The Vertex Companies, Inc.
400 Libbey Parkway
Weymouth, MA 02189
PHONE 781.952.6000 | FAX 781.335.3543
www.vertexeng.com

January 26, 2015

Town of Sudbury
40 Fairbanks Road
Sudbury, MA 01776
Attention: Mr. Jim Kelly

Reference: **Pre-Renovation/Demolition Inspection Report**
Former Sudbury Police Department
415 Boston Post Road
Sudbury, Massachusetts
VERTEX Project No. 38075

Dear Mr. Kelly:

The Vertex Companies, Inc. (VERTEX) is pleased to provide you with this letter report summarizing the visual inspection and bulk sampling results from the Pre-Renovation/Demolition Inspection performed at the Former Sudbury Police Department in Sudbury, Massachusetts (the Site).

The purpose of the inspection was to identify Asbestos-Containing Materials (ACMs), Lead painted surfaces and/or regulated materials which may be required to be removed prior to or properly managed during renovation/demolition activities.

Asbestos Containing Materials Inspection

The ACM inspection and bulk sample collection was conducted by Massachusetts Certified Asbestos Inspectors, Jason Mohre (AI000262) and Vincent Agostino (AI062105) on January 20th, 2015. A total of seventy-three (73) representative bulk samples of suspect building materials were collected and analyzed.

The collected bulk samples were submitted under a chain-of-custody to EMSL of Cinnaminson, NJ. The bulk samples were analyzed via Polarized Light Microscopy (PLM) in accordance with U.S. Environmental Protection Agency (EPA) 600/R-93/116 recommended protocol-using PLM. EMSL, New Jersey is accredited through the National Voluntary Laboratory Accreditation Program (#101048-0) and is a Massachusetts certified analytical laboratory (AA000048).

Bulk samples were collected and analyzed in order to determine the identity of suspect materials and their composition. Bulk samples were collected in the following sampling scheme which is derived from AHERA (40 CFR 763): For friable surfacing materials, 3, 5, 7, or 9 random samples were taken to determine asbestos content depending on the amount of material in the homogeneous area. For Thermal System Insulation (TSI) materials 3 or more samples were collected and analyzed to determine asbestos content. For friable and non-friable miscellaneous materials, 2 or more samples were collected and analyzed to determine asbestos content.

Please refer to Table I below which summarize the sample locations and analytical results. Please refer to **ATTACHMENT D** which includes the Laboratory Report.

Sample Locations and Results
Table I

Sample Number	Sample Description	Sample Location	Asbestos Content
B0120-1A	**9" Gray Floor Tile**	**Room 125**	**6 % Chrysotile**
B0120-1B	**9" Gray Floor Tile**	**Room 126**	**Positive Stop**
B0120-2A	9" Gray Floor Tile Mastic	Room 125	None Detected
B0120-2B	9" Gray Floor Tile Mastic	Room 126	None Detected
B0120-3A	12" Brown Spec Floor Tile	Hall/Lobby	None Detected
B0120-3B	12" Brown Spec Floor Tile	Main Hall 2	None Detected
B0120-4A	**12" Brown Spec Floor Tile Mastic**	**Hall/Lobby**	**7 % Chrysotile**
B0120-4B	**12" Brown Spec Floor Tile Mastic**	**Main Hall 2**	**Positive Stop**
B0120-5A	12" Beige Spec Floor Tile	Room 108	None Detected
B0120-5B	12" Beige Spec Floor Tile	Room 119	None Detected
B0120-6A	**12" Beige Spec Floor Tile Mastic**	**Room 108**	**2 % Chrysotile**
B0120-6B	**12" Beige Spec Floor Tile Mastic**	**Room 119**	**Positive Stop**
B0120-7A	**White Sink Coating**	**Room 120**	**6 % Chrysotile**
B0120-7B	**White Sink Coating**	**Room 120**	**Positive Stop**
B0120-8A	**Black Sink Coating**	**Room 114**	**2 % Chrysotile**
B0120-8B	**Black Sink Coating**	**Room 114**	**Positive Stop**
B0120-9A	Black Cove Base	Room 125	None Detected
B0120-9B	Black Cove Base	Room 114	None Detected
B0120-10A	*Black Cove Base Glue*	*Room 125*	*Trace (<1% Chrysotile)*
B0120-10B	Black Cove Base Glue	Room 114	None Detected
B0120-11A	Beige Cove Base	Room 108	None Detected
B0120-11B	Beige Cove Base	Room 120	None Detected
B0120-12A	Beige Cove Base Glue	Room 108	None Detected
B0120-12B	Beige Cove Base Glue	Room 120	None Detected
B0120-13A	Brown Stair Tread	Main Hall 2	None Detected
B0120-13B	Brown Stair Tread	Main Hall 2	None Detected
B0120-14A	Brown Stair Tread Glue	Main Hall 2	None Detected
B0120-14B	Brown Stair Tread Glue	Main Hall 2	None Detected
B0120-15A	Caulking Insulation	Foyer Entrance	None Detected
B0120-15B	Caulking Insulation	Foyer Entrance	None Detected
B0120-16A	1x1 Acoustical Ceiling Drop - Busy	Foyer Entrance	None Detected
B0120-16B	1x1 Acoustical Ceiling Drop - Busy	Room 109	None Detected

