APPENDIX

PHASE I ENVIRONMENTAL SITE ASSESSMENT

1015 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

Prepared for:
Town of Bloomfield

SLR Proj. No.: 144.12571.00015

April 2022

SIGNATURE PAGE

This document has been prepared by SLR International Corporation. The material and data in this report were prepared under the supervision and direction of Peter Shea, LEP.

DEFINITION

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined in §312.10 of 40 CFR 312; and

QUALIFICATIONS

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

Amanda Johannes
Staff Scientist

Reviewed by:

Peter Shea, LEP
Principal Environmental Scientist

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APPENDICES

EXECUTIVE SUMMARY

SLR International Corporation (SLR) performed a Phase I Environmental Site Assessment (ESA) on 1015 Blue Hills Avenue, Bloomfield, Connecticut, (the "Subject Property"). The Phase I ESA was performed in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527-13 and in general accordance with the relevant sections of Connecticut Department of Energy & Environmental Protection (CTDEEP) *Site Characterization Guidance Document* (SCGD) (dated September 2007 and revised December 2010) with respect to the identification of areas of concern (AOCs) at the Subject Property.

SUBJECT PROPERTY DESCRIPTION

The Subject Property is comprised of one approximately 3.4-acre parcel of land (Map/Block/Lot (MBL) 39-379) located at 1015 Blue Hills Ave, Bloomfield, Connecticut. An approximately 6,000-square-foot single-story building and paved asphalt parking lot totaling are located in the eastern portion of the Subject Property. The building is utilized as a municipal library known as the P. Faith McMahon Wintonbury Library. The western and southern portions of the Subject Property are comprised primarily of undeveloped wooded land and wetlands. The Subject Property is owned by the Town of Bloomfield.

The Subject Property is located in the southwest corner of the intersection of Rockwell Avenue and Blue Hills Avenue, Bloomfield, Connecticut. The Subject Property is bound to the north by Rockwell Avenue, beyond which lies Blue Hills Fire District; to the south by Autozone Auto Parts and residential properties; and to the east by Blue Hills Avenue beyond which lies residential properties; and to the west by Bloomfield Early Learning Center and the Robert L. Watkins Community Center. Access to the Subject Property is provided via a driveway off Rockwell Avenue.

HISTORICAL USES

The Subject Property was undeveloped agricultural land until the early 1970s. By 1972, a building and parking lot were constructed in the eastern portion of the Subject Property. The Subject Property has been occupied since the 1970s by the Town of Bloomfield, who utilize the building for a municipal library, known as the P. Faith McMahon Wintonbury Library.

CONCLUSIONS

SLR performed a Phase I ESA of the Subject Property. The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E1527-13 and in general accordance with CTDEEP's SCGD. Exceptions to or deletions from this practice are described in Appendix F of this report.

Recognized Environmental Conditions (RECs)

SLR did not identify evidence of RECs in association with the Subject Property.

Historical RECs (HRECs)

SLR did not identify evidence of HRECs in association with the Subject Property.

Controlled RECs (CRECs)

SLR did not identify evidence of CRECs in association with the Subject Property.

Areas of Concern (AOCs)

Historical use of the property for agricultural land use.

Significant Data Gaps

SLR did not identify significant data gaps for the Subject Property.

1. INTRODUCTION

1.1 PROJECT INFORMATION

Client Information:		Consultant Information:	
Town of Bloomfield 800 Bloomfield Ave. Bloomfield, Connecticut 06002		SLR International Corporation 45 Glastonbury Boulevard Glastonbury, Connecticut 06033	
Client Contact:		**Project Manager:**	
Name:	Nancy Haynes	**Name:**	Peter Shea
Phone:	860-769-3534	**Phone:**	860-400-5711
Email:	nhaynes@bloomfieldct.org	**Email:**	pshea@slrconsulting.com
Inspection Details:			
Subject Property:	1015 Blue Hills Avenue Bloomfield, Connecticut 06002	**Site Visit Date:**	March 17, 2022
		Interview Dates:	March 17, 2022
		Records Date:	March 2022
County:	Hartford	**Assessor:**	Amanda Johannes
Lat/Long:	41.81935, -72.69606	**Environmental Professional:**	Peter Shea

1.2 OBJECTIVES

The objective of this Phase I ESA is to identify, to the extent feasible pursuant to the processes outlined in the scope of work, *recognized environmental conditions* (RECs), *historical recognized environmental conditions* (HRECs), *or controlled recognized environmental conditions* (CRECs) as defined by the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and ASTM Designation E1527-13 (ASTM E1527-13) as well as Areas of Concern (AOCs) as defined by CTDEEP's SCGD for the Site. Note that the SCGD is directly applicable to properties subject to the Connecticut Transfer Act, C.G.S. §§ 22a-134 *et seq*., as amended (the "CTA") but in this instance only provides the basis for the evaluation of the Site relative to the definition of an Establishment under the CTA.

The ASTM Practice defines a REC as:

"…the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis conditions* that generally do not present a

material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies…"

The ASTM Practice defines a HREC as:

"…an environmental condition, which in the past would have been considered a REC, but which may or may not be considered a REC currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the HREC on the Subject Property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency, this condition shall be considered an HREC…"

The ASTM Practice defines a CREC as:

"…a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls…)."

