



ADDENDUM NO. 001

Date: June 10, 2016

Project: **City Hall Annex Renovations**
Rochester, New Hampshire
Bid No.: 16-38

This Addendum is issued prior to receipt of the bids and does hereby become a part of the Contract Documents, and in case of conflict, it shall supersede original project manual and drawings.

The work of the Addendum shall comply with all contract requirements including Division 00 and 01 specifications and the following specific items noted.

Each bidder shall be responsible for issuing information contained herein to sub-contractors and suppliers to ensure that his/her proposal covers all work required by the Contract Documents including this Addendum.

GENERAL

1. All questions regarding the bid must be submitted in writing by 5:00 p.m. on Monday May 13, 2016 via e-mail to purchasing@rochesternh.net.
2. The Rochester Annex building will be open for bidder site visits on Monday, June 13, from 7:00 a.m. to 3:00 p.m. Contact Michael Riley, Municipal Services Supervisor-Facilities, at 603-923-1742 to arrange access to the building beyond this time.

RESPONSE TO RFI QUESTIONS

1. **Question:** Can you be more specific as to what you are looking for the unit price #4. This can vary a great deal. Also what unit is this to be priced by weight, etc.? We assume unit 1 and 2 is priced by Cy and 3 by sf? What thickness should be base #3 on. Please clarify these requirements.

Response: Unit price #4 has been modified and no longer refers to miscellaneous and structural steel. Unit prices #1 and #2 are priced by the cubic yard and #3 is priced by the square foot. Base unit price #3 on a 4 inch thick slab. See modifications to Sections 004322 and 012200 below.

2. **Question:** Spec Section 221316 (Sanitary Waste & Vent), para 3.9.A and B states to use the listed types of material for piping but no list is provided in either paragraph. Please clarify what material is approved for above & below ground.

Response: “Listed” refers to any of the materials and joining methods described in Part 2 of the specification. Materials approved for above ground are cast-iron, copper, and PVC. Under slab piping materials must be cast-iron. Exposed above ground piping shall be painted black.

3. **Question:** There is no specification section for Building Controls, usually 230900.

Response: Automatic temperature control (ATC) for the project is predominantly integral with the variable refrigerant flow (VRF) system. Controls for remaining items are described on Sheet M-701, and shall be low-voltage devices and relays. The related components are in Section 230923.27 Temperature Instruments. The only digital/electronic controller required is for hot water coil HC-1 (See Detail 1 on Sheet M-701), for which the installer may use any suitable proportional device, such as a Tekmar 150.

4. **Question:** Is there an existing building control system in the building now? If yes, please provide the name.

Response: The adjacent City Hall building has an existing Honeywell DDC system. Connection to this system is only to be for alarms as described on Sheet M-701 in Details 3 and 6. The wire routing is shown at the lower left of the plan on Sheet M-101. The existing Honeywell panel is on the south wall of the City Hall’s boiler room, approximately 25 feet from the exit of the utility tunnel from the Annex. The connection from the point indicated by Keynote 5 on Sheet M-101 to the panel will require approximately 18 feet of conduit, wiring and fittings thru the utility tunnel plus an additional 25 feet in the boiler room to the panel. Install the conduit to Honeywell panel either up north wall of mechanical room as it exits the tunnel and across the ceiling, or along the east wall avoiding the doorway. See modification to Keynote 5, Drawing M-101 below.

5. **Question:** Detail 3/M-701 makes a reference to Honeywell, is Honeywell the basis of design?

Response: There is no basis of design for the limited controls required outside the VRF system. (See answers to question 3 above). For the details of connection to the City Hall’s Honeywell system (see answer to question 4), contact Honeywell as noted on Sheet M-701 in details 3 and 6.

6. **Question:** Please clarify full scope of option #1. Drawing AE901 only references 2 notes pertaining to this option with patching and repairing 700sf of existing brick and mortar and to replace profiles with granite masonry (keynotes 1 and 2 respectively). However, drawing AD201, Detail 1, Keynote M is calling for all of the existing brick veneer on the west elevation to be removed. Please clarify.

Response: Option 1 scope of work consists of further repairs to the original 1904 west facade after the base bid removal of the 1970’s brick veneer. It is assumed that after the brick veneer is removed, there will be brick tie and other miscellaneous holes in the original masonry to be patched and original profiled granite pieces to be replaced. These scope of work items are what are meant to be covered by Keynotes 1 and 2 on Sheet AE901. Removal of the 1970’s brick veneer, the repair work shown on Sheets AE201 and AE210, and cleaning of the facade are part of the base bid scope. See modifications to Drawing AE901 below.

7. **Question:** There are no Constant Airflow Regulators shown on the plans but they are called for in the specifications page 233300-6 Section 3.1-D. Are they required on this project?

Response: The Constant Airflow Regulators indicated in the specification are labeled as “CFD” (Constant Flow Dampers) on the drawings with the required CFM indicated.