Sample Locations and Results
Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
B0120-17A	1x1 Acoustical Ceiling Drop - Rough	Room 117	None Detected
B0120-17B	1x1 Acoustical Ceiling Drop - Rough	Room 118	None Detected
B0120-18A	Building Expansion Caulking	Main Hall 3	None Detected
B0120-18B	Building Expansion Caulking	Main Hall 3	None Detected
B0120-19A	**Acoustical Plaster Ceiling Skim Coat**	**Room 126**	**3 % Chrysotile**
B0120-19B	**Acoustical Plaster Ceiling Skim Coat**	**Hall/Lobby**	**Positive Stop**
B0120-19C	**Acoustical Plaster Ceiling Skim Coat**	**Room 125**	**Positive Stop**
B0120-19D	**Acoustical Plaster Ceiling Skim Coat**	**Mech Rm**	**Positive Stop**
B0120-19E	**Acoustical Plaster Ceiling Skim Coat**	**Mech Rm**	**Positive Stop**
B0120-20A	Acoustical Plaster Ceiling Base Coat	Room 126	None Detected
B0120-20B	Acoustical Plaster Ceiling Base Coat	Hall/Lobby	None Detected
B0120-20C	Acoustical Plaster Ceiling Base Coat	Room 125	None Detected
B0120-20D	Acoustical Plaster Ceiling Base Coat	Mech Rm	None Detected
B0120-20E	Acoustical Plaster Ceiling Base Coat	Mech Rm	None Detected
B0120-21A	Sheetrock	Lobby	None Detected
B0120-21B	Sheetrock	Room 118/117	None Detected
B0120-22A	Joint Compound	Lobby	None Detected
B0120-22B	Joint Compound	Room 110	None Detected
B0120-22C	Joint Compound	Room 117/118	None Detected
B0120-22D	Joint Compound	Room 130	None Detected
B0120-22E	Joint Compound	Mech 1	None Detected
B0120-23A	**Joint Compound**	**Attic / Main Hall**	**3 % Chrysotile**
B0120-23B	**Joint Compound**	**Attic / Main Hall**	**Positive Stop**
B0120-23C	**Joint Compound**	**Attic / Main Hall**	**Positive Stop**
B0120-24A	Plaster Board	Hall Lobby	None Detected
B0120-24B	Plaster Board	Room 126	None Detected
B0120-25A	**Interior Window Glazing**	**Room 125**	**2 % Chrysotile**
B0120-25B	**Interior Window Glazing**	**Room 126**	**Positive Stop**
B0120-26A	**Fitting Insulation**	**Mech Rm**	**40 % Chrysotile**
B0120-26B	**Fitting Insulation**	**Mech Rm**	**Positive Stop**
B0120-26C	**Fitting Insulation**	**Attic/Off Main Hall**	**Positive Stop**
B0120-26D	**Fitting Insulation**	**Attic/Off Main Hall**	**Positive Stop**
B0120-26E	**Fitting Insulation**	**Attic/Off Main Hall**	**Positive Stop**

Sample Locations and Results
Table I (Continued)

Sample Number	Sample Description	Sample Location	Asbestos Content
B0120-27A	Pipe Insulation	Mech Rm	None Detected
B0120-27B	Pipe Insulation	Mech Rm	None Detected
B0120-27C	Pipe Insulation	Mech Rm	None Detected
B0120-28A	Textured Ceiling	Exterior / Front Entrance	None Detected
B0120-28B	Textured Ceiling	Exterior / Front Entrance	None Detected
B0120-28C	Textured Ceiling	Exterior / Front Entrance	None Detected
B0120-29A	Building Caulking	Exterior / Building	None Detected
B0120-29B	Building Caulking	Exterior / Building	None Detected
B0120-30A	Window Caulking	Exterior / Building	None Detected
B0120-30B	Window Caulking	Exterior / Building	None Detected
B0120-31A	Roofing Shingle	Exterior / Roof	None Detected
B0120-31B	Roofing Shingle	Exterior / Roof	None Detected
B0120-32A	Roof Shingle Paper	Exterior / Roof	None Detected
B0120-32B	Roof Shingle Paper	Exterior / Roof	None Detected
B0120-33A	Sulfur Board	Pipe Chase	None Detected
B0120-33B	Sulfur Board	Pipe Chase	None Detected
B0120-34A	Sulfur Board Glue	Pipe Chase	None Detected
B0120-34B	Sulfur Board Glue	Pipe Chase	None Detected
B0120-35A	Gray Stair Tread	Side Entry	None Detected
B0120-35B	Gray Stair Tread	Side Entry	None Detected
B0120-36A	Gray Stair Tread Glue	Side Entry	None Detected
B0120-36B	Gray Stair Tread Glue	Side Entry	None Detected
B0120-37A	Carpet Glue	Side Entry	None Detected
B0120-37B	Carpet Glue	Side Entry	None Detected

Notes:
Bold indicates representative bulk sample analyzed positive for Asbestos (>1% asbestos containing)
Positive Stop indicates representative bulk sample analyzed positive for Asbestos

Italiced= Based on the representative sample collected and analyzed the laboratory reported one of homogenous sample of the Black Covebase Adhesive as Trace Asbestos-Containing (less than 1% Asbestos by Polarized Light Microscopy (PCM)). The removal of this material is regulated under Occupational Health and Safety Administration (OSHA) regulations. In addition, the Massachusetts Department of Environmental Protection (MassDEP) defines trace materials as Asbestos-Containing Waste Material (ACWM) and as such the disposal of the material is regulated.

Please refer to **ATTACHMENT A** which includes an inventory of the identified ACMs as well as their locations and estimated quantities.

Regulated Materials Inspection

VERTEX concurrently performed a regulated materials/universal waste inspection throughout the Former Sudbury Police Building. The inspection involved identifying light ballasts and fluorescent tubes within the facility as well as other potential hazardous materials such as mercury switches, emergency light/exit sign batteries, etc. Please refer to **ATTACHMENT B** which summarizes the Regulated Materials identified as well as their locations.

Paint Chip Sampling and Lead Analysis

In addition, VERTEX performed paint chip sampling of several painted surfaces that may be impacted during the proposed renovation/demolition activities of the Former Sudbury Police Building at 415 Boston Post Road. VERTEX collected a total of four (4) representative paint chip samples that differed in color and/or substrates. The collected representative paint chip samples were submitted under a chain-of-custody to a licensed laboratory (EMSL Analytical, Inc., Cinnaminson, NJ) for lead analysis (EPA SW-846-3050B/7420). Please refer to **ATTACHMENT D**, which includes the laboratory analytical results. Please refer to Table II below for a summary of the paint chip sample results.

Sample Locations and Results
Table II

Sample Number	Paint Chip Color	Sample Location	Substrate	Lead Concentration (% by Weight)
PC-120-01	White	Interior Wall	CMU	< 0.010 %
PC-120-02	Tan	Interior Wall	CMU	< 0.010 %
PC-120-03	Off-White	Interior Wall	Drywall	< 0.010 %
PC-120-04	Red	Exterior Trim	Wood	< 0.014 %

Concentrations of lead were not detected within the representative paint chip samples collected and analyzed.

