fibrous Material %				Non Fibrous Material	Date Analyzed	Analyst
		No	Yes	No	Yes			Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other				
301672	101712-1659-807A, Black mastic on white/gray floor tile, 2nd fl, rear corridor	No	No	No	Yes	Black	5	ND	ND	ND	ND	ND	ND	ND	95	10/22/2012	NEF	
301673	101712-1659-807B, Black mastic in white/gray floor tile, 2nd fl, rear stairwell landing	No	No	No	Yes	Black	5	ND	ND	ND	ND	ND	ND	ND	95	10/22/2012	NEF	
301674*	101712-1659-808, Window glazing, white, stained half round window	No	Yes	Yes	Yes	Gray White	8	ND	ND	ND	ND	ND	ND	ND	92	10/22/2012	NEF	
301675*	101712-1659-809A, 2X4 plain white ceiling tile, 2nd fl, main corridor	No	Yes	Yes	Yes	Gray White	ND	ND	ND	ND	60	ND	ND	ND	40	10/22/2012	NEF	

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Reviewed By:

Helmut H. Enzen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



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SLGZ Job #: 12-1659  
Report Date: October 24, 2012  
Date Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600/M4-82-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SLGZ Lab #	Sample Identification	Homogeneous	Obvious	Fibrous	Color	Chrysotile	Amphibole	Crocidolite	Asbestos %			Other Fibrous Material %	Non Fibrous Material	Date Analyzed	Analyst
									Fibrous	Glass	Synthetic	Other	Fibrous		
301676*	101712-1659-8108, 2X4 plain white ceiling tile, 2nd fl, office off corridor	No	Yes	Yes	Gray	ND	ND	ND	ND	ND	ND	ND	ND	40	10/23/2012 NEF
301677*	101712-1659-8104, 2X4 grooved ceiling tile, 2nd fl, large rear office	No	Yes	Yes	Gray	ND	ND	ND	ND	ND	ND	ND	ND	40	10/23/2012 NEF
301678*	101712-1659-8108, 2X4 grooved ceiling tile, 1st floor, corridor	No	Yes	Yes	Gray	ND	ND	ND	ND	ND	ND	ND	ND	40	10/23/2012 NEF

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SLGZ Job #: 12-1659  
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Methodology: EPA-600-R44-82-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SLGZ Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Fibrous Material	Date Analyzed	Analyst
						Chrysotile	Amphibole	Crocidolite	Glass	Calcium	Synthetic	Other	Non			
301679	101712-1659-B11A, Blue core base, 2nd fl. corridor	No	No	No	No	Blue	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301680	101712-1659-B11B, Blue core base, 1st floor corridor	No	No	No	No	Blue	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301681	101712-1659-B12A, Tan adhesive, 2nd fl. corridor	No	No	No	No	Brown	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301682	101712-1659-B12B, Tan adhesive, 1st floor corridor	No	No	No	No	Brown	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301683	101712-1659-B13, Window casing, exterior hand crank window, 2nd fl.	No	No	No	No	Gray	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF

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Methodology: EPA-600/4-82-020 / 600/R-92/116 July 1993

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SLG Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Date Analyzed	Analyst
						Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Other	Synthetic	Cellulose		
301684	101712-1659-B14A, Gypsum board/joint compound, 2nd fl. lobby	No	No	Yes	Gray	ND	ND	ND	<1	ND	ND	ND	>97	10/23/2012	NEF
301685	101712-1659-B14B, Gypsum board/joint compound, 2nd fl. rear office	No	No	Yes	Gray	ND	ND	ND	<1	ND	ND	ND	>97	10/23/2012	NEF
301686	101712-1659-B14C, Gypsum board/joint compound, 1st fl. rear stairwell	No	No	Yes	Gray	ND	ND	ND	<1	ND	ND	ND	>97	10/23/2012	NEF
301687*	101712-1659-B14D, Gypsum board/joint compound, 1st fl. lobby	No	Yes	Yes	Gray Brown	ND	ND	ND	ND	ND	ND	ND	95	10/23/2012	NEF

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Heleen H. Ennen

Approved By:

Norman Fletcher

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SLGZ Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Date Analyzed	Analyst
						Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Other	Synthetic	Material		
301688*	101712-1659-B14E, Gypsum board/joint compound, 1st fl. corridor	No	Yes	Yes	Gray	ND	ND	ND	ND	ND	5	ND	ND	95	10/23/2012 NEF
301689	101712-1659-B14F, Gypsum board/joint compound, 1st fl. stairs room	No	No	Yes	Gray	ND	ND	ND	ND	ND	2	ND	ND	98	10/23/2012 NEF
301690	101712-1659-B15A, Ceramic tile grout, 2nd fl lobby, restrooms	No	No	No	White	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012 NEF
301691	101712-1659-B15B, Ceramic tile grout, 2nd fl lobby, restrooms	No	No	No	White	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012 NEF

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Helena H. Enzer

Approved By:

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SZGZ Job #: 12-1659  
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## Analytical Results

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SZGZ Lab #	Sample Identification	Homogeneous Layers	Obvious Fibrous Layers	Fibrous Color	Asbestos %				Other Fibrous Material %				Material Analyzed	Date Analyzed
					Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Cellulose	Synthetic	Other		
301692*	101712-1659-B16A, Paneling adhesive, 1st floor, large office off lobby	No	Yes	Yes	Yellow Gray	ND	ND	ND	ND	5	ND	ND	95	10/23/2012 NEF
301693*	101712-1659-B16B, Paneling adhesive, 1st floor, large office off lobby	No	Yes	Yes	Yellow Gray	ND	ND	ND	ND	5	ND	ND	95	10/23/2012 NEF
301694	101712-1659-B17A, 12X12 blue floor tile, 1st fl. control room	No	No	No	Blue White	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012 NEF
301695	101712-1659-B17B, 12X12 blue floor tile, 1st fl. control room	No	No	No	Blue White	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012 NEF

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Approved By:

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Methodology: EPA-600/M4-82-020 / 600R-92/116 July 1993