8. **Question:** Drawing C-002, Continuous Barrier free Access Safe access under the ADA to City Hall during the duration of construction from the rear parking lot and the Wakefield Street entrance will be extremely difficult to achieve, as well as effecting schedule and cost. Would the City consider, in the best interest of the public, making the construction of a temporary ADA compliant ramp at the front entrance of City Hall on Wakefield part of the scope of the project. This ramp would allow separation of the public from the construction activities during the project?

Response: The layout and available space at the front entry to City Hall prohibits the construction of a ramp. In lieu of providing continuous access through the alley between the Annex and City Hall, provide an accessible route with signage clockwise from back parking lot around City Hall to the existing accessible entrance on the north side of City Hall. The City of Rochester shall re-stripe and provide handicap parking signs at two existing parking spots at the south entrance to City Hall. The Contractor shall be responsible to provide temporary directional signage indicating the route to the existing accessible entrance and temporary lighting, sidewalks, and ramps as required to provide an accessible route. Schedule work directly adjacent to or above the existing accessible entrance to City Hall off hours, coordinating the schedule with events at the Rochester Opera House. See modifications to Drawing C-002 below.

9. **Question:** Regarding the removal of the 2nd floor concrete floor that contains asbestos, what is the specification on how to remove asbestos contaminated concrete, this also pertains to the mastic on the existing asphalt shingle roof on the east elevation? A copy of the report that is on file would also be helpful.

Response: The concrete itself does not contain asbestos. Per the attached “Results of an Asbestos, Lead Paint and Polychlorinated Biphenyls Identification Survey” report prepared by the Scott Lawson Group, there is an asbestos containing pink flooring substrate sandwiched between the second floor concrete slab and original wood flooring. The extent of the substrate is unknown; for bidding purposes assume 50 percent of the second floor area. Per the 2012 report there is approximately 40 square feet of asbestos containing flashing cement/roofing tar at the east entrance to the building. Per Hazardous Materials Note 3 on Sheet G-003, remove existing asbestos containing materials in accordance with Federal, State and local regulations. See modifications to Sections 004322 and 012200 regarding unit pricing for asbestos abatement below. See modifications to Drawing AD101 below.

10. **Question:** Is the fence and gate shown on the basement drawing a wire mesh partition or chain link fencing? See note 4, Dwg AE100.

Response: The intent is that the fence and gate in the basement is chain link fencing. Provide 2 inch, 0.148 inch-thick, galvanized steel, chain link fabric fencing; 2-3/8 inch OD posts; and 1-5/8 inch OD top and bottom rails. See modifications to Drawing AE100 below.

11. **Question:** Spec Section 221316, paragraph 2.4 notes that PVC Pipe and Fittings are not allowed for below slab installation, yet on drawing P-101, there is a note to provide a PVC backwater valve flush with floor from the floor sink FS-1 in the SW corner of Room B02. Is this correct?

Response: Yes, a PVC backwater valve is acceptable at this location, as is cast-iron.

12. **Question:** We would like to schedule a site visit for ourselves and a couple of subcontractors who are bidding the project for us. We did attend the Mandatory Site Walk-thru. Please let us know how to schedule and when we would be able to gain access to the building.

Response: Contact the City public works department for building access. See General item 2 above.

13. **Question:** Carpet styles 1 and 2 are called out for Rooms 207, 208, 209 & 215. Is there a pattern associated with these areas? Same scenario with the Break/ Collaboration areas for the carpet / rubber tile combo.

Response: See 4/AE801 for second floor flooring pattern plan.

14. **Question:** Is there a local rep for the NOVAC 1230 system?

Response: Interstate Fire Protection, North Conway, NH, 1-800-717-6454.

15. **Question:** Is there a spec for the snow guards, decorative urns, carved relief panel and bracket in option 5?

Response: Snow guard basis-of-design is Alpine SnowGuards PP225. See modifications to Drawing AE201 below. See Section 101423 Panel Signage for carved wood panel specifications (Note: image shall be centered in panel). Wood species for urns and brackets shall be "cedar". Brackets (also known as corbels) shall be solid wood. Wood relief panel, urns, and brackets shall be painted to match exterior wood (WD-1) trim. See modifications to Drawing AE901 below.

16. **Question:** My company, CRF Inc., is the Moderco Operable Partition distributor in New England. We've been asked to bid the Operable Partitions for the City Hall Annex Renovations project in Rochester, NH. Is it possible for you to add Moderco as an acceptable manufacturer in the next addendum?

Response: Yes. Please note that the specification is open to any manufacturer offering products that meet the requirements of the specification. List of manufacturers is not meant to be exclusive. See modifications to Section 102239 below.