The CTDEEP SCGD defines an AOC as:

"…locations or areas at a site where hazardous waste and/or hazardous substances (including, but not limited to, petroleum products) have been or may have been used, stored, treated, handled, disposed, spilled, and/or released to the environment…" The CTDEEP does not differentiate or categorize potential minor AOCs as "*de minimis*" in contrast to their treatment under the ASTM standard. Additionally, SLR assessed available technical information concerning past operations at the Site relative to the definition of an "Establishment" as outlined below.

Evaluation of the Site under the CTA

SLR has also conducted a technical "Establishment" evaluation to assess the potential applicability of the CTA to a future transfer of the Site. In particular, SLR evaluated whether activities have occurred at the Site that could qualify it as an "Establishment," as defined by the CTA.

The CTA defines an "Establishment," in relevant part, as any real property or business operation from which, on or after November 19, 1980, there was generated more than 100 kilograms of hazardous waste in any 1 month. However, the 100-kilogram hazardous waste threshold does not include materials related to (1) the remediation of polluted soil, groundwater, or sediment; (2) the removal or abatement of building materials or removal of materials used for maintaining or operating a building; (3) the removal of unused chemicals or materials as a result of emptying or clearing out a building; or (4) the removal of unused chemicals or materials as a result of the complete cessation of a business operation, provided the waste is removed within the 90-day period following the cessation of the business operations. An "Establishment" also includes any property or business where hazardous waste generated at a different location was recycled, reclaimed, reused,

stored, handled, treated, transported, or disposed of. Further, any real properties upon which the following business operations were performed on or after May 1, 1967, are also considered establishments: dry cleaning; furniture stripping; or vehicle body repair, regardless of the amount of hazardous waste that may have been generated on Site.

1.3 PURPOSE

Typically, a Phase I ESA is intended to permit the User(s) to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser defense under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. This assessment constitutes all appropriate inquiries into the previous ownership and uses of the Site consistent with good commercial or customary practice, as defined in 42 U.S.C. §9601(35)(B) of CERCLA. If RECs are identified during this assessment, there may be continuing obligations on the part of the User to maintain the CERCLA liability limitation.

Similarly, if the Subject Property should satisfy the definition of an Establishment as defined under the CTA and counsel determines that a future transaction constitutes a transfer of ownership, the applicability of the CTA would impose specific investigation and/or remediation requirements onto the Certifying Party. SLR is focused on collecting and summarizing the technical information relevant to the Establishment definition for evaluation by counsel addressing the legal aspects of a transaction.

1.4 SCOPE OF WORK, SIGNIFICANT ASSUMPTIONS, TERMS AND CONDITIONS

The scope of work, significant assumptions, and terms and conditions applicable to this Phase I ESA are identified in the following documents:

- SLR's Engagement Letter dated March 4, 2022
- ASTM Standard Practice, Designation E1527-13
- CTDEEP's SCGD
- Statement of Limitations presented in Appendix F of this report

1.5 USER/RELIANCE

This report was prepared for the exclusive use of Town of Bloomfield. No other entity may rely on the information presented in the report without the express written consent of SLR. Any use of this Phase I ESA report constitutes acceptance of the terms and conditions under which it was prepared. SLR's liability extends only to its client and not to any other parties who may obtain the Phase I ESA report.

1.6 USER-PROVIDED INFORMATION

SLR requested the following information from the User of this ESA report.:

Information on environmental liens on the Subject Property:	The User reported no knowledge of environmental liens on the Subject Property.
Information on Subject Property activity and use limitations (AULs):	The User reported no knowledge related to AULs on the Subject Property.
Specialized knowledge or experience of the User that is material to RECs in connection with the Subject Property:	The User reported no specialized knowledge or experience material to RECs in connection with the Subject Property.
Knowledge that Subject Property purchase/sale price is significantly lower than market value:	The User reported no knowledge that the Subject Property purchase/sale price is significantly lower than market value.
Commonly known or reasonably ascertainable information about the Subject Property material to RECs:	The User reported no commonly known or reasonably ascertainable information about the Subject Property material to RECs.

1.7 USER-PROVIDED DOCUMENTS

The User did not provide documents for SLR review.

2. SUBJECT PROPERTY AND SURROUNDING AREA OBSERVATIONS

Access to the Subject Property was provided by Mr. Matthew Childress, Lead Building Maintainer for the Town of Bloomfield, who accompanied SLR during the site visit. The weather-related conditions at the time of the site visit were overcast and rainy and in the mid-40s.

2.1 METHODOLOGY

SLR utilized the following methodology to observe the Subject Property:

- Traverse the outer Subject Property boundary.
- Traverse transects across the Subject Property.
- Traverse the periphery of all structures on the Subject Property.
- Visually observe accessible interior areas expected to be used by occupants or the public, maintenance and repair areas, utility areas, and a representative sample of occupied spaces.

2.2 RESTRICTIONS

No weather or client-related restrictions were encountered during the Subject Property visit.

2.3 SUBJECT PROPERTY

2.3.1 SUBJECT PROPERTY DESCRIPTION AND LAYOUT

The Subject Property is comprised of one approximately 3.4-acre parcel of land (Map/Block/Lot (MBL) 39-379) located at 1015 Blue Hills Ave, Bloomfield, Connecticut. An approximately 6,000-square-foot single-story building and paved asphalt parking lot totaling are located in the eastern portion of the Subject Property. The building is utilized as a municipal library known as the P. Faith McMahon Wintonbury Library. The western and southern portions of the Subject Property are comprised primarily of undeveloped wooded land and wetlands. The Subject Property is owned by the Town of Bloomfield.