Conclusions and Recommendations

Based on the observations made during the inspection and review of the attached analytical results, it has been determined that the following materials are asbestos-containing:

9" Gray Floor Tile and Mastic (336 ft^2)
12" x 12" Beige Spec Floor Tile Mastic (1,058 ft^2)
12" x 12" Brown Spec Floor Tile Mastic (2,252 ft^2)
Acoustical Ceiling Plaster Skim Coat (1,000 ft^2)
Joint Compound (2,700 ft^2)
Pipe Fitting Insulation (151 Units)
Black Sink Mastic (1 Unit)
White Sink Mastic (1 Unit)

In addition, the Black Covebase Adhesive was identified as Trace Asbestos-Containing (less than 1% Asbestos by PLM). The removal of this trace material is regulated under OSHA regulations regarding health and safety. The disposal of trace asbestos-materials are regulated under MassDEP regulations.

As such, VERTEX recommends retaining a Massachusetts Certified Asbestos Abatement Contractor to properly abate and dispose of the identified ACMs and ACWMs prior to any renovation/demolition activities that may impact and/or disturb the material in accordance with federal, Commonwealth and local regulations.

In addition, VERTEX recommends that the identified regulated materials be properly packaged, removed and disposed/recycled in accordance with federal, Commonwealth and local regulations.

Reasonable efforts were made to determine the locations and quantities of ACMs and regulated materials. In the event additional suspect materials are discovered during future renovation activities, VERTEX recommends collecting/analyzing samples of the materials for asbestos content prior to disturbance.

Based on the observed ACM and Regulated Materials identified, VERTEX provides the following cost estimates for budgeting purposes. The estimates provided below are calculated utilizing current abatement contractor unit costs and environmental consulting rates. These estimates will vary according to competitive bidding, accessibility, location, and condition of ACMs/Regulated Materials, phasing of work, etc.

Estimated Cost for the Removal of the Identified ACMs: $42,500.00

Estimated Cost for the Removal of the Identified Regulated Materials: $2,800.00

Estimated Cost for Asbestos Abatement Specification Preparation: $2,500.00

Limitations

Professional opinions presented in this summary letter are based on information made available to VERTEX either by review of data provided by others or data gained by VERTEX personnel.

VERTEX affirms that data gathered and presented by VERTEX in this summary letter was collected in an appropriate manner in accordance with generally accepted methods and practices. VERTEX cannot be responsible for decisions made by our client solely on the basis of economic factors.

Conditions described in this summary letter were observed at the time of the inspection, unless otherwise stated.

VERTEX observed only the conditions and locations described in the summary letter at the time indicated.

VERTEX analyzed only the substances, conditions, and locations described in the report at the time indicated

Please do not hesitate to contact us at your convenience, should you have any questions or comments regarding this summary letter or our recommendations.

Sincerely,
The Vertex Companies, Inc.,

Jason Mohre
Senior Project Manager

Vincent Agostino
Division Manager

Attachments:

Attachment A: Locations of the Identified Asbestos-Containing Materials
Attachment B: Locations of the Identified Regulated Materials
Attachment C: Schematic
Attachment D: EMSL Analytical PLM Analysis Laboratory Report
Attachment E: EMSL Analytical Lead Analysis Laboratory Report

ATTACHMENT A

LOCATIONS AND QUANTITIES OF THE IDENTIFIED ASBESTOS-CONTAINING MATERIALS

Attachment A
Locations of the Identified Asbestos-Containing Materials
Former Sudbury Police Building
415 Boston Post Road
Sudbury, MA

Location	Description	Estimated Quantity
	Interior	
Room 108	12" Beige Spec Floor Tile Mastic	96 ft^2
Room 125	9" Gray Floor Tile and Mastic (Under Carpet)	144 ft^2
	Acoustical Ceiling Plaster Skim Coat	144 ft^2
	Interior Window Glazing	2 Units
	**Black Covebase Adhesive*	*48 lf*
Room 126	9" Gray Floor Tile and Mastic (Under Carpet)	192 ft^2
	Acoustical Ceiling Plaster Skim Coat	192 ft^2
	Pipe Fitting Insulation	3 Units
	Interior Window Glazing	3 Units
	**Black Covebase Adhesive*	*13 lf*
Hall/Lobby	12" Brown Spec Floor Tile Mastic	150 ft^2
	Acoustical Ceiling Plaster Skim Coat	150 ft^2
	**Black Covebase Adhesive*	*20 lf*
Bath 1	Pipe Fitting Insulation (Assumed Behind Wall/Ceiling)	8 Units
	Acoustical Ceiling Plaster Skim Coat	81 ft^2
Foyer	12" Beige Spec Floor Tile Mastic	80 ft^2
Side Entry	12" Brown Spec Floor Tile Mastic (Under Carpet)	80 ft^2
	**Black Covebase Adhesive*	*40 lf*
Dispatch/Room 130	12" Brown Spec Floor Tile Mastic (Under Carpet)	144 ft^2
	Interior Window Glazing	2 Units
	**Black Covebase Adhesive*	*48 lf*
Operations/Room 106	12" Brown Spec Floor Tile Mastic (Under Carpet)	144 ft^2
	Interior Window Glazing	2 Units
Main Hall 1	12" Brown Spec Floor Tile Mastic	104 ft^2
	Acoustical Ceiling Plaster Skim Coat	104 ft^2
	Fire Hose (Assumed)	1 Unit
Interview/Room 135	12" Brown Spec Floor Tile Mastic (Under Carpet)	160 ft^2
	**Black Covebase Adhesive*	*42 lf*
Bath 2	Pipe Fitting Insulation (Assumed Behind Wall/Ceiling)	6 Units
	Acoustical Ceiling Plaster Skim Coat	60 ft^2
Mech Rm Hall/Room 137	12" Beige/Brown Spec Pattern Floor Tile Mastic	50 ft^2
	Acoustical Ceiling Plaster Skim Coat	50 ft^2
Mech Room 1 and 2	Acoustical Ceiling Plaster Skim Coat	160 ft^2
	Pipe Fitting Insulation	35 Units
Main Hall 2	12" Brown Spec Floor Tile Mastic	245 ft^2

Attachment A
Locations of the Identified Asbestos-Containing Materials
Former Sudbury Police Building
415 Boston Post Road
Sudbury, MA