SPECIFICATIONS

1. SECTION 004322, UNIT PRICES FORM
 - a. Paragraph 1.3, D: Replace "Miscellaneous and structural steel" with "Asbestos abatement."
2. SECTION 012200, UNIT PRICES
 - a. Paragraph 3.1, D: Replace "Miscellaneous and structural steel" with "Asbestos abatement."
 - b. Replace paragraph 3.1, D, 1 with the following: "Description: Add or deduct of flooring substrate asbestos containing material as required in the Contract."
 - c. Replace paragraph 3.1, D, 2 with the following: "Unit of Measurement: Square feet of flooring substrate (not) removed."
3. SECTION 072714, AIR AND VAPOR CONTROL LAYER
 - a. Add paragraph 2.4, C, 1 to read as follows: "Basis-of-Design Products: Provide the following products at indicated locations or equivalent products from another manufacturer:
 - i. Flat taping of membrane seams and edges: Tescon Vana, 8 perms.
 - ii. Taping membrane to window: Contega Solido SL, 1.4 perms.
 - iii. Use Extoseal Encors at window sills for self-sealing, leakproof window and door pans.
 - iv. Taping membrane to joist bays: Tescon Profil."
 - b. Add paragraph 2.4, C, 2 to read as follows: "Use tools as recommended by membrane or tape manufacturer for optimal tape pressurization."
 - c. Add paragraph 2.4, C, 3 to read as follows: "Utilize complimentary services of membrane manufacturer's representative to provide hands-on taping training to contractor."
4. SECTION 102239, FOLDING PANEL PARTITIONS
 - a. Paragraph 2.2, A, 1: After "include" add "but is not limited to, the following."
 - b. Add paragraph 2.2, A, 1, d to read as follows: "Moderco."

DRAWINGS

1. C-002, SITE CONSTRUCTION STAGING AND PHASING PLAN
 - A. Accessible routes note 1: Add the following: "PROVIDE AN ACCESSIBLE ROUTE WITH SIGNAGE CLOCKWISE FROM BACK PARKING LOT AROUND CITY HALL TO THE EXISTING ACCESSIBLE ENTRANCE ON THE NORTH SIDE OF CITY HALL. THE CITY OF ROCHESTER SHALL RE-STRIPE AND PROVIDE HANDICAP PARKING SIGNS AT TWO EXISTING PARKING SPOTS AT THE SOUTH ENTRANCE TO CITY HALL. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY DIRECTIONAL SIGNAGE INDICATING THE ROUTE TO THE EXISTING ACCESSIBLE ENTRANCE AND TEMPORARY LIGHTING, SIDEWALKS, AND RAMPS AS REQUIRED TO PROVIDE AN ACCESSIBLE ROUTE. SCHEDULE WORK DIRECTLY ADJACENT TO OR ABOVE THE EXISTING ACCESSIBLE ENTRANCE TO CITY HALL OFF HOURS, COORDINATING THE SCHEDULE WITH EVENTS AT THE ROCHESTER OPERA HOUSE."

2. AD101, FIRST AND SECOND FLOOR REMOVALS PLAN
 - a. Removals Keynote H: Delete "AND MASTIC".
 - b. Removal Keynote H: Add the following: "ASSUME 50 PERCENT OF THE SECOND FLOOR AREA CONTAINS ASBESTOS CONTAINING FLOOR SUBSTRATE."
3. AE100, BASEMENT FLOOR PLAN
 - a. Keynote 4: Change "1-1/2" DIA" to "2-3/8" OD".
 - b. Keynote 4: Add the following: "PROVIDE 2 INCH, 0.148 INCH-THICK, GALVANIZED STEEL, CHAIN LINK FABRIC FENCING; 2-3/8 INCH OD POSTS; AND 1-5/8 INCH OD TOP AND BOTTOM RAILS."
4. AE201, EXTERIOR ELEVATIONS
 - a. Add Keynote 21 to read as follows: "PROVIDE 15' LENGTH OF SNOW FENCE, SEE DETAIL 6/AE901. PROVIDE ALPINE SNOWGUARDS PP225 BRASS WITH BRASS BASE PLATE THREE-PIPE HEIGHT ADJUSTABLE SNOW GUARD OR APPROVED EQUIVALENT FROM ANOTHER MANUFACTURER."
 - b. In Detail 3, add keynote 21 pointing to rectangle centered on lower section of roof.
 - c. Note: Snow fence at this location shall be part of base bid, not Option 5.
5. AE541, CASEWORK DETAILS 2
 - a. Add General Sheet Note 5 to read as follows: "PROVIDE A-GRADE FACE PLYWOOD PANEL AT EXPOSED PLYWOOD FACE LOCATIONS."
6. AE623, EXTERIOR WINDOW DETAILS
 - a. Detail 1, provide manufacturer's recommended tapes to connect air and vapor control membrane to window.
7. AE702, SECOND FLOOR REFLECTED CEILING PLAN
 - a. Add Keynote 5 to read as follows: "PROVIDE ELECTRICALLY OPERATED PROJECTION SCREEN CENTERED IN SOFFIT."
 - b. Add Keynote 6 to read as follows: "PROVIDE FLUSH, CEILING MOUNTED PROJECTOR SUPPORT. PROVIDE PEERLESS CMJ 500 OR APPROVED EQUIVALENT."
 - c. In Detail 1 (Second Floor Reflected Ceiling Plan), add keynote 5 pointing to soffit at east wall of Conference Room 207.
 - d. In Detail 1 (Second Floor Reflected Ceiling Plan), add keynote 6 pointing to center of western most ACT bay in Conference Room 207.
 - e. Note: Power to screen is shown on sheet EP103. See drawing notes below for modifications to power and technology plan modifications for projector power.
8. AE901, WEST FACADE RESTORATION [OPTION 1] AND ARCHITECTURAL ITEMS [OPTION 5]
 - a. Keynote 1: Add the following: "ASSUME EXISTING BRICK TIES AT 2'-0" HORIZONTALLY AND VERTICALLY. ASSUME BRICK TIES ARE IN BRICK FACE. PATCH BRICK FACE WITH BRICK PATCHING COMPOUND."
 - b. Keynote 2: Replace "PROFILES" with "PROFILED".
 - c. Keynote 10: Replace "WOOD" with "SOLID CEDAR".
 - d. Keynote 11: Replace "WOOD" with "SOLID CEDAR".