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2.3.2 INTERIOR OBSERVATIONS

The single-story library building consists of a centrally located lobby area that separates two reading areas; the northern reading area is designated for adult use and the southern area makes up the children's section of the library. Two rooms utilized by library staff are located on the west side of the northern portion of the library. The eastern portion of the southern section of the library contains the restroom area, a storage room, and a custodial closet and switch room. The custodial closet contains a slop sink with a floor drain. Several different cleaning chemicals were observed in this area, including hydrogen peroxide cleaner, floor cleaner, disinfectant cleaner, and industry degreaser. Staining was not observed around the floor drain during the time of SLR's site visit. The switch room contains two electrical boxes that connect to the solar electric system, as well as a hot water heater.

2.3.3 EXTERIOR OBSERVATIONS

During SLR's inspection, the rooftop heating ventilation and air conditioning (HVAC) unit and roof drains on the north and south sides of the building were observed. A drainage swale that runs parallel to the Subject Property boundary along the south side of the building presumably captures runoff from the south side of the building and Subject Property and carries it westward toward the vegetated area. The south side of the building also contains the control box for the twelve solar panels located on the roof of the building.

The east side of the building serves as the front entrance to the library. A manhole associated with the municipal sanitary system is located in the northeast corner of the Subject Property. Electrical lines were also observed in the southeast corner of the building which connect to a powerline located along Blue Hills Avenue with three pole-mounted transformers.

A parking lot is located behind the west side of the building. Two dumpsters are present in the southwest corner of the parking lot along with a clothing donation drop-off box. One dumpster is used for disposal of general refuse and the other is designated for recycling. No evidence of staining was observed during SLR's site visit.

Estimated % of Subject Property covered by buildings and/or pavement:	Approximately 20%
Potable water provider:	Metropolitan District Hartford, Connecticut (MDC)
Water wells:	None observed
Sewage disposal method:	Municipal
Electric utility:	Eversource. Solar panels are also located on the roof of the building.
Natural gas utility:	Connecticut Natural Gas (CNG)
Emergency generators:	None observed
Onsite pits, ponds, or lagoons:	None observed
Stained soil or pavement:	None observed
Stressed vegetation:	None observed
Onsite solid waste disposal including land filling, dumping, disturbed soils, or direct burial activities:	None observed

2.3.4 SUBJECT PROPERTY OPERATIONS

The Subject Property is currently a municipal library with no other operations.

2.3.5 MATERIAL HANDLING AND STORAGE

The table below describes the observations made by SLR during the site reconnaissance, in interviews, or the records review portions of the assessment:

Observation	Description
Hazardous substances and petroleum products:	Hazardous substances and petroleum products were not observed at the Subject Property. Chemicals observed in the custodial closet included hydrogen peroxide cleaner, floor cleaner, disinfectant cleaner, and industry degreaser. Staining was not observed in the chemical storage areas at the time of SLR's site visit.
Other materials:	None observed
Strong, pungent, or noxious odors:	None observed
Staining:	None observed
Pools of liquid:	None observed
Unidentified substance containers:	None observed
Polychlorinated biphenyls (PCB)-containing equipment:	None observed

2.3.5.1 Underground Storage Tanks/Structures

No active or historical underground storage tanks (USTs) were identified at the Subject Property.

2.3.5.2 Aboveground Storage Tanks

No active or historical aboveground storage tanks (ASTs) were identified at the Subject Property.

2.3.6 WASTE GENERATION

Waste is disposed of in two dumpsters located in the southwest corner of the parking lot. One dumpster is used for disposal of general refuse and the other is designated for recycling. Waste service is provided by U.S.A. Hauling & Recycling Inc. No additional waste generation was observed at the Subject Property.

2.3.7 WATER SUPPLY

MDC provides potable water to the Subject Property. No groundwater supply wells were observed during the Subject Property visit or disclosed by the Subject Property contact.

2.3.8 WASTEWATER

Sanitary waste from the Subject Property discharges to the Town of Bloomfield sanitary sewer system. A sewer connection located on the east side of the building appears to connect to an existing sanitary manhole in the northeast corner of the Subject Property that connects to a sanitary line running west along the northern boundary.

2.3.9 STORMWATER

Storm water runoff from the building at the Subject Property is expected to drain via infiltration. Storm water that is not immediately absorbed in this area likely flows westward, downgradient towards the vegetated area along the south side of the building via drainage swale or towards Rockwell Avenue on the north side of the building. Storm water flowing off the paved parking lot is also presumed to flow westward along Rockwell Avenue.

2.3.10 CONNECTICUT TRANSFER ACT

The Connecticut Transfer Act (Connecticut General Statues [CGS] Sections 22a-134 through 22a-134e, or ("CTA") requires the disclosure of environmental conditions when ownership of certain real properties and/or businesses ("Establishments") are transferred. The CTA defines an "Establishment" as including any real property or business operation from which, on or after November 19, 1980, "there was generated, except as the result of remediation of polluted soil, groundwater, or sediment, more than one hundred (100) kilograms of hazardous waste in any one month." The term Establishment also includes any real property or business operations where hazardous waste generated at a different location was recycled, reclaimed, reused, stored, handled, treated, transported, or disposed. Further, any real properties upon which the following business operations were performed on or after May 1, 1967, are also considered Establishments: dry cleaning; furniture stripping; or vehicle body repair, regardless of the amount of hazardous waste that may have been generated on-site. Recent amendments to the CTA exclude the one-time generation of hazardous waste in any one month as a result of the first time such waste was generated.