### Analytical Results

Collected by: SRM

SLGL Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Crystalline	Asbestos %				Other Fibrous Material %				Fibrous Material	Date Analyzed	Analysis
							Amorphous	Acicular	Crocidolite	Glass	Calcium Hydroxide	Synthetic	Other	Non-Fibrous			
301696	101712-1659-818A, Black mastic on blue floor tile, 1st fl. control room	No	No	No	Yes	Black	J	ND	ND	ND	ND	ND	ND	97	10/23/2012	NEF	
301697	101712-1659-818B, Black mastic on blue floor tile, 1st fl. control room	No	No	No	Yes	Black	J	ND	ND	ND	ND	ND	ND	97	10/23/2012	NEF	
301698	101712-1659-819A, 12X12 tan floor tile, 1st fl. lobby	No	No	No	No	Tan	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF	
301699	101712-1659-819B, 12X12 tan floor tile, 1st fl. lobby	No	No	No	No	Tan	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF	

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Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600-R/44-E2-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SLGL Lab #	Sample Identification	Obvious			Asbestos %			Other Fibrous Material %			Date Analyzed	Analysis
		Homogeneous	Layers	Fibrous	Color	Chrysotile	Amosite	Crocidolite	Glass	Fibrous		
301700	101712-1659-B20A, Yellow mastic on inn FT, 1st fl. lobby	No	No	No	Yellow	ND	ND	ND	ND	ND	100	10/23/2012 NEF
301701	101712-1659-B20B, Yellow mastic on inn FT, 1st fl. lobby	No	No	No	Yellow	ND	ND	ND	ND	ND	100	10/23/2012 NEF
301702	101712-1659-B21A, 12X12 whitelgny floor tile, 1st fl. main corridor	No	No	No	White Gray	2	ND	ND	ND	ND	98	10/23/2012 NEF
301703	101712-1659-B21B, 12X12 whitelgny floor tile, 1st fl. main corridor	No	No	No	White Gray	2	ND	ND	ND	ND	98	10/23/2012 NEF

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Norman E. Noble

Norman Fletcher, Lab Manager



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Analytic: Asbestos by Polarized Light Microscopy  
Methodology: EPA-600/4-82-020 / 609/R-93/116 July 1993

## Analytical Results

Collected by: SUM

SLGZ Lab #	Sample Identification	Homogeneous Layers	Obvious Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Fibrous Material	Date Analyzed
						Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other	Non-Fibrous		
301704	101712-1659-B22A, Black mastic on white FT, 1st fl, main corridor	No	No	No	Yes Black	3	ND	ND	ND	ND	ND	ND	97	10/23/2012	NEF
301705	101712-1659-B22B, Black mastic on white FT, 1st fl, main corridor	No	No	No	Yes Black	3	ND	ND	ND	ND	ND	ND	97	10/23/2012	NEF
301706*	101712-1659-B23, Elect. wire insulation, 1st fl, ceiling plenum (original wiring)	No	Yes	Yes	Black Grey	ND	ND	ND	ND	40	ND	ND	60	10/23/2012	NEF
301707	101712-1659-B24A, Pink floor substrate, 1st fl, between wood and concrete floors	No	No	Yes	Red White	10	ND	ND	ND	ND	ND	ND	90	10/23/2012	NEF

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Approved By:

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### Analytical Results

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SZGL Lab #	Sample Identification	Homogeneous Layers	Obvious Layers	Fibrous	Color	Absorption %				Other Fibrous Material %				Date Analyzed	Material	NEF
						Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Cellulose	Synthetic	Other			
301708	101712-1659-B24B, Pink floor substrate, 1st fl. between wood and concrete floors	No	No	Yes	Red	10	ND	ND	ND	ND	ND	ND	ND	10/23/2012	90	NEF
301709*	101712-1659-B25, Pipe insulation, barn, large center room	No	Yes	Yes	Gray Black	80	ND	ND	ND	ND	5	ND	ND	10/23/2012	15	NEF
301710*	101712-1659-B26A, Yellow insulation, barn restroom	No	Yes	Yes	Gray Beige	ND	ND	ND	2	ND	30	ND	ND	10/23/2012	68	NEF
301711*	101712-1659-B26B, Yellow insulation, barn restroom	No	Yes	Yes	Gray Beige	ND	ND	ND	2	ND	20	ND	ND	10/23/2012	68	NEF

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SLG Lab #	Sample Identification	Homogeneous Layers	Obscure	Fibrous	Color	Asbestos %			Other Fibrous Material %			Fibrous Material	Date Analyzed
						Chrysotile	Amosite	Crocidolite	Other	Synthetic	Other		
301712-01*	101712-1659-B27A, Tar on Black shingle, rear entrance, roof	No	No	No	Yes Black Grey	20	ND	ND	ND	2	ND	78	10/23/2012 NEF
301712-02*	101712-1659-B27A, Black shingle, rear entrance, roof	No	Yes	Yes	Black	ND	ND	ND	ND	30	ND	80	10/23/2012 NEF
301713*	101712-1659-B27B, Black shingle, rear basement entrance, roof	No	Yes	Yes	Black	ND	ND	ND	ND	20	ND	80	10/23/2012 NEF
301714	101713-1659-B28A, Flashing cement, rear entrance, roof	No	No	Yes	Black Grey	10	ND	ND	ND	ND	ND	90	10/23/2012 NEF

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Approved By:

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						Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Cellulose	Synthetic	Other		
301715	101712-1659-B28B, Flashing cement, rear basement entrance, roof	No	No	No	Yes Black Gray	10	ND	ND	ND	ND	ND	ND	ND	90	10/23/2012 NEF
301716	101712-1659-B29A, Door caulking, front entrance	No	No	No	No Black	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012 NEF
301717	101712-1659-B29B, Door caulking, main entrance	No	No	No	No Black	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012 NEF
301718	101712-1659-B30A, 12X12 gray floor tile, basement	No	No	No	No Gray	ND	ND	ND	ND	ND	100	ND	ND	100	10/23/2012 NEF
301719	101712-1659-B30B, 12X12 gray floor tile, basement	No	No	No	No Gray	ND	ND	ND	ND	ND	100	ND	ND	100	10/23/2012 NEF

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< Less than.