9. M-101, BASEMENT MECHANICAL PLAN

- a. Revise Keynote 5 to read as follows: "TWO TWISTED PAIRS TO CITY HALL BOILER ROOM FOR CONNECTION TO EXISTING HONEYWELL DDC SYSTEM PANEL, SEE 3/M-701 AND 6/M-701."

10. EP103, SECOND FLOOR POWER PLAN

- a. Detail 1: Provide flush, ceiling mounted duplex receptacle in Conference Room 207 fed from circuit P2-20 for ceiling mounted projector. Coordinate exact location with Owner.

11. ET102, FIRST AND SECOND FLOOR TECHNOLOGY PLANS

- a. Detail 3: Provide flush, ceiling mounted data jack at the location of the projector (adjacent to the associated receptacle), with conduit pathway to the above ceiling data J- hook pathway and Cat 6 data cable home run to Data Room B03. Provide a 1-1/4 inch concealed conduit with HMDI cable from the projector ceiling location to a flush, wall mounted box located in Room 207. Provide deep 4 11/16 box with raised single gang device ring and HMDI jack at either end of conduit run. Coordinate location of wall mounted box with Owner.

Attachments: "Results of an Asbestos, Lead Paint and Polychlorinated Biphenyls Identification Survey" prepared by the Scott Lawson Group.

---End---



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

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 ²
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 ²

* 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

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

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)¹ 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.

¹ 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.

APPENDIX A

ANALYTICAL RESULTS

Asbestos



The Scott Lawson Group, Ltd.

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20 Chenell 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/M4-82-020 / 600/R-93/116 July 1993

Analytical Results

Collected by: SRM

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

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



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						Chrysotile	Amosite	Crocidolite	Fibrous Glass	Cellulose	Synthetic	Other		
301665*	101712-1659-B03, Window caulking (black), attic, half round window	No	Yes	Yes	Beige Gray Black	ND	ND	ND	ND	ND	ND	ND	10/22/2012	NEF
301666	101712-1659-B04A, 12X12 white/gray floor tile, 2nd fl. lobby	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	10/22/2012	NEF
301667	101712-1659-B04B, 12X12 white/gray floor tile, 2nd fl. lobby	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	10/22/2012	NEF

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Reviewed By:

Helena M. Ennen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



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						Chrysotile	Amosite	Crocidolite	Fibrous Glass	Cellulose	Synthetic	Other	Fibrous Material		
301668	101712-1659-B05A, Yellow mastic on white/gray floor tile, 2nd fl. lobby	No	No	Yes	Yellow	ND	ND	ND	ND	<1	ND	ND	>99	10/22/2012	NEF
301669	101712-1659-B05B, Yellow mastic on white/gray floor tile, 2nd fl. lobby	No	No	Yes	Yellow	ND	ND	ND	ND	<1	ND	ND	>99	10/22/2012	NEF
301670	101712-1659-B06A, 12X12 white/gray floor tile, 2nd fl, rear corridor	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301671	101712-1659-B06B, 12X12 white/gray floor tile, 2nd fl, rear stairwell landing	No	No	No	White Gray	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF

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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 Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Date Analyzed	Analyst
						Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other	Fibrous Material		
301672	101712-1659-B07A, Black mastic on white/gray floor tile, 2nd fl, rear corridor	No	No	Yes	Black	5	ND	ND	ND	ND	ND	ND	95	10/22/2012	NEF
301673	101712-1659-B07B, Black mastic in white/gray floor tile, 2nd fl, rear stairwell landing	No	No	Yes	Black	5	ND	ND	ND	ND	ND	ND	95	10/22/2012	NEF
301674*	101712-1659-B08, Window glazing, attic, stored half round window	No	Yes	Yes	Gray White	8	ND	ND	ND	ND	ND	ND	92	10/22/2012	NEF
301675*	101712-1659-B09A, 2X4 plain white ceiling tile, 2nd fl, main corridor	No	Yes	Yes	Gray White	ND	ND	ND	60	ND	ND	ND	40	10/22/2012	NEF

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Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



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						Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Celinsose	Synthetic	Other				
301676*	101712-1659-B09B, 2X4 plain white ceiling tile, 2nd fl, office off corridor	No	Yes	Yes	Gray	ND	ND	ND	60	ND	ND	ND	ND	40	10/22/2012	NEF	
301677*	101712-1659-B10A, 2X4 grooved ceiling tile, 2nd fl, large rear office	No	Yes	Yes	Gray	ND	ND	ND	30	ND	ND	ND	ND	40	10/22/2012	NEF	
301678*	101712-1659-B10B, 2X4 grooved ceiling tile, 1st floor, corridor	No	Yes	Yes	Gray	ND	ND	ND	30	ND	ND	ND	ND	40	10/22/2012	NEF	