SLR reviewed the CTDEEP's Document Online Search Portal and Manifest Databases. No hazardous waste manifests were identified for the Subject Property. Additionally, the Subject Property has never operated as one of the aforementioned named business operations (i.e., dry cleaning, furniture stripping, or vehicle body repair. Based on review of available documents and the nature of the historical and current operations, the Subject Property does not appear to meet the definition of an "Establishment" pursuant to the CTA. SLR recommends that legal counsel experienced with these Connecticut environmental statutes and regulations be consulted regarding the legal implications of the technical findings presented herein.

2.4 ADJOINING PROPERTIES

2.4.1 AREA DESCRIPTION

The Subject Property is situated within a residential and commercial mixed area of Bloomfield, Connecticut. Current uses of adjoining properties are described in the following table:

North	The northern adjacent properties are comprised of: • Rockwell Ave; beyond which lies • Blue Hills Fire District (1021 Blue Hills Avenue)
South	The southern adjacent properties comprise the following: • Autozone Auto Parts- commercial retail (997 Blue Hills Avenue); • Multi-family Residential (30 Walsh Street)
East	The east adjoining properties are comprised of: • State Highway 187 (Blue Hills Ave); beyond which lies • Residential (1012, 1014, and 1016 Blue Hills Avenue)
West	The western adjacent property comprises: • Robert L. Watkins Community Center / Bloomfield Early Learning Center (73 Rockwell Avenue)

2.4.2 DISCHARGES, MIGRATION, OR RUNOFF OF POTENTIAL CONTAMINANTS FROM SURROUNDING PROPERTIES

No evidence of discharges or migration of potential contaminants from surrounding properties was observed at the time of the Site visit.

3. RECORDS REVIEW

3.1 FEDERAL/STATE ENVIRONMENTAL RECORDS

A regulatory agency database search report was obtained from a third-party environmental database search firm, Environmental Data Resources, Inc. (EDR). A copy of the regulatory database report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix C.

3.1.1 LISTINGS FOR SUBJECT PROPERTY

The Subject Property was identified in the Asbestos database. The listing is associated with removal/abatement work that appears to have taken place in June 2016. This is not indicative of a release at the Subject Property and is not considered a REC.

3.1.2 NOTABLE LISTINGS FOR NEARBY SITES

SLR reviewed the regulatory database report pertaining to listings presented in the area surrounding the Subject Property. Listings with the highest potential for impact (i.e., adjacent or upgradient properties identified in release-related databases) to the Subject Property are described further below.

- 73 Rockwell Avenue, located adjacent to the west of the Subject Property, is listed under the Connecticut Hazardous Waste Manifest (CT Manifest) and Underground Storage Tank (UST) databases. The facility is listed in the CT Manifest database under the Town of Bloomfield in association with a hazardous waste disposal event of solid hazardous waste (EPA Waste Code D008-Lead) in July of 1994 and under BELC Bloomfield Early Learning for a hazardous waste disposal event that occurred in August of 2015. Per the UST database listing under Blue Hills Neighborhood Center, a 5,000-gallon gasoline UST was removed from the ground at the facility. The date the tank was last used is listed as June 1, 1990. The tank status is listed as “permanently closed”. Based on the absence of documented releases and the closed status of the UST, the facility does not represent a REC to the Subject Property.

- The Blue Hills Fire District is located on the northern adjoining property at 1021 Blue Hills Avenue. The facility is listed under the SPILLS, CT Manifest, National Pollutant Discharge Elimination System (NPDES), and UST databases. The facility is listed in the NPDES database in association with a General Permit for Vehicle Maintenance Wastewater, expiring on January 23, 2021. Under the SPILLS database, two incidents, reported in November 2017 and July 2018, involved the release of 0.25 gallons and one gallon of antifreeze, respectively. Both incidents involving the antifreeze are listed as closed. A third incident also occurred at the facility in October 2021. The substance released is listed as 0.25 gallons of windshield wiper fluid. The release was sanded as a means of corrective action.

  An 8,000-gallon gasoline UST is listed as formerly being present at the facility. The EDR report lists the tank status as permanently closed and the closure status of the tank as being removed from the

ground. The UST was reportedly last used in 1995 and no impacts were reported during the UST removal. Based on the absence of documented releases associated with the UST and the minimal nature of the antifreeze/wiper fluid releases, the facility does not represent a REC to the Subject Property.

- Auto Zone 3203, located at 997 Blue Hills Avenue, adjoins the Subject Property to the south. The facility is listed under the CT Manifest database for a hazardous waste disposal event that took place December 2015. Details regarding the type and quantity of the hazardous waste are not listed. The facility is not considered a REC to the Subject Property.