ND: None Detected

•: Sample analyzed as a composite.

••: Sample analyzed as a composite; could not separate layers.

•••: Sample reported as a composite; layers analyzed separately.

Reviewed By:

Heleen M. Enzen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



# The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants  
20 Chiswell Drive, Concord, NH 03301  
(800) 645-7674 • FAX (603) 218-3871

City of Rochester  
Public Buildings & Grounds Department  
45 Old Dover Road  
Rochester, NH 03867

SLGL Job #: 12-1659  
Report Date: October 24, 2012  
Date Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600-A44-82-020 / 600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SLGL Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Asbestos %			Other Fibrous Material %			Date Analyzed	Analysis
						Chrysotile	Amosite	Crocidolite	Glass	Synthetic	Other		
301720	101712-1659-B31A, Ten mastic on gray FT, basement	No	No	Yes	Brown	ND	ND	ND	ND	<1	ND	10/23/2012	NEF
301721	101712-1659-B31B, Ten mastic on gray FT, basement	No	No	Yes	Brown	ND	ND	ND	ND	<1	ND	10/23/2012	NEF
301722*	101712-1659-B32A, 2X2 ceiling tile, 1st fl, control room	No	Yes	Yes	Gray Beige White Brown	ND	ND	ND	30	ND	ND	10/23/2012	NEF

This Polarized Light Microscopy report relates only to items tested. Client should not use the NVLAP to claim endorsement. PLM by visual area estimation can produce errors of 10%. Results near the 1% level can be more accurately quantified by the point count method or Transmission Electron Microscopy. SLGL laboratory certifications apply only to samples analyzed in-house. NVLAP Accreditation Number 101228-0.

< Less than.

ND: None Detected

\*: Sample analyzed as a composite.

\*\*: Sample analyzed as a composite; could not separate layers.

\*\*\*: Sample reported as a composite; layers analyzed separately.

Reviewed By:

Helen M. Green

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



# The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants  
20 Chandler Drive, Concord, NH 03301  
(800) 645-7674 • FAX (603) 228-3871

City of Rochester  
Public Buildings & Grounds Department  
45 Old Dover Road  
Rochester, NH 03867

SLG Job #: 12-1659  
Report Date: October 24, 2012  
Date Sampled: October 17, 2012  
Date Received: October 18, 2012  
Client Project: Survey of Old Police Dept.

Analysis: Asbestos by Polarized Light Microscopy

Methodology: EPA-600/R-93/116 July 1993

## Analytical Results

Collected by: SRM

SLG Lab #	Sample Identification	Homogeneous Layers	Obvious Layers	Fibrous	Color	Chrysotile	Amphibole	Crocidolite	Asbestos %				Fibrous Glass	Other Fibrous Material %				Date Analyzed	Analyst
									ND	ND	ND	ND		Cellulose	Synthetic	Other	Material		
301723*	101712-1659-B32B, 2X2 ceiling tile, 1st fl, control room	No	Yes	Yes	Gray	ND	ND	ND	ND	ND	ND	ND	30	30	ND	ND	40	10/23/2012	NEF
301724	101712-1659-B01C, Ceiling plaster, 1st floor, large office off lobby	No	No	Yes	Gray	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	98	10/23/2012	NEF

This Polarized Light Microscopy report relates only to fibers tested. Client should not use the NVLAP to claim endorsement. PLM by visual area estimation can produce errors of 10%. Results near the 1% level can be more accurately quantified by the polar count method or Transmission Electron Microscopy. SLG laboratory certifications apply only to samples analyzed in-house. NVLAP Accreditation Number 101728-0.

< Less than.

ND: None Detected

\*: Sample analyzed as a composite.

\*\*: Sample analyzed as a composite; could not separate layers.

\*\*\*: Sample reported as a composite; layers analyzed separately.

Reviewed By:

Helmut H. Ennen

Approved By:

Norman Fletcher

Norman Fletcher, Lab Manager



**The Scott Lawson Group, Ltd.**  
Environmental, Health & Safety Consultants

20 Cheneil Drive  
Concord, New Hampshire 03301  
Ph: (603) 228-3610, Fax: (603) 228-3871  
www.slg.com email: Lab@slg.com

**City of Rochester**  
Address: \_\_\_\_\_

Client Project: **Survey of  
Old Police Dept.**

Client PO: \_\_\_\_\_

Transferred To:  
(select one)

☐ 3 hours ☐ 4-8 hours ☐ 24 hours ☐ 48 hours ☐ 72 hours  
☒ 3 days ☐ 10 days ☐ 1 Week ☐ 1 Other: \_\_\_\_\_

Sample Matrix Type  
(select one)

☐ Air ☐ Bulk ☐ Soil ☐ Water, drinking or waste  
☐ Asbestos ☐ Oil ☐ Solid ☐ Wipe  
☐ Air (Monthly) ☐ Pool ☐ Sewer ☐ Wipe composite  
☐ Air (Other) ☐ Sludge ☐ Type LUB ☐ Other: \_\_\_\_\_

10/18/12  
10/18/12  
\* 301C  
out  
of  
seq.

Sample Identification	Analysis	Date Sampled	Time	Media/ Container	Preservative	APC	Swab Wipe Area Label	Air Volume (L)	Notes
B01A	PLM	10/17	-	b2g	---	---	---	N/A	N/A
B02A					---	---	---		
B02B					---	---	---		
B02C					---	---	---		
B04A					---	---	---		
B04B					---	---	---		
B05A					---	---	---		
B05B					---	---	---		
B06A					---	---	---		

Received By: <b>Stephen Taylor</b>	Sample Shipped Via: <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> DHL <input type="checkbox"/> US Mail <input type="checkbox"/> Drop Box <input type="checkbox"/> Drop Off <input type="checkbox"/> Other
Received Date: <b>10/18/12</b>	Drop Date: <b>10/18/12</b>
Received By: <b>Helen H Enzer</b>	Drop Date: <b>10/18/12</b>
Received Date: <b>10/18/12</b>	Drop Date: <b>10/18/12</b>

A Note to Customer: By signing and releasing your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.