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						Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other			
301679	101712-1659-B11A, Blue cove base, 2nd fl. corridor	No	No	No	Blue	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301680	101712-1659-B11B, Blue cove base, 1st floor corridor	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	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	Brown	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF
301683	101712-1659-B13, Window caulking, exterior hand crank window, 2nd fl.	No	No	No	Gray	ND	ND	ND	ND	ND	ND	ND	100	10/22/2012	NEF

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									Other	Fibrous	Non-Fibrous			
301684	101712-1659-B14A, Gypsum board/joint compound, 2nd fl. lobby	No	No	Yes	Gray	ND	ND	ND	<1	2	ND	ND	>97	10/22/2012 NEF
301685	101712-1659-B14B, Gypsum board/joint compound, 2nd fl. rear office	No	No	Yes	Gray	ND	ND	ND	<1	2	ND	ND	>97	10/22/2012 NEF
301686	101712-1659-B14C, Gypsum board/joint compound, 1st fl. rear stairwell	No	No	Yes	Gray	ND	ND	ND	<1	2	ND	ND	>97	10/22/2012 NEF
301687*	101712-1659-B14D, Gypsum board/joint compound, 1st fl. lobby	No	Yes	Yes	Gray Brown	ND	ND	ND	ND	5	ND	ND	95	10/23/2012 NEF

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						Chrysotile	Annisite	Crocidolite	Glass	Cellulose	Synthetic	Other	Non			
301688*	101712-1659-B14E, Gypsum board/joint compound, bsmt. 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, bsmt. store 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, restroom	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, restroom	No	No	No	White	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF

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						Chrysotile	Amosite	Crocidolite	Fibrous Glass	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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SLGL Lab #	Sample Identification	Obvious					Asbestos %					Other Fibrous Material %				Fibrous Material	Date Analyzed	Analyst
		Homogeneous	Layers	Fibrous	Color	Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other	Non					
301696	101712-1659-B18A, Black mastic on blue floor tile, 1st fl. control room	No	No	Yes	Black	3	ND	ND	ND	ND	ND	ND	ND	97	10/23/2012	NEF		
301697	101712-1659-B18B, Black mastic on blue floor tile, 1st fl. control room	No	No	Yes	Black	3	ND	ND	ND	ND	ND	ND	ND	97	10/23/2012	NEF		
301698	101712-1659-B19A, 12X12 tan floor tile, 1st fl. lobby	No	No	No	Tan	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF		
301699	101712-1659-B19B, 12X12 tan floor tile, 1st fl. lobby	No	No	No	Tan	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF		

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Norman Fletcher, Lab Manager



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									—	—	—		Cellulose	Synthetic	Other			
301700	101712-1659-B20A, Yellow mastic on tan FT, 1st fl. lobby	No	No	No	Yellow	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF
301701	101712-1659-B20B, Yellow mastic on tan FT, 1st fl. lobby	No	No	No	Yellow	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	10/23/2012	NEF
301702	101712-1659-B21A, 12X12 white/gray floor tile, 1st fl. main corridor	No	No	Yes	White Gray	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	10/23/2012	NEF
301703	101712-1659-B21B, 12X12 white/gray floor tile, 1st fl. main corridor	No	No	Yes	White Gray	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	10/23/2012	NEF

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						Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other				
301704	101712-1659-B22A, Black mastic on white FT, 1st fl, main corridor	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	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 Gray	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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						Chrysotile	Amosite	Crocidolite	Glass	Fibrous	Cellulose	Synthetic	Other	Fibrous Material		
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	90	10/23/2012	NEF
301709*	101712-1659-B25, Pipe insulation, bsmt, large center room	No	Yes	Yes	Gray	80	ND	ND	ND	ND	5	ND	ND	15	10/23/2012	NEF
301710*	101712-1659-B26A, Yellow linoleum, bsmt restroom	No	Yes	Yes	Gray	ND	ND	ND	2	ND	30	ND	ND	68	10/23/2012	NEF
301711*	101712-1659-B26B, Yellow linoleum, bsmt restroom	No	Yes	Yes	Gray	ND	ND	ND	2	ND	20	ND	ND	68	10/23/2012	NEF

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		Homogeneous	Layers	Fibrous	Color	Chrysotile	Amosite	Crocidolite	Fibrous Glass	Cellulose	Synthetic	Other	Fibrous Material			
301712-01*	101712-1659-B27A, Tar on Black shingle, rear entrance, roof	No	No	Yes	Black Gray	20	ND	ND	ND	ND	2	ND	ND	78	10/23/2012	NEF
301712-02*	101712-1659-B27A, Black shingle, rear entrance, roof	No	Yes	Yes	Black	ND	ND	ND	ND	ND	20	ND	ND	80	10/23/2012	NEF
301713*	101712-1659-B27B, Black shingle, rear basement entrance, roof	No	Yes	Yes	Black	ND	ND	ND	ND	ND	20	ND	ND	80	10/23/2012	NEF
301714	101712-1659-B28A, Flashing cement, rear entrance, roof	No	No	Yes	Black Gray	10	ND	ND	ND	ND	ND	ND	ND	90	10/23/2012	NEF