- Shell Facility #136283, at 991 Blue Hills Avenue, is listed under the UST, Leaking Underground Storage Tank (LUST), SPILLS, and Enforcement (ENF) databases. The facility is located approximately 300 feet to the south of the Subject Property. According to the UST database, three USTs are currently at use at the facility. These USTs replaced three USTs removed from the facility in 2006. The USTs currently in use include a 12,000 gallon gasoline UST, a 4,000 gallon diesel UST, and an 8,000 gallon gasoline UST. One LUST and SPILLS entry is associated with a release dated July 2005. A total of 801.74 tons of soil contaminated with gasoline were excavated and removed from the facility during the removal activities of a UST system in September 2006. Four groundwater monitoring wells were also installed at the facility. Dissolved phase benzene, toluene, ethylbenzene and xylene (BTEX) and methyl tert-butyl ether (MTBE) were detected in groundwater samples. Prior investigation reports for the facility obtained from the CTDEEP identify groundwater as flowing west-southwest at the facility (i.e., away from the Subject Property). Both the LUST status and associated SPILLS cases are listed as closed. Other reported releases at the facility include eight gallons of released petroleum that occurred in October 2012 due to a pump failure, a four gallon release of gasoline that was caused by an overfill in May 2018, a five gallon release of gasoline in December 2021, and a leak in the flex connector of the product supply line in August 1994. The status of these spills are all listed as closed. Based on the closed statuses of the spill events and the LUST case, as well as the facility's down/cross gradient location relative to the Subject Property, the facility does not represent a REC.

- The facility located at 985 Blue Hills Avenue, approximately 500 feet south of the Subject Property, is listed under the UST, Manifest, LUST, SPILLS, and Site Discovery and Assessment Database (SDADB) databases. The listings are associated with Mobil and Alliance Energy Inc. Three USTs are currently in use at the fueling facility, which replaced four historical USTs in May 2014. The USTs include a 15,000-gallon gasoline UST, a 5,000 gallon diesel UST, and a 10,000 gallon gasoline UST. According to the LUST database, during the removal/closure of the historical USTS, 124.55 tons of soil contaminated with gasoline and diesel were removed. Two other LUST cases are listed as occurring at the facility in January 1991 and January 1996. The January 1996 LUST case is listed as complete. The EDR report lists that 49.1 tons of soil were removed as part of the January 1991 release. No other information is provided. The SPILLS database lists a number of minor releases of gasoline or diesel due to overfilling, hose failure, or other reasons. All the spills listed resulted in a release of less than five gallons of diesel fuel/ gasoline except for one incident that resulted in a release of approximately 20 gallons of gasoline. The spills cases are listed as closed. Based on the closed statuses of the LUST case and spill events, as well as the facility's down/cross gradient location relative to the Subject Property, the facility does not represent a REC.

- NEGC #6722, at 1030 Blue Hills Avenue, is located approximately 500 feet to the northeast of the Subject Property. The facility appears to have been a former fueling facility and is listed in the UST, LUST, SPILLS, ENF, and Manifest databases. Two releases dated September 1986 and June 2015 are documented under the LUST database. Based on the EDR report, the 1986 LUST incident remains open. No additional information is provided on the LUST case in the EDR report or CTDEEP databases.

  The June 2015 release appears to be associated with the removal/closure of USTs at the facility. The SPILLS database listing is also associated with the June 2015 gasoline release. As part of the corrective actions, the leaking UST was removed. The status of the spill is listed as closed. Seven USTs are registered to the facility, all are listed as permanently closed. Three 4,000-gallon gasoline tanks and one 550-gallon heating oil tank are listed as having been removed from the ground as of March 2014. Although the LUST case is currently listed as active, the facility is located cross-gradient of the Subject Property. Based on its cross-gradient location and distance relative to the Subject Property, the facility does not represent a REC.

- The facility at 925 Blue Hills Avenue is located approximately 1,200 feet to the south of the Subject Property and is listed in the UST, LUST, and Manifest databases. A LUST incident is listed as occurring in June 2016. No additional details are listed in the EDR report, but the LUST status is listed as completed. Six USTs are currently in use at the facility, and consist of two 20,000-gallon gasoline USTs, two 10,000-gallon gasoline USTs, and two 6,000-gallon diesel USTs. Eight other USTs are listed in association with the facility but are listed as being removed from the ground. Given the facility's distance from the Subject Property, in addition to the completed status of the LUST incident, the facility is not considered a REC to the Subject Property.

- 919 Blue Hills Avenue is approximately 1,400 feet south of the Subject Property. The facility appears to be a former fueling facility, which is occupied by Integrity Auto Sales and Service LLC. The facility is listed under the UST, SDABD, LUST, SPILLS, ENF, CPCS, RCRA Very Small Quantity Generator (RCRA-VSQG) and FINDS/ECHO databases. A LUST and SPILLS listing dated May 1993 is listed as completed. Based on the SPILLS database records, an unknown amount of #2 fuel oil was released by an inground tank failure on October 3, 2019 at the facility. The tank was removed from the ground, and the status of the event is listed as closed. Eleven USTs are reported in association with the facility; however, all are listed as being permanently closed. Ten of the eleven USTs appear to have been removed from the ground. The remaining UST, a 1000-gallon heating oil UST, is listed as being abandoned in ground. Although the facility is located up gradient from the Subject Property, based on the status of the release listings and distance from the Subject Property, the facility is not considered a REC to the Subject Property.

- The following six residential LUST sites are located within a half mile radius of the Subject Property:

Site Name	Address	Distance from Subject Property
Cramer Graddy	31 Pine Grove Road, Bloomfield, CT 06002	Approx. 1,900 feet to the northeast

Site Name	Address	Distance from Subject Property
Mary Gartrell	7 Daniels Boulevard, Bloomfield, CT 06002	Approx. 1,900 feet to the northeast
Morris Martin Residence	68 Packard Street, Bloomfield, CT	Approx. 2,100 feet to the northeast
Swallow Residence	9 Daniel Boulevard, Bloomfield, CT 06002	Approx. 2,000 feet to the northeast
Robert Derby	20 Dianne Drive Bloomfield, CT 06002	Approx. 2,200 feet to the east
Rabino Residence	19 Daniel Boulevard Bloomfield, CT 06002	Approx. 2,400 feet to the northeast

The residential LUST sites are listed as completed, except for the Swallow Residence and the listing at 7 Daniels Boulevard. However, based on the two residences' proximity from the Subject Property, both are unlikely to have an impact on the Subject Property. The residential LUST sites do not represent a REC to the Subject Property.