Location	Description	Estimated Quantity
Interior		
Room 110	12" Beige Spec Floor Tile Mastic (Under Carpet)	48 ft^2
Room 109 and Storage	12" Beige Spec Floor Tile Mastic (Under Carpet)	300 ft^2
	Interior Window Glazing	2 Units
Room 111	12" Brown Spec Floor Tile Mastic	126 ft^2
Janitor Closet	12" Brown Spec Floor Tile Mastic	25 ft^2
Bath 3	Pipe Fitting Insulation (Assumed Behind Wall/Ceiling)	6 Units
Room 114	12" Beige Spec Floor Tile Mastic (Under Carpet)	150 ft^2
	Black Sink Mastic	1 Unit
Room 117/118	12" Brown Spec Floor Tile Mastic (Under Carpet)	640 ft^2
	12" Brown Spec Floor Tile Mastic	84 ft^2
	Interior Window Glazing	5 Units
Main Hall 3	12" Brown Spec Floor Tile Mastic	350 ft^2
Room 119	12" Beige Spec Floor Tile Mastic	192 ft^2
Room 120	12" Beige Spec Floor Tile Mastic	192 ft^2
	White Sink Mastic	1 Unit
	Interior Window Glazing	3 Units
Womens Locker/Room 121	Interior Window Glazing	2 Units
Mens Locker/Room 122	Interior Window Glazing	2 Units
Cell Block Area	Acoustical Ceiling Plaster Skim Coat	100 ft^2
	Pipe Fitting Insulation	1 Unit
Pipe Chase In Cell Area	Pipe Fitting Insulation	10 Units
Attic	Pipe Fitting Insulation	82 Units
	Drywall/Joint Compound	2,700 ft^2

Notes:
ft^2 = Square Feet
Units = Each
lf =Linear Feet

**Black Covebase Adhesive* = Based on the representative sample collected and analyzed the laboratory reported one of homogenous sample of the Black Covebase Adhesive as Trace Asbestos-Containing (less than 1% Asbestos by Polarized Light Microscopy (PCM)). The removal of this material is regulated under Occupational Health and Safety Administration (OSHA) regulations. In addition, the Massachusetts Department of Environmental Protection (MassDEP) defines trace materials as Asbestos-Containing Waste Material (ACWM) and as such the disposal of the material is regulated.