**The Scott Lawson Group, Ltd.**  
Environmental Health & Safety Consultants

20 Chenell Drive  
Concord, New Hampshire 03301  
Ph: (603) 228-3610, Fax: (603) 228-3871  
www.slg.com email: Lab@slg.com

Submitting Lab:

City of Rochester

Client Project: Survey of  
Old Bldg Dept.

Client NO:

Turnaround Time  
(select one)

☐ 3 hours ☐ 6-8 hours ☐ 1-24 hours ☐ 48 hours ☐ 72 hours  
☒ 5 days ☐ 10 days ☐ Weekend ☐ Other: \_\_\_\_\_

Sample Matrix Type  
(select one)

☐ Air ☒ Bulk ☐ Soil ☐ Sediment  
☐ Aqueous ☐ Oil ☐ Solid  
☐ Agar (biodiversity) ☐ Feces ☐ Swab  
☐ Agar (plate) ☐ Bridge ☐ Tape L&H

Amount:

Form:

Sampled By: gmc

Comments:

Sample Identification

Analyte

Date Sampled

Time

Method/Collector

Preservative

4°C

Swab/Wipe Area  
Unit:

Air Volume  
(L)

Minutes

1017121659 - 6048

PLM

10/17

628

N/A

N/A

N/A

B07A

B07B

B08

B09A

B09B

B10A

B10B

B11A

B11B

Requested By:

Stephen Kuyper

Date/Time:

10/18/12 0900

Requested By:

Heather Eizen

Date/Time:

10/18/12 1130

Drop Off

Drop Box

Order

A Note to Customer: By signing and re-submitting your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

Page 2 of 2



**The Scott Lawson Group, Ltd.**  
Environmental, Health & Safety Consultants

20 Cheneil Drive  
Ossonge, New Hampshire 03301  
Ph: (603) 228-3610, Fax: (603) 228-3871  
www.slg.com email: Lab@slg.com

Form SLG-100-01

**City of Rochester**

Client Project: **Survey of  
Old Bldg Dept.**

Client PO:

Thermal Time  
(select one)

☐ 3 hours ☐ 6-8 hours ☐ 24 hours ☐ 48 hours ☐ 72 hours  
☒ 15 days ☐ 30 days ☐ Weekend ☐ Other: \_\_\_\_\_

Sample Matrix Type  
(select one)

☐ Air ☐ Bulk ☐ Soil  
☐ Aerosols ☐ Oil ☐ Solid  
☐ Agar (bioassay) ☐ Pests ☐ Swab  
☐ Agar (plate) ☐ Sludge ☐ Tape L&L  
☐ Wipes, deinking or waste  
☐ Wipes  
☐ Wipes composite  
☐ Other: \_\_\_\_\_

Amount:

Flux: \_\_\_\_\_

Sampled By:

**SGM**

Comments:

Sample Identification

Analysis

Date Sampled

Time

Method/ Container

Preservatives

Temp

Swab/Wipe Area  
Location

Alt. Volume  
(L)

Misses

**PLM**

**10/17**

**B28**

**N/A**

**N/A**

**N/A**

**N/A**

**B12A**

**B2B**

**B13**

**B14A**

**B14B**

**B14C**

**B14D**

**B14E**

**B14F**

**B15A**

Received By:

**Steph...**

Date/Time:

**10/18/12 0900**

Received By:

**Helen H. ...**

Date/Time:

**10/19/12 1130**

Received By:

**Helen H. ...**

Date/Time:

**10/19/12 1130**

A Note to Customer: By signing and retyping your sample to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

Page: **3** of **3**



**The Scott Lawson Group, Ltd.**  
Environmental Health & Safety Consultants

20 Cheneil Drive  
Concord, New Hampshire 03301  
Ph: (603) 228-3610, Fax: (603) 228-3871  
www.slg.com email: Lab@slg.com

Continuing Lab.

City of Rochester  
Attn: \_\_\_\_\_

Client Project: Survey of  
old Bldg Dept.

Client PO: \_\_\_\_\_

Temperature Time  
(indicate one)

☐ 3 hours ☐ 16-18 hours ☐ 24 hours ☐ 48 hours ☐ 72 hours

☒ 15 days ☐ 30 days ☐ 60 days ☐ Other \_\_\_\_\_

Sample Matrix Type  
(indicate one)

☐ Air ☒ Bulk ☐ Soil ☐ Solid  
☐ Aerosol ☐ OR ☐ Solid  
☐ Agar (biochip) ☐ Point ☐ Swab  
☐ Agar (plate) ☐ Sludge ☐ Tape L/A

Sample Identification

Analysis

Date Sampled

Time

Media/  
Container

Preservative

APC

Swab/Wipe Area  
Units: \_\_\_\_\_

Air Volume  
(L)

Notes

1017131654 - B15B

PLM

10/17

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bag

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N/A

N/A

B16A

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B16B

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B17A

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B17B

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B18A

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B18B

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B19A

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B19B

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B20A

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Reviewed By:

Steph H. Hines

Date/Time

10/18/12 0900

Samples Shipped Via: ☐ FedEx ☐ UPS ☐ DHL ☐ US Mail ☐ Drop Box ☐ Drop Off ☐ Other

Received By:

Steph H. Hines

Date/Time

10/18/12 1136

Date/Time

A Note to Customers: By signing and returning this form to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

Page: 4 of 10



**The Scott Lawson Group, Ltd.**  
Environmental Health & Safety Consultants

20 Chappell Drive  
Concord, New Hampshire 03301  
Ph: (603) 224-3610, Fax: (603) 224-3871  
www.slg.com email: Lab@slg.com

Customer Name

City of Rochester

Client Project: Survey of  
old Bldg Dept.