Although several other properties within the search radius were identified in release-related databases, those properties were determined as not environmentally significant based on status, distance, and/or gradient relative to the Subject Property. Details regarding these additional facility listings are presented in the database search report in Appendix C.

SLR reviewed the four orphan sites (sites that could not be plotted) list in the regulatory agency database search report and concluded there were no listings likely to represent a REC to the Subject Property.

3.2 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

SLR contacted the following sources to request information pertaining to the Subject Property use and/or indicative of RECs in connection with the Subject Property:

Agency Name	Finding
Connecticut Department of Energy & Environmental Protection 79 Elm Street Hartford, CT 06106	SLR conducted a file review at the CTDEEP on March 9, 2022, and a review of CTDEEP's online records (manifests and CPCS List) for information pertaining to spills, releases, inspections, violations, or any other environmentally significant information. CTDEEP did not have any files pertaining to the Subject Property.
Bloomfield Town Hall Departments 800 Bloomfield Avenue Bloomfield, CT 06002	SLR performed a review of publicly available information located at the Bloomfield Town Hall on March 22, 2022. Information provided is summarized in relevant sections of this report.
Bloomfield Fire Marshal 18 Winterbury Avenue Bloomfield, CT 06002	SLR requested site information from the Bloomfield Fire Department on March 21, 2022. Information provided is summarized in relevant sections of this report.
Bloomfield Health District 693 Bloomfield Avenue Ste 3, Bloomfield, CT 06002	SLR requested site information from the Bloomfield Health District on March 23, 2022. The Health District did not have any information or documentation pertaining to the Subject Property.

3.3 HISTORICAL RECORDS

3.3.1 SUBJECT PROPERTY HISTORICAL USE SUMMARY

The Subject Property was undeveloped agricultural land until the early 1970s. By 1972, a building and parking lot were constructed in the eastern portion of the Subject Property. The Subject Property has been occupied since the 1970s by the Town of Bloomfield, who utilize the building for a municipal library, known as the P. Faith McMahon Wintonbury Library.

3.3.2 HISTORICAL SOURCE SUMMARY

SLR reviewed historical records to identify historical activities that present or indicate the potential to present an REC or AOC to the Subject Property. Documentation for this section is provided in Appendix D.

Year(s)	Description	Source(s)
Late 1800s – early 1900s	*Subject Property*: The Subject Property is depicted as undeveloped land with no structures present.	Topos (1892, 1906, 1928)
	Surrounding Properties: The surrounding area appears to be primarily undeveloped land with scattered structures along the main thoroughfares to the north, south, and west of the Subject Property. By the 1920s, a railroad is depicted to the north of the Subject Property and the presence of roadway infrastructure to the south and east has increased.	
1930s	*Subject Property*: The Subject Property remains undeveloped agricultural land. The Sanborn Map shows a proposed street running north to south within the central portion of the Subject Property connecting Rockwell Avenue and Cottage Grove Road.	Sanborn (1932), Aerial Photo (1934)
	Surrounding Properties: The surrounding area to the north remains predominantly agricultural land with associated residences. The parcel directly to the west of the Subject Property is developed with a rectangular building. The southern and eastern adjacent properties and surrounding areas appear to be becoming residentially developed. A filling station is located to the northeast of the Subject Property.	
1940s	*Subject Property*: The Subject Property remains undeveloped agricultural land.	Topo (1945), Aerial Photo (1941, 1944)
	Surrounding Properties: Residential development of the surrounding agricultural land has persisted, most notably to the north and east. The surrounding area beyond the site directly to the west of the Subject Property remains primarily undeveloped agricultural land with scattered residences. The Mt. St. Benedict Cemetery is located to the southeast of the Subject Property.	
1950s	*Subject Property*: The Subject Property remains undeveloped. The western portion of the Subject Property appears vegetated.	Aerial Photos (1951, 1957); Topo (1954)
	Surrounding Properties: Residential development in the surrounding areas has continually increased. By 1957, an addition to building on the parcel directly adjacent to the west of the Subject Property is constructed. The Sanborn Map from 1960 depicts the addition as being constructed in 1954.	
1960s	*Subject Property*: The Subject Property continues to appear as vacant, undeveloped land.	