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

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

Reviewed By:

Heleen H. Eizen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants
20 Cheneff 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

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/M4-82-020 / 600/R-93/116 July 1993

Analytical Results

Collected by: SRM

SLGL Lab #	Sample Identification	Homogeneous	Obvious Layers	Fibrous	Color	Asbestos %				Other Fibrous Material %				Non Fibrous Material	Date Analyzed	Analyst
						Chrysotile	Amosite	Crocidolite	Glass	Cellulose	Synthetic	Other	Fibrous			
301720	101712-1659-B31A, Tan mastic on gray FT, basement	No	No	Yes	Brown	ND	ND	ND	ND	<1	ND	ND	>99	10/23/2012	NEF	
301721	101712-1659-B31B, Tan mastic on gray FT, basement	No	No	Yes	Brown	ND	ND	ND	ND	<1	ND	ND	>99	10/23/2012	NEF	
301722*	101712-1659-B32A, 2X2 ceiling tile, 1st fl, control room	No	Yes	Yes	Gray	ND	ND	ND	30	30	ND	ND	40	10/23/2012	NEF	

Beige
White
Brown

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:

Heleen H. Enzen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



The Scott Lawson Group, Ltd.

Environmental, Health & Safety Consultants
20 Chenell 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/M4-82-020 / 600/R-93/116 July 1993

Analytical Results

Collected by: SRM

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

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:

Heleen H. Enzen

Approved By:

Norman E. Fletcher

Norman Fletcher, Lab Manager



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

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

City of Rochester

Client Project: Survey of
old Police Dept.

Client PO:

Turnaround Time
[select one]

☐ 13 hours*	☐ 16-8 hours*	☐ 24 hours*	☐ 48 hours*	☐ 72 hours*
☐ 5 days	☒ 10 days	☐ Weekend	☐ Other:	

Sample Matrix Type
(select one)

[] Air	☒ Bulk	[] Soil
[] Aqueous	[] Oil	[] Solid
[] Agar (horizontal)	[] Paint	[] Swab
[] Agar (plate)	[] Sludge	[] Tissue Lift

10/18/01
4421
* 301C
out
of
seq.

Sample Identification	Analysis
1017124659-801A	PLM

কেনি

302A

பொருள்

203

Sub A

Q14 B

1505A

1505

Relinquinced By

Relinquished By: Stephanie
Notarized By: _____

Discharge

10/8/12 0908

Reimposed By:

Due Dates

Samples Shipped Via: () FedEx () UPS () DHL () US Mail () Drop Box () Drug Off () Other

Received By:

Received By: Helen H Enzin

Received By:

Date/Time: 11/1

2

A Note to Customer: 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.



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

UNCLASSIFIED

City of Rochester
Address

Client Project: Survey of
Old Police Dept.

Client PO:

Turnaround Time
(select one)

☐ 3 hours* ☐ 6-8 hours* ☐ 12-24 hours* ☐ 48 hours* ☐ 72 hours*
☐ 5 days ☒ 10 days ☐ Weekend ☐ Other: _____

Sample Matrix Type
(select one)

☐ Air ☒ Bulk ☐ Soil
☐ Aqueous ☐ Oil ☐ Solid
☐ Agar (biostrip) ☐ Paint ☐ Swab
☐ Agar (plate) ☐ Sludge ☐ Tape Lift

☐ Water, drinking or waste

☐ Wipe

☐ Wipe composite

☐ Other: _____

Attention:

Sampled By:

SMC

Phone:

Fax:

Comments:

Sample Identification

Analyte

Date
Sampled

Time

Media/
Container

Preservative

4°C

Swab/Wipe Area
Units:

Air Volume
(L)

Minutes

101712+659-8068

PLM

10/17

beg

n/a

n/a

B07A

B07B

B08

B09A

B09B

B10A

B10B

B11A

B11B

Relinquished By:

Stephany

Date/Time:

10/18/12 0900

Received By:

Helmut Erwin

Date/Time:

10/18/12 1130

Relinquished By:

Date/Time:

Received By:

Date/Time:

A Note to Customer: 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.



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

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

UNIVERSITY OF ROCHESTER

City of Rochester
Address:

Client Project: Survey of
Old Police Dept.