Client PO:

Turnaround Time  
(select one)

☐ 10 hours\* ☐ 24 hours\* ☐ 48 hours\* ☐ 72 hours\*  
☒ 15 days ☐ 10 days ☐ Weekend ☐ Other: \_\_\_\_\_

Sample Matrix Type  
(select one)

☐ Air ☒ Soil ☐ Solid  
☐ Aqueous ☐ Oil ☐ Solid  
☐ Agar (bacteria) ☐ Fungi ☐ Swab  
☐ Agar (fungi) ☐ Sludge ☐ Tape L&S

Matrix

☐ Water, drinking or waste  
☐ Wipe  
☐ Wipe composite  
☐ Other: \_\_\_\_\_

Sampled By:

SLG

Comments:

Sample Identification

Analysis

Date Sampled

Preservative

Sample Volume (L)

Minutes

101712459 - B20B

B21A

B21B

B22A

B22B

B23

B24A

B24B

B25

B26A

PCM

b2g

N/A

N/A

Requested By:

Stephen Knight

Date/Time:

10/18/12 0900

Requested By:

Heather Ezzin

Date/Time:

10/18/12 1130

All Note to Customer: By signing and relaying your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

Page: 5 of 6



**The Scott Lawton Group, Ltd.**  
Environmental Health & Safety Consultants

20 Chappel Drive  
Concord, New Hampshire 03301  
Ph: (603) 228-3610, Fax: (603) 228-3871  
www.slg.com email: Lab@slg.com

Submitting Co:

City of Rochester

Client Project: Survey of  
Old Bldg Dept.

Client PO:

Turnaround Time  
(select one)

☐ 10 hours\* ☐ 16-24 hours\* ☐ 24 hours\* ☐ 48 hours\* ☐ 72 hours\*

☐ 15 days ☒ 10 days ☐ 1 week ☐ Other

Sample Matrix Type  
(select one)

☐ Air ☐ Bulk ☐ Soil ☐ Solid  
☐ Aerosols ☐ Oil ☐ Solid  
☐ Agar (Microb) ☐ Fluid ☐ Swab  
☐ Agar (chem) ☐ Sludge ☐ Tape L&E

Pres:

Spec:

Attended:

Sampled By:

SGMC

Comments:

Sample Identification

Analysis

Date Sampled

Time

Method

Preservative

4°C

Swab/Wipe Area

Under

Air Volume (L)

Minutes

101712+659 - B26B

PLM

10/17

-

B2G

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B27A

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B27B

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B28A

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B28B

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B29A

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B29B

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B30B

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B31A

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Received By:

Stephen Knight

Date/Time:

10/18/12 0900

Received By:

Steven K. Enzlin

Date/Time:

10/18/12 1130

A Note to Customers: by signing and returning your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.

Page 2 of 2



The Scott Lawson Group, Ltd.  
Environmental Health & Safety Consultants

20 Cheneil Drive  
Concord, New Hampshire 03301  
P: (603) 228-3610, Fax: (603) 228-3871  
www.slg.com email: Lab@slg.com

Submitting Co.:

City of Rochester

Client Project: Survey of old  
Police Dept

Client Ref:

Turnaround Time  
(select one)

☐ 3 hours\* ☐ 6-8 hours\* ☐ 12-24 hours\* ☐ 48 hours\* ☐ 72 hours\*  
☐ 5 days ☒ 10 days ☐ 15 days ☐ 30 days ☐ 60 days ☐ 90 days ☐ Other: \_\_\_\_\_

Sample Matrix Type  
(select one)

☐ Air ☒ Bulk ☐ Soil  
☐ Aqueous ☐ OR ☐ Solid  
☐ Agar (bacteriology) ☐ Feces ☐ Swab  
☐ Agar (glucose) ☐ Sludge ☐ Tape LIR

☐ Water, drinking or waste  
☐ Wipes  
☐ Wipes (composites)  
☐ Other

Quantity:

Sampled By: gmc

Comments:

Sample Identification

Analysis

Date Sampled

Media/Container

Preservatives

4°C

Swab/Wipe Area

Air Volume (L)

Minutes

101712-1654-831B

DLN

1917

bag

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N/A

N/A

532A

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101712-1654-801C

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Received By: [Signature]

Date/Time: 10/18/12 0900

Date/Time:

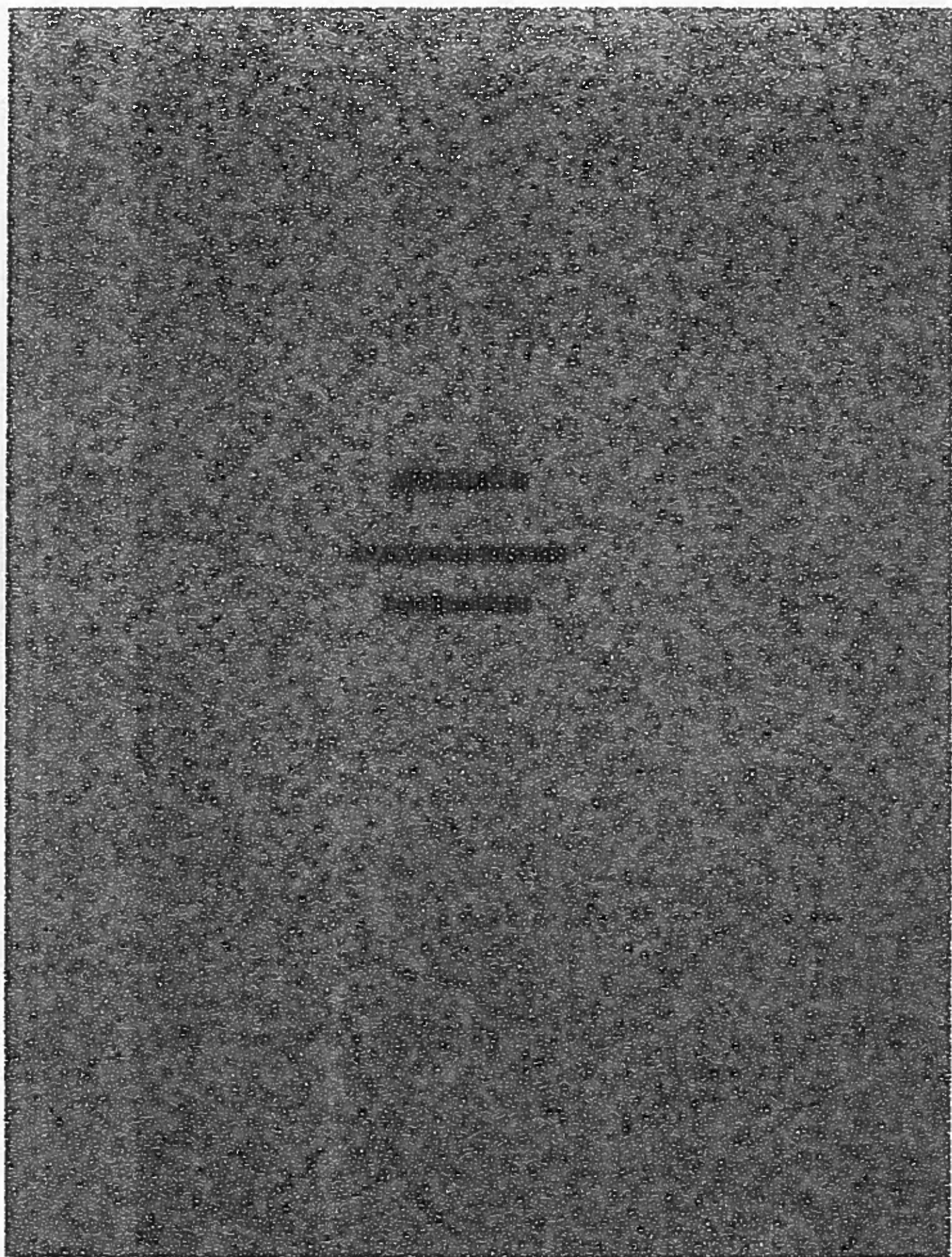
Received By: Helen H. [Signature]