Year(s)	Description	Source(s)
	Surrounding Properties: The developed parcel to the west of the Subject Property is depicted as being Blue Hills School. By 1967 three baseballs fields have been constructed to the west of the school building. A building has been constructed on the parcel directly to the north of the Subject Property beyond Rockwell Avenue by 1962. The 1965 city directory lists the parcel (1021 Blue Hills Ave) as being occupied by Engine No. 1, the Blue Hills Fire District No 1, Emergency Car No 4, and Engine No 5. Residential development has continued to increase in the surrounding areas. It also appears commercial development has occurred in the surrounding areas to the north and south.	Aerial Photos (1962, 1967); Topo (1964); City Directory (1965)
1970s	*Subject Property*: By 1972, a building with an associated asphalt parking lot have been constructed on the eastern portion of the Subject Property. According to the Bloomfield property card, the building was constructed in 1972. The Subject Property is listed as the Wintonbury Branch Library in the 1977 city directory. The western and southern portion of the Subject Property remain undeveloped.	Aerial Photos (1970, 1972); Topo (1972); City Directory (1977); Property Card
	Surrounding Properties: Several structures, which look like tennis courts, and a pond appear to have been constructed north of Rockwell Avenue. Otherwise, the surrounding properties appear similar to previous aerial photographs.	
1980s	*Subject Property*: The layout of the Subject Property appears to remain consistent with previous aerial photographs, however, the southern portion of the Subject Property appears to have become vegetated. Town of Bloomfield continues to occupy the Subject Property.	Aerial Photo (1985, 1989); Topo (1984); City Directory (1986)
	Surrounding Properties: The adjacent parcel to the west of the Subject Property appears to have been at least partially redeveloped. New roadway infrastructure has been constructed to the south, in addition to commercial development to the south/southeast along Blue Hills Ave.	
1990s	*Subject Property*: The layout of the Subject Property appears to remain consistent with previous aerial photographs and continues to be owned by the Town of Bloomfield as the Wintonbury Public Library.	Aerial Photos (1992, 1995); City Directory (1992, 1995)
	Surrounding Properties: Surrounding areas appear similar with previous aerial photographs.	
2000s	*Subject Property*: The layout of the Subject Property appears to remain consistent with previous aerial photographs and continues to be owned by the Town of Bloomfield as the Wintonbury Public Library.	Aerial Photos (2005, 2008); City Directories (2000, 2005)
	Surrounding Properties: By 2005, the adjoining parcel to the south of the Subject Property has been redeveloped into a commercial property occupied by Autozone.	
2010s	*Subject Property*: The layout of the Subject Property appears to remain consistent with previous aerial photographs, however, the building appears to have a new roof by 2016. The Subject Property continues to be owned by the Town of Bloomfield as the Wintonbury Public Library.	Aerial Photos (2012, 2016); City Directories (2010, 2014, 2017)
	Surrounding Properties: The surrounding properties and area appear similar to previous aerial photographs.	

3.4 PRIOR REPORTS

There were no prior reports associated with the Subject Property that were provided to SLR for review.

3.5 PHYSICAL SETTING

Topography:	According to the Town of Bloomfield's GIS website, the Subject Property is located at an elevation of between approximately 118 and 125 feet above mean sea level (amsl). The Subject Property slopes downward toward the west/northwest.
Soil/Bedrock Data:	Based on the United States Department of Agriculture Natural Resources Conservation Service Web Soil Survey, the Subject Property is comprised of Udorthents- Urban land complex, Elmridge fine sandy loam, 3 to 8 percent slopes, Scitico, Shaker, and Maybid soils, and Windsor loam sand, 3 to 8 percent slopes. The composition of the Udorthents- Urban land complex, which is primarily located in the eastern half of the Subject Property, is 50% udorthents and similar soils, 35% Urban land, and 15% minor components. Elmridge fine sandy loam, located in the northwest portion of the Subject Property, consists of 80% elmridge and similar soils and 20% minor components, and is considered moderately well-drained. Scitico, Shaker, and Maybid soils are identified in the southwest portion of the Subject Property. Scitico and Shaker soils are classified as poorly drained. Maybid soils are considered very poorly drained. All three soils are considered hydric. Windsor loamy sand, 3 to 8 percent slopes, is found at the very south of the Subject Property within the narrow strip of land that connects to Walsh Street. Minor components of the map unit include Hinckley, loamy sand and Deerfield, loamy sand. According to the University of Connecticut Environmental Conditions Online (CTECO) GIS interactive map, bedrock beneath the Subject Property and surrounding vicinity is mapped as the Portland Arkose Formation, which is generally described as reddish-brown to maroon micaceous arkose and siltstone and red to black fissile silty shale.
Classification of Groundwater/Estimated Direction of Gradient:	CTECO interactive mapping indicates that the groundwater beneath the Subject Property is classified as "GA". GA groundwater is generally defined by CTDEEP as existing private and potential public or private supplies of water suitable for drinking without treatment and baseflow for hydraulically-connected surface water bodies. The EDR report identified ten United States Geological Survey (USGS) water wells within the ASTM search radius, which are associated with the USGS Connecticut Water Science Center. Two of ten wells are within half a mile of the Subject Property. According to prior subsurface investigations performed on surrounding properties (see Section 3.1.2), groundwater flow in the vicinity of the Subject Property is generally to the west.

4. INTERVIEWS

4.1 FINDINGS FROM INTERVIEW WITH OWNER'S REPRESENTATIVE

Name, Title, Years Familiar with Subject Property:	Mr. Matthew Childress, the Town of Bloomfield's Lead Building Maintainer.
Current Use of Subject Property:	The Subject Property is currently a library.
Past Use(s) of Subject Property:	The Subject Property has been utilized as a library since its construction.
Current Use of Surrounding Properties:	See Section 2.4.1.
Past Use(s) of Surrounding Properties:	See Section 3.3.2.
Current or Past Hazardous/ Petroleum Material Use, Storage, Disposal:	None known
Current or Past Regulatory Action(s):	None known
Past Releases of Hazardous/ Petroleum Materials on the Property:	None known

4.2 REQUIRED QUESTIONS

Interview Questions	Owner/Operator
Litigation Relevant to Hazardous Substances or Petroleum Products in, on, or from the Subject Property?	Not aware
Administrative Proceedings Relevant to Hazardous Substances or Petroleum Products in, on, or from Subject Property?	Not aware
Notices from Any Governmental Entity Regarding Possible Violations of Environmental Laws or Possible Liability Relating to Hazardous Substances?	Not aware

4.3 FINDINGS FROM INTERVIEW WITH MAJOR OCCUPANTS

No other major occupants are present at the Subject Property.