Client PO:

Turnaround Time
(select one)

☐ 3 hours* ☐ 6-8 hours* ☐ 24 hours* ☐ 48 hours* ☐ 72 hours*
☐ 5 days ☒ 10 days ☐ Weekend ☐ Other: _____

Sample Matrix Type
(select one)

☒ Air ☐ Bulk ☐ Soil
☐ Aqueous ☐ Oil ☐ Solid
☐ Agar (biostrip) ☐ Paint ☐ Swab
☐ Agar (plate) ☐ Sludge ☐ Tape Lift

Comments:

Phone:

Fax:

Attention:

Sampled By:

SMC

Email:

Sample Identification

Analysis

Date Sampled

Time

Media/
Container

Preservative

4°C

Swab/Wipe Area
Units:

Air Volume
(L)

Minutes

PLM

10/17

B28

n/a

n/a

B12A

B2B

B13

B14A

B14B

B14C

B14D

B14E

B14F

B15A

Relinquished By:

Steph Knight

Date/Time:

10/18/12 0900

Relinquished By:

Received By:

Heather Enzu

Date/Time:

10/18/12 1130

A Note to Customer: 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.



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

COMMUNAL CO.

City of Rochester
Address:

Client Project: Survey of
old Bldg. Dept.

Client PO:

Turnaround Time
(select one)

☐ 3 hour* ☐ 6-8 hour* ☐ 24 hour* ☐ 48 hour* ☐ 72 hour*
☐ 5 days ☒ 10 days ☐ Weekend ☐ Other: _____

Sample Matrix Type
(select one)

☐ Air ☒ Bulk ☐ Soil
☐ Aqueous ☐ Oil ☐ Solid
☐ Agar (biostrip) ☐ Paint ☐ Swab
☐ Agar (plate) ☐ Sludge ☐ Tape Lift

Water, dripping or waste

Wipe

Wipe composite

Other:

Comments:

Phone:

Fax:

Attention:

Sampled By:

SMC

email:

Sample Identification

Analysis

Date Sampled

Tons

Media/ Container

Preservative

4°C

Swab/Wipe Area
Units:

Air Volume
(L)

Minutes

Sample Identification	Analysis	Date Sampled	Tons	Media/ Container	Preservative	4°C	Swab/Wipe Area Units:	Air Volume (L)	Minutes
101712+657-B15B	PLM	10/17	-	bag	-	-	-	N/A	N/A
B16A									
B16B									
B17A									
B17B									
B18A									
B18B									
B19A									
B19B									
B20A									

Relinquished By:

Steph. K. [Signature]

Relinquished By:

Date/Time: 10/18/12 0900

Received By:

[Signature]

Received By:

Date/Time:

10/18/12 1136

Date/Time:

A Note to Customer: 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.

Page: 4 of 10



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

20 Chancell 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
Address:

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

Turnaround Time
(select one)

☐ 3 hours* ☐ 6-8 hours* ☐ 12-24 hours* ☐ 48 hours* ☐ 72 hours*
☒ 15 days ☐ 10 days ☐ Weekend ☐ Other: _____

Sample Matrix Type
(select one)

☐ Air ☒ Bulk ☐ Soil
☐ Aqueous ☐ Oil ☐ Solid
☐ Agar (biostrip) ☐ Paint ☐ Swab
☐ Agar (plate) ☐ Sludge ☐ Tape Lift

Attention:

Phone:

Fax:

Sampled By:

SMC

email:

Comments:

Sample ID #

Sample Identification

Analysis

Date Sampled

Time

Media/
Container

Preservative

4°C

Swab/Wipe Area

Unit:

Air Volume

(L)

Minutes

Samples collected in good condition? ☐ Yes ☐ No

Relinquished By:

Stephany...

Date/Time

10/18/12 0900

Relinquished By:

Heather...

Date/Time

10/18/12 1130

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

A Note to Customer: 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.

APPENDIX B

ANALYTICAL RESULTS

Lead-Based Paint



EHS
Laboratories

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 Wt.	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	

Client Number: 201023

Report Number: 12-10-02803

Project/Test Address: Survey Old PD 12-1659; Rochester, NH

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
-------------------	----------------------	---------------------	------------------	-------------	--------------

Sample Narratives:

L04: Sample contains substantial amounts of substrate 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/cm². 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/cm³ 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.

LEGEND

Pb= lead

ug = microgram

ppm = parts per million

ug/g = micrograms per gram

Wt. = weight



EHS
Laboratories

Environmental Hazards Services, LLC

www.leadlab.com 7469 Whitepine Rd
(800) 347-4010 Richmond, VA
(804) 275-4907 (fax) 23237

Lead

Chain-of-Custody

12-10-02803



Due Date:

10/24/2012

(Wednesday)

EL



Company Name: Scott Lawson Group Address: 20 Cheneil Dr. City/State/Zip: Concord NH 03301

Phone: (603) 228 3610 Fax: () E-mail: henzinc@slg.com Acct. Number: 201023

Project Name / Testing Address: Survey 01A PD 12-1659 City/State (Required): Rochester NH

Collected by: _____ Certification Number: _____ Purchase Order Number: _____

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

Turn Around Time (TAT) ☐ 1-Day ☒ 3-Day ☐ Same Day (Must Call Ahead) ☐ Weekend (Must Call Ahead) If no TAT is specified, sample(s) will be processed and charged as 3-Day TAT.	Sample Type			Abbreviations		Surface Type for Dust Wipe	
	Single Dust Wipe = DW	Soil = S	Paint Chip = PC	Air = A	FR = Family Room	0 = Basement	FL = Floor
	Composite Soil = CS				R = Living Room <td>KT = Kitchen <td>CP = Carpet </td></td>	KT = Kitchen <td>CP = Carpet </td>	CP = Carpet
					LN = Left <td>BA = Bath <td>SL = Window Sill </td></td>	BA = Bath <td>SL = Window Sill </td>	SL = Window Sill
					DR = Dining Room <td>BR = Bedroom <td>WW = Window Well </td></td>	BR = Bedroom <td>WW = Window Well </td>	WW = Window Well
					1 = 1st Fl <td>2 = 2nd Fl <td></td> </td>	2 = 2nd Fl <td></td>	