Date/Time: 10/18/12 1130

Date/Time:

Drop Off [ ] Drop On [ ] Other [ ]

A Note to Customers: By signing and relinquishing your samples to the laboratory, you agree with the terms and conditions found on the back of this Chain of Custody Form.





Environmental Hazards Services, L.L.C.  
7469 Whitepine Rd  
Richmond, VA 23237  
Telephone: 800.347.4010

## Lead Paint Chip Analysis Report

Report Number: 12-10-02803

Client: The Scott Lawson Group Ltd.  
20 Chenell Drive  
Concord, NH 03301

Received Date: 10/19/2012  
Analyzed Date: 10/24/2012  
Reported Date: 10/24/2012

Project/Test Address: Survey Old PD 12-1659, Rochester, NH  
Collection Date: 10/17/2012

Client Number:  
201023

## Laboratory Results

Fax Number:  
603-228-3871

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by WL	Narrative ID
12-10-02803-001	101712-1659 B100	TAN TIN	480	0.048	
12-10-02803-002	101712-1659 B101	BROWN EXT	340	0.034	
12-10-02803-003	101712-1659 B102	WHITE 2 F WAL	<42	<0.0042	
12-10-02803-004	101712-1659 B103	WHITE 2 F DOD	52	0.0052	
12-10-02803-005	101712-1659 B104	OLIVE 1FC EI	800	0.080	
12-10-02803-008	101712-1659 B105	WHITE 1FT RI	89	0.0089	L04
12-10-02803-007	101712-1659 B106	WHITE EXT	90	0.0090	

**ENVIRONMENTAL HAZARDS SERVICES, L.L.C**

**Client Number:** 201023

**Report Number:** 12-10-02803

**Project/Test Address:** Survey Old PD 12-1658; Rochester, NH

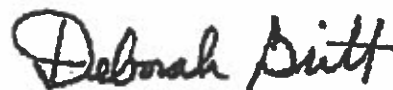
Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by WL	Narrative ID
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**Sample Narratives:**

**L04:** Sample contains substantial amounts of substrates which may affect the calculated results with units of ppm and % by weight.

**Method:** EPA SW846 7000B

**Reviewed By Authorized Signatory:**



**Deborah Britt**  
QA/QC Clerk

The HUD lead guidelines for lead paint chips are 0.50% by Weight, 5000 ppm, or 1.0 mg/cm<sup>2</sup>. The Reporting Limit (RL) is 10.0 ug Total Pb. Paint chip area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in mg/cm<sup>3</sup> are calculated based on area supplied by client. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714.

<b>LEGEND</b>	Pb= lead	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	WL = weight	



**EHS Laboratories**

Environmental Hazards Services, LLC  
www.ehs-lab.com 7400 Whitepine Rd  
(800) 547-4010 Richmond, VA  
(804) 275-4007 (fax) 23237

# Lead Chain-of-Custody

12-10-02803



Due Date:  
10/24/2012  
(Wednesday)  
EL



Company Name: Scott Lawson Group Address: 20 Chancell Dr City/State/Zip: Concord NH 03301  
Phone: 603 228 3160 Fax: ( ) E-mail: henzic@sigl.com Assoc. Number: 201023  
Project Name / Testing Address: Survey 4 DIA PD 12-1659 City/State (Required): Roschester NH  
Collected by: \_\_\_\_\_ Certification Number: \_\_\_\_\_ Purchase Order Number: \_\_\_\_\_

\* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

No.	Sample Type	Date Collected	Client Sample ID	Collection Location (LR, RT, LTPR, RTOR, etc.)	Surface Type	Area Length X W (ft) (Provide pole size and color if measuring surface)	Paint Chip	Flow Rate (L/min)	Volume (Total Liters)	Comments
1	PC	10/17/12	10012-055	TAN	INT	INT				
2			10101-055	BAR	WN	EX				
3			10102-055	WH	ITE	2F				
4			10103-055	WH	ITE	2F				
5			10104-055	WH	ITE	2F				
6			10105-055	WH	ITE	2F				
7			10106-055	WH	ITE	2F				
8										
9										
10										

No.	Sample Type	Date Collected	Client Sample ID	Collection Location (LR, RT, LTPR, RTOR, etc.)	Surface Type	Area Length X W (ft) (Provide pole size and color if measuring surface)	Paint Chip	Flow Rate (L/min)	Volume (Total Liters)	Comments
1	PC	10/17/12	10012-055	TAN	INT	INT				
2			10101-055	BAR	WN	EX				
3			10102-055	WH	ITE	2F				
4			10103-055	WH	ITE	2F				
5			10104-055	WH	ITE	2F				
6			10105-055	WH	ITE	2F				
7			10106-055	WH	ITE	2F				
8										
9										
10										

Turn Around Time (TAT)  
☐ 1-Day  
☒ 3-Day  
☐ Same Day (Next Call Ahead)  
☐ Weekend (Next Call Ahead)  
 If no TAT is specified, sample(s) will be processed and charged as 3-Day TAT.