ATTACHMENT B

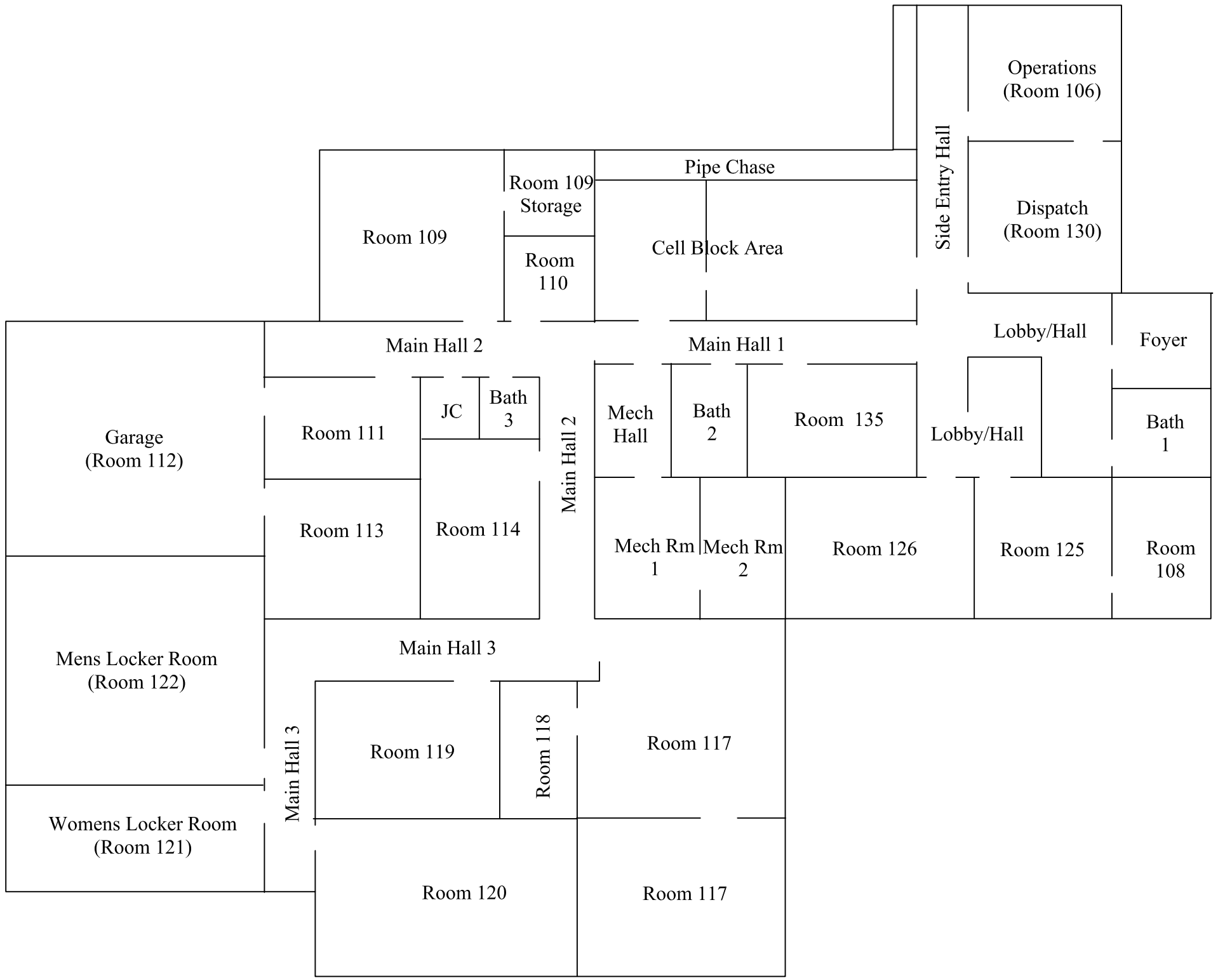
LOCATIONS AND QUANTITIES OF THE IDENTIFIED REGULATED MATERIALS

Attachment B Locations of the Identified Regulated Materials Former Sudbury Police Building-415 Boston Post Road Sudbury, MA		
Location	**Description**	**Quantity**
Interior		
Room 108	2’ Fluorescent Tubes	2
	PCB/Non-PCB Containing Ballasts	2
Room 125	4’ Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
Room 126	4’ Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
	Printers	3
	Computers	4
Hall/Lobby	4’ Fluorescent Tubes	10
	PCB/Non-PCB Containing Ballasts	5
	Exit Sign Battery	1
Bath 1	4’ Fluorescent Tubes	2
	2’ Fluorescent Tubes	2
	PCB/Non-PCB Containing Ballasts	2
Dispatch/Room 130	2’ Fluorescent Tubes	16
	PCB/Non-PCB Containing Ballasts	8
	Printer	1
	Computer	1
Operations/Room 106	4’ Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	2
	Printers	2
	Computers	2
	Wall Mounted A/C Unit	1
Main Hall 1	U-Tube Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	2
Interview/Room 135	4’ Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
Mech Rm Hall/Room 137	4’ Fluorescent Tubes	2
	PCB/Non-PCB Containing Ballast	1
Mech Room 1 and 2	4’ Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	2
	Fire Extinguisher	3
Main Hall 2	U-Tube Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
	Fire Extinguisher	3
	Exit Sign Battery	1

Attachment B Locations of the Identified Regulated Materials Former Sudbury Police Building-415 Boston Post Road Sudbury, MA		
Location	**Description**	**Quantity**
Interior		
Room 110	4’ Fluorescent Tubes	2
	1’ Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	5
Room 109 and Storage	4’ Fluorescent Tubes	10
	PCB/Non-PCB Containing Ballasts	5
Room 111	4’ Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
Garage	4’ Fluorescent Tubes	4
	8’ Fluorescent Tubes	3
	PCB/Non-PCB Containing Ballasts	6
	Fire Extinguisher	2
Garage Attic	4’ Fluorescent Tubes (Stored)	20
Room 113	4’ Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	2
Bath 3	2’ Fluorescent Tubes	2
	PCB/Non-PCB Containing Ballast	1
Room 114	4’ Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	2
Room 117/118	4’ Fluorescent Tubes	26
	PCB/Non-PCB Containing Ballasts	13
	Wall Mounted A/C Unit	2
	Emergency Light Battery	1
Main Hall 3	U-Tube Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
	Exit Sign Battery	1
	Mercury Thermostat	1
Room 119	U-Tube Fluorescent Tubes	8
	PCB/Non-PCB Containing Ballasts	4
Room 120	U-Tube Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	4
	Televisions	2
	Wall Mounted A/C Unit	1
Womens Locker/Room 121	4’ Fluorescent Tubes	4
	PCB/Non-PCB Containing Ballasts	2
	Wall Mounted A/C Unit	1
Mens Locker/Room 122	4’ Fluorescent Tubes	10
	PCB/Non-PCB Containing Ballasts	5
	Wall Mounted A/C Unit	1

ATTACHMENT C

SCHEMATIC



VERTEX®
400 LIBBY PARKWAY
WEYMOUTH, MA 02189
(T): 781.952.6000
VERTEXENG.COM

FORMER SUDBURY POLICE
BUILDING SCHEMATIC
415 Boston Post Road
Sudbury, MA

REVISIONS

Former Sudbury Police Building Schematic

Former Sudbury Police Building
415 Boston Post Road
Sudbury, MA

File No.:	38075
Date:	Jan. 2016
Drawn:	JM
Checked:	VA
Job No.:	38075

Figure 1

ATTACHMENT D

BULK SAMPLE ANALYSIS RESULTS BY PLM

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041601535
Customer ID: VERT51
Customer PO:
Project ID:

Attention: Vincent Agostino
Vertex Air Quality Services
400 Libbey Parkway
Weymouth, MA 02189

Phone: (781) 603-9542
Fax: (781) 335-3543
Received Date: 1/21/2016 11:20 AM
Analysis Date: 1/21/2016
Collected Date: 1/20/2016

Project: Former Sudbury Police Station / 415 Boston Port Road, Sudbury, MA / 38075 / Town of Sudbury

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
B0120-1A *041601535-0001*	1st Floor / Room 125 - 9" Gray Floor Tile	Gray Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
B0120-1B *041601535-0002*	1st Floor / Room 126 - 9" Gray Floor Tile				Stop Positive (Not Analyzed)
B0120-2A *041601535-0003*	1st Floor / Room 125 - 9" Gray Floor Tile Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-2B *041601535-0004*	1st Floor / Room 126 - 9" Gray Floor Tile Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-3A *041601535-0005*	1st Floor / Hall/Lobby - 12" Brown Spec Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-3B *041601535-0006* *Recommend TEM*	1st Floor / Main Hall 2 - 12" Brown Spec Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-4A *041601535-0007*	1st Floor / Hall/Lobby - 12" Brown Spec Floor Tile Mastic	Black Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
B0120-4B *041601535-0008*	1st Floor / Main Hall 2 - 12" Brown Spec Floor Tile Mastic				Stop Positive (Not Analyzed)
B0120-5A *041601535-0009*	1st Floor / Room 108 - 12" Beige Spec Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-5B *041601535-0010*	1st Floor / Room 119 - 12" Beige Spec Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-6A *041601535-0011*	1st Floor / Room 108 - 12" Beige Spec Floor Tile Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
B0120-6B *041601535-0012*	1st Floor / Room 119 - 12" Beige Spec Floor Tile Mastic				Stop Positive (Not Analyzed)
B0120-7A *041601535-0013*	1st Floor / Room 120 - White Sink Coating	White Non-Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
B0120-7B *041601535-0014*	1st Floor / Room 120 - White Sink Coating				Stop Positive (Not Analyzed)
B0120-8A *041601535-0015*	1st Floor / Room 114 - Black Sink Coating	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
B0120-8B *041601535-0016*	1st Floor / Room 114 - Black Sink Coating				Stop Positive (Not Analyzed)

Initial Report From: 01/25/2016 06:29:03

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041601535
Customer ID: VERT51
Customer PO:
Project ID:

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
B0120-9A *041601535-0017*	1st Floor / Room 125 - Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-9B *041601535-0018*	1st Floor / Room 114 - Black Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-10A *041601535-0019*	1st Floor / Room 125 - Black Cove Base Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
B0120-10B *041601535-0020*	1st Floor / Room 114 - Black Cove Base Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-11A *041601535-0021*	1st Floor / Room 108 - Beige Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-11B *041601535-0022*	1st Floor / Room 120 - Beige Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-12A *041601535-0023*	1st Floor / Room 108 - Beige Cove Base Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-12B *041601535-0024*	1st Floor / Room 120 - Beige Cove Base Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-13A *041601535-0025*	1st Floor / Main Hall 2 - Brown Stair Tread	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-13B *041601535-0026*	1st Floor / Main Hall 2 - Brown Stair Tread	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-14A *041601535-0027*	1st Floor / Main Hall 2 - Brown Stair Tread Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-14B *041601535-0028*	1st Floor / Main Hall 2 - Brown Stair Tread Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-15A *041601535-0029*	1st Floor / Foyer Entrance - Caulking Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-15B *041601535-0030*	1st Floor / Foyer Entrance - Caulking Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-16A *041601535-0031*	1st Floor / Foyer Entrance - 1x1 Acoustical Ceiling Drop - Busy	Gray Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
B0120-16B *041601535-0032*	1st Floor / Room 109 - 1x1 Acoustical Ceiling Drop - Busy	Gray Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
B0120-17A *041601535-0033*	1st Floor / Room 117 - 1x1 Acoustical Ceiling Drop - Rough	Gray Fibrous Homogeneous	50% Cellulose 20% Min. Wool	30% Non-fibrous (Other)	None Detected
B0120-17B *041601535-0034*	1st Floor / Room 118 - 1x1 Acoustical Ceiling Drop - Rough	Gray Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
B0120-18A *041601535-0035*	1st Floor / Main Hall 3 - Building Expansion Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 041601535
Customer ID: VERT51
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
B0120-18B *041601535-0036*	1st Floor / Main Hall 3 - Building Expansion Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-19A *041601535-0037*	1st Floor / Room 126 - Acoustical Plaster Ceiling Skim Coat	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
B0120-19B *041601535-0038*	1st Floor / Hall/Lobby - Acoustical Plaster Ceiling Skim Coat				Stop Positive (Not Analyzed)
B0120-19C *041601535-0039*	1st Floor / Room 125 - Acoustical Plaster Ceiling Skim Coat				Stop Positive (Not Analyzed)
B0120-19D *041601535-0040*	1st Floor / Mech Rm - Acoustical Plaster Ceiling Skim Coat				Stop Positive (Not Analyzed)
B0120-19E *041601535-0041*	1st Floor / Mech Rm - Acoustical Plaster Ceiling Skim Coat				Stop Positive (Not Analyzed)
B0120-20A *041601535-0042*	1st Floor / Room 126 - Acoustical Plaster Ceiling Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-20B *041601535-0043*	1st Floor / Hall/Lobby - Acoustical Plaster Ceiling Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-20C *041601535-0044*	1st Floor / Room 125 - Acoustical Plaster Ceiling Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-20D *041601535-0045*	1st Floor / Mech Rm - Acoustical Plaster Ceiling Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-20E *041601535-0046*	1st Floor / Mech Rm - Acoustical Plaster Ceiling Base Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-21A *041601535-0047*	1st Floor / Lobby - Sheetrock	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
B0120-21B *041601535-0048*	1st Floor / Room 118/117 - Sheetrock	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
B0120-22A *041601535-0049*	1st Floor / Lobby - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-22B *041601535-0050*	1st Floor / Room 110 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-22C *041601535-0051*	1st Floor / Room 117/118 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-22D *041601535-0052*	1st Floor / Room 130 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-22E *041601535-0053*	1st Floor / Mech 1 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-23A *041601535-0054*	Attic / Main Hall - Joint Compound	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

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EMSL Order: 041601535
Customer ID: VERT51
Customer PO:
Project ID:

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
B0120-23B *041601535-0055*	Attic / Main Hall - Joint Compound				Stop Positive (Not Analyzed)
B0120-23C *041601535-0056*	Attic / Main Hall - Joint Compound				Stop Positive (Not Analyzed)
B0120-24A *041601535-0057*	1st Floor / Hall Lobby - Plaster Board	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
B0120-24B *041601535-0058*	1st Floor / Room 126 - Plaster Board	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
B0120-25A *041601535-0059*	1st Floor / Room 125 - Interier Window Glazing	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
B0120-25B *041601535-0060*	1st Floor / Room 126 - Interier Window Glazing				Stop Positive (Not Analyzed)
B0120-26A *041601535-0061*	1st Floor / Mech Rm - Fitting Insulation	Brown/White Fibrous Homogeneous	20% Min. Wool	40% Non-fibrous (Other)	40% Chrysotile
B0120-26B *041601535-0062*	1st Floor / Mech Rm - Fitting Insulation				Stop Positive (Not Analyzed)
B0120-26C *041601535-0063*	Attic / Off Main Hallway - Fitting Insulation				Stop Positive (Not Analyzed)
B0120-26D *041601535-0064*	Attic / Off Main Hallway - Fitting Insulation				Stop Positive (Not Analyzed)
B0120-26E *041601535-0065*	Attic / Off Main Hallway - Fitting Insulation				Stop Positive (Not Analyzed)
B0120-27A *041601535-0066*	1st Floor / Mech Rm - Pipe Insulation	Gray/White Fibrous Homogeneous	15% Cellulose 40% Glass	45% Non-fibrous (Other)	None Detected
B0120-27B *041601535-0067*	1st Floor / Mech Rm - Pipe Insulation	White Fibrous Homogeneous	15% Synthetic 75% Glass	10% Non-fibrous (Other)	None Detected
B0120-27C *041601535-0068*	1st Floor / Mech Rm - Pipe Insulation	White Fibrous Homogeneous	20% Synthetic 50% Glass	30% Non-fibrous (Other)	None Detected
B0120-28A *041601535-0069*	Exterior / Front Entrance - Textured Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-28B *041601535-0070*	Exterior / Front Entrance - Textured Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-28C *041601535-0071*	Exterior / Front Entrance - Textured Ceiling	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-29A *041601535-0072*	Exterior / Building - Building Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-29B *041601535-0073*	Exterior / Building - Building Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 041601535
Customer ID: VERT51
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
B0120-30A *041601535-0074*	Exterior / Building - Window Caulking	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-30B *041601535-0075*	Exterior / Building - Window Caulking	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-31A *041601535-0076*	Exterior / Roof - Roofing Shingle	Brown/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
B0120-31B *041601535-0077*	Exterior / Roof - Roofing Shingle	Brown/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
B0120-32A *041601535-0078*	Exterior / Roof - Roof Shingle Paper	Black Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
B0120-32B *041601535-0079*	Exterior / Roof - Roof Shingle Paper	Black Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
B0120-33A *041601535-0080*	1st Floor / Pipe Chase - Sulfer Board	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-33B *041601535-0081*	1st Floor / Pipe Chase - Sulfer Board	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-34A *041601535-0082*	1st Floor / Pipe Chase - Sulfer Board Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-34B *041601535-0083*	1st Floor / Pipe Chase - Sulfer Board Glue	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-35A *041601535-0084*	1st Floor / Side Entry - Gray Stair Tread	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-35B *041601535-0085*	1st Floor / Side Entry - Gray Stair Tread	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-36A *041601535-0086*	1st Floor / Side Entry - Gray Stair Tread Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-36B *041601535-0087*	1st Floor / Side Entry - Gray Stair Tread Glue	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-37A *041601535-0088*	1st Floor / Side Entry - Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B0120-37B *041601535-0089*	1st Floor / Side Entry - Carpet Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Customer ID: VERT51
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Project ID:

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**

Analyst(s)

Adam Eichen (12)
Brett Poulton (28)
Felix Anusiem (14)
Frank Dicrescenzo (9)
Seri Smith (10)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Initial Report From: 01/25/2016 06:29:03

OrderID: 041601535

041601535

VERTEX™
Bulk Sampling Log Form

Project Name. Former Sudbury Police Station 415 Boston Post Rd Sudbury MA Project # 38075 Page 1 of 8

Client. Town of Sudbury Date 1-20-16 Inspector VAJOSEPH JMOHAR

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Police station	1ST	125	9" Gray Floor Tile	B0120 - 1A		
		126	↓	B0120 - 1B		
		125	9" Gray Floor Tile Mastic	B0120 - 2A		
		126	↓	B0120 - 2B		
		Hall/ Lobby	12" Brown spec Floor Tile	B0120 - 3A		
		main Hall 2	↓	B0120 - 3B		
		Hall/ Lobby	12" Brown spec Floor Tile mastic	B0120 - 4A		
		main Hall 2	↓	B0120 - 4B		
		Rm 108	12" Beige spec Floor Tile	B0120 - 5A		
		119	↓	B0120 - 5B		
		108 Rm	12" Beige spec Floor tile mastic	B0120 - 6A		
		119	↓	B0120 - 6B		

16 JAN 21 PM 12:27 CHANCHINSON NJ

Delivered By	Date	#Samples	Received By	Date	Time	# Samples
	1/20/16	89	BBeatty EMDell	1/21/16	1120	

* analyze for asbestos * 72HR TAT * Positive Stop * Email Vince- Jason w/Results

89 P.

041601535

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Bulk Sampling Log Form

Project Name: Former Sudbury police station 415 Boston Post Rd Project #: 38075 Page: 2 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: VAscucci JMorrone

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Police station	1ST	120	White sink coating	B0120 - 7A		-
		120	↓	B0120 - 7B		-
		RM 114	Black sink coating	B0120 - 8A		-
		RM 114	↓	B0120 - 8B		-
		125	Black Cove base	B0120 - 9A		-
		114	↓	B0120 - 9B		-
		125	Black cove base glue	B0120 - 10A		-
		114	↓	B0120 - 10B		-
		108	Beige cove base	B0120 - 11A		-
		120	↓	B0120 - 11B		-
		108	Beige cove base glue	B0120 - 12A		-
		120	↓	B0120 - 12B		-

16 JAN 21 AM 12:27 CLARKSTON, NJ

Delivered By	Date	#Samples	Received By	Date	Time	# Samples

041601535

VERTEX™

Bulk Sampling Log Form

Project Name: Former Sudbury Police Station 415 BPR Sudbury MA Project #: 38075 Page: 3 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: V. Alosto / JMcHale

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Police Station	1ST	Main Hall 2	Brown Tred ↑ Stair	B0120 - 13A		
↓	↓	↓	↓	B0120 - 13B		
			Brown Stair Tred Glue	B0120 - 14A		
		↓	↓	B0120 - 14B		
		Foyer Entrance	Caulking Interior	B0120 - 15A	metal on-Brick metal on block	
		↓	↓	B0120 - 15B		
		↓	1x1 Acoustical ceiling drop - Rust	B0120 - 16A		
		109	↓	B0120 - 16B		
		117	1x1 Acoustical ceiling drop east	B0120 - 17A		
		118	↓	B0120 - 17B		
		Main Hall - 3	Building Expansion Caulking	B0120 - 18A		
↓	↓	↓	↓	B0120 - 18B		

Delivered By	Date	#Samples	Received By	Date	Time	# Samples

16 JAN 21 PM 12:27 CINNAMINSON, NJ

041601535

VERTEX™
Bulk Sampling Log Form

Project Name: Former Sudbury Police Station 415 BPR Sudbury MA Project #: 38075 Page: 4 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: VM JMOORE

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former police station	1st	126	Acoustical plaster ceiling skim coat	B0120-19A		-
		HALL/ Lobby		B0120-19B		-
		125		B0120-19C		-
		mech Rm		B0120-19d		-
		↓	↓	B0120-19E		-
		126	A coustical Plaster ceiling Base coat	B0120-20A		-
		HALL/ Lobby		B0120-20B		-
		125		B0120-20C		-
		mech Rm		B0120-20d		-
		↓	↓	B0120-20E		-
		Lobby	Sheet Rock	B0120-21A		-
↓	↓	118/117	↓	B0120-21B		-

Delivered By	Date	#Samples	Received By	Date	Time	#Samples

16 JAN 21 PM 12:27

041601535

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Bulk Sampling Log Form

Project Name: Former Police Station Sudbury 41T - BPR Subsurface Project #: 38075 Page: 5 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: KAJOSEVO JMOORE

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Police Station	1ST	Lobby	Joint Compound	B0120 22A		
↓	↓	110	↓	B0120 -22B		
		117/118		B0120 -22C		
		130		B0120 22D		
	↓	Mech 1	↓	B0120 - 22E		
	ATTIC	MAIN HALL	Joint compound	B0120 - 23A		
	↓	↓	↓	B0120 -23B		
	↓	↓	↓	B0120 23 C		
	1ST	HALL LOBBY	Plaster Board	B0120 - 24A		
	↓	126	↓	B0120 -24B		
	1ST	125	Interior window Glazing	B0120 -25A	old windows	
↓	1ST	126	↓	B0120 -25B		