No.	Sample Type	Date Collected	Client Sample ID	Collection Location (LR, KT, LIFBR, RTBR, etc.)	Surface Type	Area Length X Width in inches (Provide paint chip area only if requesting mg/m ²)	Paint Chip		Air Flow Rate (L/min)	Total Time (minutes)	Volume (Total Liters)	Comments
							1	2				
1	PC	10/17/12	10712-1659-TA	N	T	I			X			
2			B101-BR	O	W	N			X			
3			B102-WH	I	T	E			X			
4			B103-WH	I	T	E			X			
5			B104-OL	I	V	E			X			
6			B105-WH	I	T	E			X			
7			B106-WH	I	T	E			X			
8												
9												
10												

Released by: Helen Entz Signature: Helen Entz Date/Time: 10/18/12 130

Received by: CS Signature: CS Date/Time: 10-19-12

APPENDIX C

ANALYTICAL RESULTS

Polychlorinated Biphenyls



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 COC 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 cursive script that reads "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 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: BC86434

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	%	10/19/12		E160.3
Caulk Extraction for PCB	Completed			10/19/12	BB/K	SW3540C

PCB (Soxhiet)

PCB-1016	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

QA/QC Surrogates

% DCBP	79	%	10/22/12	AW	30 - 150 %
% TCMX	55	%	10/22/12	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

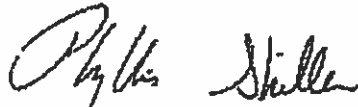
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

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) 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: BC86435

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	%	10/19/12		E160.3
Caulk Extraction for PCB	Completed			10/19/12	BB/K	SW3540C

PCB (Soxhlet)

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-1260	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1262	ND	740	ug/Kg	10/22/12	AW	3540C/8082
PCB-1268	ND	740	ug/Kg	10/22/12	AW	3540C/8082

QA/QC Surrogates

% DCBP	54	%	10/22/12	AW	30 - 150 %
% TCMX	29*	%	10/22/12	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

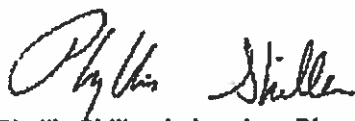
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

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.
587 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	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100	1	%	10/19/12		E160.3
Caulk Extraction for PCB	Completed			10/19/12	BBK	SW3540C

PCB (Soxhlet)

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

QA/QC Surrogates

% DCBP	58	%	10/22/12	AW	30 - 150 %
% TCMX	31	%	10/22/12	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

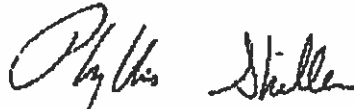
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

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) 645-1102 Fax (860) 645-0823



QA/QC Report

October 24, 2012

QA/QC Data

SDG I.D.: GBC86434

Parameter	Blank	LCS %	LCSD %	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-1016	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	86	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

LCSD - 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

SampNo Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL Analysis
Criteria Units

Sample Criteria Exceedences Report

GBC86434 - SCOTTLA

*** No Data to Display ***

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.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@pharmalabs.com Fax (860) 645-0823

Client Services (866) 545-8726

JOEY HU PANG

Invoice to: financial@sigl.com

并烟

Date: 10/18/12

Analysis Request

Irrix Code:
 I=drinking water
 G=groundwater
 W=wastewater
 S=solid
 A=air
 O=oil
 X=other

WWW=www.seawater **Seawater** **Seawater** **Seawater**
SL=solid **Solid** **Solid** **Solid**

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
---------------------	-----------------------------------	------------------	-----------------	-----------------

86434	10/17/2-1659-331	S	10/17/12
-------	------------------	---	----------

86435	-802	1	1	1
-------	------	---	---	---

86436	-B03	L	L
-------	------	---	---

[illegible]

A blank coordinate grid with x and y axes ranging from -5 to 5. The grid lines are spaced at intervals of 1 unit. The x-axis is labeled with integers from -5 to 5, and the y-axis is labeled with integers from -5 to 5. The origin (0,0) is at the center of the grid.

--	--	--	--	--

--	--	--	--	--	--

--	--	--	--	--

[illegible][illegible]

Acquired by:	Accepted by:	Date:
100123 H003		

[illegible]

0

ments, Special Requirements or Regulations:

FD-302 (Rev. 11-27-70)

Phoenix Std Report

Figure 1

APPENDIX D

BULK SAMPLING METHODOLOGY

BULK SAMPLING METHODOLOGY

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.



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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? <u>N/A</u>				
	wrist	elbow	shoulder	ankle
Right				
Left				