Signature: Helen Fazio Date/Time: 10/18/12 130  
 Signature: Henry Scott Date/Time: 10-19-12

## INTRODUCTION

## EXPERIMENTAL RESULTS

## CONCLUSIONS



Wednesday, October 24, 2012

Attn:  
The Scott Lawson Group  
P.O. Box 3304  
Concord, NH 03301-3304

Project ID: CITY OF ROCHESTER OLD PD  
Sample ID#s: BC86434 - BC86436

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the CDC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 08045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

October 24, 2012

FOR: Attn:  
The Scott Lawson Group  
P.O. Box 3304  
Concord, NH 03301-3304

### Sample Information

Matrix: SOLID  
Location Code: SCOTTLA  
Rush Request: Standard  
P.O.#: 12-1858

### Custody Information

Collected by: SM  
Received by: SW  
Analyzed by: see "By" below

Date	Time
10/17/12	0:00
10/19/12	11:00

### Laboratory Data

SDG ID: GBC88434  
Phoenix ID: BC88434

Project ID: CITY OF ROCHESTER OLD PD  
Client ID: 101712-1659-B01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	10/18/12		E180.3
Caulk Extraction for PCB	Completed			10/19/12	BBK	8W3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1018	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1221	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1232	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1242	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1248	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1254	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1260	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1262	ND	600	ug/Kg	10/22/12	AW	3540C/8082
PCB-1268	ND	600	ug/Kg	10/22/12	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	79		%	10/22/12	AW	30 - 160 %
% TCMX	85		%	10/22/12	AW	30 - 160 %

Project ID: CITY OF ROCHESTER OLD PD  
Client ID: 101712-1858-B01

Phoenix I.D.: BC86434

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOD, Limit of Quantitation) NO=Not Detected  
BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

October 24, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 845-1102 Fax (860) 845-0823



## Analysis Report

October 24, 2012

FOR: Attn:  
The Scott Lawson Group  
P.O. Box 3304  
Concord, NH 03301-3304

### Sample Information

Matrix: SOLID  
Location Code: SCOTTLA  
Rush Request: Standard  
P.O.#: 12-1659

### Custody Information

Collected by: SM  
Received by: SW  
Analyzed by: see "By" below

Date	Time
10/17/12	0:00
10/19/12	11:00

### Laboratory Data

SDG ID: GBC86434  
Phoenix ID: BC86436

Project ID: CITY OF ROCHESTER OLD PD  
Client ID: 101712-1659-B02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	10/18/12		E180.3
Caulk Extraction for PCB	Completed			10/18/12	BB/K	8W3540C
<b>PCB (Soxhlet)</b>						
PCB-1016	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1221	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1232	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1242	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1248	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1254	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1280	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1282	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1288	ND	740	ug/Kg	10/22/12	AW	3540C/8082
<b>QA/QC Surrogates</b>						
% DCBP	54		%	10/22/12	AW	30 - 150 %
% TCMX	28		%	10/22/12	AW	30 - 150 %

Project ID: CITY OF ROCHESTER OLD PD  
Client ID: 101712-1659-B02

Phoenix I.D.: BC85435

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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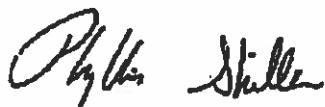
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected  
BRL=Below Reporting Level

**Comments:**

\* In order to reach the desired MDL, the sample extracts were run undiluted causing the surrogates to be quantified above their calibration range.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

October 24, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.  
557 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

October 24, 2012

FOR: Attn:  
The Scott Lawson Group  
P.O. Box 3304  
Concord, NH 03301-3304

### Sample Information

Matrix: SOLID  
Location Code: SCOTTLA  
Rush Request: Standard  
P.O.#: 12-1659

### Custody Information

Collected by: SM  
Received by: SW  
Analyzed by: see "By" below

### Date      Time

10/17/12      0:00  
10/19/12      11:00

### Laboratory Data

SDG ID: GBC86434  
Phoenix ID: BC86436

Project ID: CITY OF ROCHESTER OLD PD  
Client ID: 101712-1659-B03

Parameter	Result	RI/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	10/18/12		E160.3
Caulk Extraction for PCB	Completed			10/18/12	BBK	5W3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1221	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1232	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1242	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1248	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1254	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1260	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1262	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
PCB-1268	ND	1000	ug/Kg	10/22/12	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	56		%	10/22/12	AW	30 - 150 %
% TCMX	31		%	10/22/12	AW	30 - 150 %

Project ID: CITY OF ROCHESTER OLD PD  
Client ID: 101712-1659-B03

Phoenix I.D.: BC86436

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAP LOQ, Limit of Quantitation) NO=Not Detected  
BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

October 24, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.  
507 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

October 24, 2012

### QA/QC Data

SDS I.D.: GBC86434

Parameter	Blank	LCS %	LCSO %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 211988, QC Sample No: BC86687 (BC86434, BC86435, BC86436)									
<u>Polychlorinated Biphenyls - Solid</u>									
PCB-1018	ND	83	85	2.4	84	82	2.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	89	90	1.1	88	84	2.4	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	88	94	97	3.1	91	89	2.2	30 - 150	30
% TCMX (Surrogate Rec)	69	82	85	3.8	88	83	5.8	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

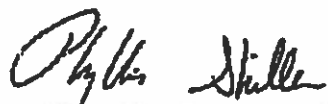
LCSO - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
October 24, 2012

Wednesday, October 24, 2012

Requested Criteria: None

State: NH

Sample No      Accode      Phoenix Analyte

\*\*\* No Data to Display \*\*\*

## Sample Criteria Exceedences Report

GBC86434 - SCOTTLA

Page 1 of 1

Sample No	Accode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
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Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



APR 1969

RESEARCH AND DEVELOPMENT

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## **BULK SAMPLING METHODOLOGY**

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A walkthrough of the facility by *SLGL* was first conducted prior to the collection of samples of identified suspect materials. Collected samples were then submitted to *SLGL's* in-house laboratory for analysis of possible Asbestos content.