16 JAN 21 PM 12:27

Delivered By	Date	#Samples	Received By	Date	Time	# Samples

041601535

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Bulk Sampling Log Form

Project Name: Former Sudbury Police Station 9/15 BPR Project #: 08075 Page: 6 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: V Ayoso-Cano / J Moore

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Police Station	1ST	mech rm	Fitting Insulation	B0120-26A		X
↓	↓	↓	↓	B0120-26B		X
	ATTIC	OFF MAIN HALLWAY		B0120 26C		X
	↓	↓		B0120 26D		X
	↓	↓	↓	B0120 26E		X
	1st	mech RM	PIPE INSULATION	B0120-27A		X
	↓	↓	↓	B0120-27B		X
	↓	↓	↓	B0120-27C		X
	Exterior	Front Entrance	Textured ceiling	B0120-28A		X
	↓	↓	↓	B0120-28B		X
	↓	↓	↓	B0120-28C		X
↓	Exterior	Building	Building caulking	B0120-29A		X

16 JAN 21 PM 12:27

Delivered By	Date	#Samples	Received By	Date	Time	# Samples

041601535

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Bulk Sampling Log Form

Project Name: Former Sudbury police Station 415 BPR System MA Project #: 38075 Page: 7 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: VADSTED JMOHAR

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Sudbury PS	Exterior	Building	Building caulking	B0120-29B		1
			Window caulking	B0120-30A		1
		↓	↓	B0120 30B		1
		Roof	Roofing shingle	B0120-31A		1
			↓	B0120-31B		1
			Roof shingle PAPER	B0120-32A		1
	↓	↓	↓	B0120 32B		1
	1ST	Pipe CHASE	Sulfer Board	B0120-33A		1
			↓	B0120-33B		1
			Sulfer Board glue	B0120-34A		1
	↓	↓	↓	B0120-34B		1
↓	1ST	Side Entry	Gray stair tred	B0120-35A		1

Delivered By	Date	#Samples	Received By	Date	Time	#Samples

16 JAN 21 PM 12:27 CINNAMINSON, NJ

041601535

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Bulk Sampling Log Form

Project Name: Former - Sudbury PS Station Project #: 38075 Page: 8 of 8

Client: Town of Sudbury Date: 1-20-16 Inspector: V Agostinelli / J Moore

Building	Floor	Room	Description	Field #	Comments	Fri / Non-Fri
Former Robert PS	1st	side entry	Gray stair tred	B0120-35B		
↓	↓	↓	Gray stair tred glue	B0120-36A		
↓	↓	↓	↓	B0120-36B		
↓	↓	↓	Carpet glue	B0120-37A		
↓	↓	↓	↓	B0120-37B		

Delivered By	Date	#Samples	Received By	Date	Time	#Samples

16 JAN 21 PM 2:27

ATTACHMENT E

PAINT CHIP SAMPLE RESULTS

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201600733
CustomerID:	VERT51
CustomerPO:	38075
ProjectID:	

Attn: **Jason Mohre**
Vertex Air Quality Services
400 Libbey Parkway

Weymouth, MA 02189

Phone:	(781) 952-6000
Fax:	(781) 335-3543
Received:	01/21/16 11:40 AM
Collected:	1/20/2016

Project: **Sudbury / 38075**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
PC-12001	*201600733-0001*	1/20/2016	1/25/2016	<0.010 % wt
	Site: White Paint on CMU			
PC-12002	*201600733-0002*	1/20/2016	1/25/2016	<0.010 % wt
	Site: Tan Paint on CMU			
PC-12003	*201600733-0003*	1/20/2016	1/25/2016	<0.010 % wt
	Site: Off- White Paint on Drywall			
PC-12004	*201600733-0004*	1/20/2016	1/25/2016	<0.014 % wt
	Site: Red Paint on Exterior Trim			

The % RPD and the % MS fell outside the method control limits (high). All other QC results met criteria.

William E. Chamberlin

Bill Chamberlin, Laboratory Director
or other approved signatory
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 01/25/2016 16:26:25

OrderID: 201600733

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only):* 201600733

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
FAX: (856) 786-5974

Company : The VERTEX Companies, Inc.	**EMSL-Bill to:** ☑ Different ☐ Same If Bill to is Different note instructions in Comments**
Street: 398 Libbey Parkway	*Third Party Billing requires written authorization from third party*
City: Weymouth **State/Province:** MA	**Zip/Postal Code:** 02189 **Country:** United States
Report To (Name): Jason Mohre/Vince Agostino	**Telephone #:** 781-952-6000
Email Address: jmohre@vertexeng.com/vagostino@vertexeng.com	**Fax #:** 781-335-3543 **Purchase Order:** 38075
Project Name/Number: Sudbury/38075	**Please Provide Results:** ☐ FAX ☑ E-mail ☐ Mail
U.S. State Samples Taken: MA	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour | ☐ 6 Hour | ☐ 24 Hour | ☐ 48 Hour | ■ 72 Hour | ☐ 96 Hour | ☐ 1 Week | ☐ 2 Week

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ■ % by wt. ☐ mg/cm² ☐ ppm	SW846-7000B	Flame Atomic Absorption	0.01%	x
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	
Wipe* ASTM ☐ non ASTM ☐ *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	
Wastewater Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	
Drinking Water Unpreserved ☐ Preserved with HNO_3 pH < 2 ☐	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	
Other:				

Name of Sampler: Jason Mohre **Signature of Sampler:**

	Sample #	Location	Volume/Area	Date/Time Sampled
1	PC-120-01	White Paint on CMU	Paint Chip	1/20 12:00
2	PC-120-02	Tan Paint on CMU		12:05
3	PC-120-03	Off-white Paint on Drywall		12:10
4	PC-120-04	Red Paint on Exhaust Fan		12:15

Client Sample #'s PC-120- **Total # of Samples:** 4

Relinquished (Client): Clint Mc **Date:** 1/20/16 **Time:**

Received (Lab): **Date:** 1/21/16 **Time:** 1140 Fedex EMSL

Comments:

BillTo: The VERTEX Companies, Inc. 398 Libbey Parkway, Weymouth, MA, 02189, United States
Attention: Erik Borgesen Phone: 781-952-6000 Email: eborgesen@vertexeng.com Purchase Order: 28754

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