Suspect ACM was identified and categorized into homogeneous categories. Homogeneous means uniformity in texture, color, and appearance.

A typical sampling scenario during this project consisted of:

1. The inspector equipped with appropriate protective equipment and sampling gear, moistens the area where the sample is to be collected. A wetting agent is added to prevent disturbance of the material and the release of fibers into the air.
2. The sample is extracted using a clean knife and/or tweezers. The inspector cuts a small piece of material penetrating all layers.
3. The sample is placed in a labeled container and sealed. The exterior of the container is then wet-wiped clean.
4. Sampling tools are cleaned and any fallen debris is cleaned with a High-Efficiency, Particulate-Air (HEPA) vacuum.

Samples were then delivered to *SLGL's* in-house National Voluntary Laboratory Accreditation Program-accredited laboratory (NVLAP No. 101228-1) for analysis. The samples were analyzed for possible Asbestos content utilizing the EPA Method 600/R-93/116, July 1993, which incorporates the use of Polarized Light Microscopy (PLM).

It should be noted that, although PLM is generally considered the accepted analytical procedure for the analysis of bulk samples, recent industry study findings have advocated the use of Transmission Electron Microscopy (TEM) for the analysis of Floor Tile samples. The reason for this recommendation is that Asbestos fibers, when found in Floor Tiles, can be at or below the resolution limit of the Polarized Light Microscope; however, a significant drawback to TEM is the greatly increased cost per analysis. *SLGL's* policy is to recommend that our clients consider selective reanalysis of the Floor Tile samples should definitive results become necessary.



11 BUXTON INDUSTRIAL DRIVE  
PO BOX 870  
HENNIKER, NH 03242  
PHONE (603) 428-3218  
FAX (603) 428-7426  
www.michlecorp.com

## JOB DESCRIPTION – TASK ANALYSIS

**Job Title:** Randy Shampney Alternative Duty 9/26/12

**General Description/Purpose:** To provide return to work tasks within capability

**Department & Location:** Precast Yard **Supervisor:** Alan Michie

### Description of Tasks:

1. Coat structures with roller
2. Assist with boot installation into manholes
3. Light clean up of yard area, general helping around property
4. \_\_\_\_\_
5. \_\_\_\_\_

**Tools & Equipment:** Paint Roller  
**Describe Special Demands:** These tasks do not require climbing on ladders or stairs

### PHYSICAL DEMANDS

The following shows the maximum physical demand for all the tasks listed above.

JOB REQUIRES Part of day	Continuous 100-67%	Frequent 66-34%	Occasional 33-1%
Bending		x	
Kneeling			x
Squatting			x
Climbing			N/A
Standing	x		
Walking		x	
Sitting			x
Reaching		x	
Driving			N/A
Fine motor skills		x	

### JOB REQUIRES

Maximum lifting/carrying of 30 lbs

Frequent lifting/carrying of 15 lbs

### WORK SCHEDULE:

Number of hours/day 4+

Number of days/week 5

Does job require Repetitive Motions? N/A				
	wrist	elbow	shoulder	ankle
Right				
Left				

## **SECTION 4**

### **VISUAL EXAMINATION OF FORMER FIRE DEPARTMENT BUILDING**

**STEFFENSEN ENGINEERING ASSOCIATES, INC**

CONSULTING STRUCTURAL ENGINEERS  
31 CALEF ROAD  
AUBURN NEW HAMPSHIRE 03032 3518  
TEL (603) 483-1300 FAX (603) 483-0650

December 22, 2011

JHD Construction Services  
26 Dodge Road  
Amherst, NH 03031  
Attn: Mr. Jim Delisle

Re: Former Fire Department Bldg  
31 Wakefield Street  
Rochester, NH

Dear Mr. Delisle,

At your request, you and I conducted a visual examination of the above named structure on December 20, 2011. Our conclusions from this viewing are as follows.

The roof framing consists of sloped wood rafters supported by heavy timber trusses with mortise and tenon, pegged joints. The roof planes were relatively flat with minor deflection. The rafters appeared to be straight with no apparent damage. The joints in the trusses were tight and the chord and web members had only minor checking.

The second floor framing consists of wood joists supporting an overlaid concrete floor. The joists are supported by heavy timber and steel beams. The view of the floor framing was limited but what was accessible appeared to be sound. The floor system was very stiff in fact more so than typical.

The first floor framing consists of wood joists supporting an overlaid concrete floor. The joists are supported by heavy timber and steel beams. At several locations additional steel beams and steel reinforced existing beams occur. The reinforced existing steel beams have almost twice the load capacity of the original. The view of the floor framing was limited but what was accessible appeared to be sound. The floor system was very stiff in fact more so than typical.

The exterior walls are constructed of brick masonry and with the exception of several locations requiring repointing, appear to be plumb and straight.

Generally the building is in good to excellent structural condition and could be put to practical use. At this stage of review, no calculations were performed to determine load capacity but it is very likely that the floor load capacity of the building will be adequate. The majority of interior partitions do not appear to be load bearing. If potential future use is anticipated, the ceilings and non-bearing walls could be removed so that floor framing could be thoroughly examined from underneath and modifications to the bearing system could be made. This building probably does not meet the current requirements for seismic resistance but considering its use as a Police station having office occupancy, future municipal use as offices would be grandfathered.

Thank you for this opportunity to be of service to you. If you have any questions or comments, please do not hesitate to call or write.

Yours truly,

  
Peter H. Steffensen, P.E.