4.4 SUMMARY OF FINDINGS FROM OWNER-PROVIDED INFORMATION

Findings from the interview were consistent with information from other sources.

5. SIGNIFICANT DATA GAPS

Data gaps are a lack of or inability to obtain information required by the ASTM E1527 Practice despite good faith efforts by the environmental professional to gather such information. Data gaps may have resulted from incompleteness in any of the activities required in the Practice including but not limited to the site reconnaissance, records review, or interviews. The presence of a data gap may or may not present a REC due to the possibility that a REC could be discovered if the missing information is obtained.

SLR did not identify significant data gaps for the Subject Property.

6. CONCLUSIONS

SLR performed a Phase I ESA of the Subject Property, which consists of an approximately 3.4-acre parcel of land at 1015 Blue Hills Avenue in Bloomfield, Connecticut. The Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E1527-13 and in general accordance with the relevant sections of the CTDEEP *Site Characterization Guidance Document* (SCGD; revised December 2010) with respect to the identification of AOCs at the Site.

Recognized Environmental Conditions (RECs)

SLR did not identify evidence of RECs in association with the Subject Property.

Historical RECs (HRECs)

SLR did not identify evidence of HRECs in association with the Subject Property.

Controlled RECs (CRECs)

SLR did not identify evidence of CRECs in association with the Subject Property.

Area of Concern (AOCs)

Historical use of the property for agricultural land use during the 1970s. SLR notes that the definition of an AOC in the SCGD is different from the definition of a REC in the ASTM standard, and therefore, not all AOCs are considered RECs. The use of pesticides is not defined as a release, but the historical use may result in concentrations that impact the soil at the Site.

Significant Data Gaps

SLR did not identify significant data gaps for the Subject Property.

APPENDIX A

FIGURES

APPENDIX B

SUBJECT PROPERTY PHOTOGRAPHS

APPENDIX C

THIRD-PARTY VENDOR DATABASE REPORT

APPENDIX D

HISTORICAL SOURCES

APPENDIX E

SUPPORTING DOCUMENTS

APPENDIX F

LIMITATIONS

LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. These opinions have been arrived at in accordance with currently accepted environmental industry standards and practices applicable to the work described in this report. The opinions presented are subject to the following inherent limitations:

1. This report was prepared for the exclusive use of the entity referenced in Section 1.6. SLR has no liability for this report and its contents to any other entity.

2. This Phase I ESA report is subject to the terms and conditions in the SLR proposal referenced in Section 1.4 and in the contract between SLR and its client under which the work was performed. Any use of the Phase I report constitutes acceptance of the limits of SLR's liability specified in the contract. SLR's liability extends only to its client and not to any other parties who may obtain the Phase I report.

3. SLR derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals having information about the Subject Property. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the Subject Property; analysis of the data; and reevaluation of the findings, observations, and conclusions in the report.

4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the scope of work. The scope of work is presented in Section 1.4 and was agreed to by the client.

5. SLR's Phase I ESA reports present professional opinions and findings of a scientific and technical nature. The report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies.

6. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, Subject Property location, and project indicated. This report is not a definitive study of contamination at the Subject Property and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions was not performed as part of this investigation, unless indicated in Section 1.4. No sampling or chemical analyses of structural materials or other media was completed as part of this study unless explicitly stated in Section 1.4.

7. This report is based, in part, on unverified information supplied to SLR by third-party sources. While efforts have been made to substantiate this third-party information, SLR cannot guarantee its completeness or accuracy.

APPENDIX G

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

PHASE II ENVIRONMENTAL SITE INVESTIGATION

1015 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

Prepared for:
Town of Bloomfield

Client Ref: 144.12571.00015

June 2022

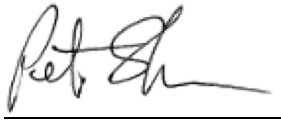
SLR

PHASE II ENVIRONMENTAL SITE INVESTIGATION

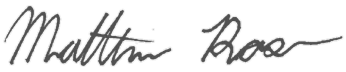
Prepared for:

Town Of Bloomfield (TOB)

This document has been prepared by SLR International Corporation (SLR). The material and data in this report were prepared under the supervision and direction of the undersigned.



Peter Shea, LEP
Principal Environmental Scientist



Matthew Rose
Project Environmental Scientist

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1. INTRODUCTION

SLR International Corporation (SLR) has prepared this Phase II Environmental Site Investigation (Phase II ESI) report for the property located at 1015 Blue Hills Avenue in Bloomfield, CT (the "Site" or Subject Property) (see Figure 1). The parcel is owned by the Town of Bloomfield (TOB) and this report has been prepared for the TOB's use.

1.1 PURPOSE AND SCOPE

The purpose of a Phase II ESI is to evaluate if a release has occurred impacted soil and/or groundwater from identified recognized environmental conditions (RECs) or area of concern (AOC) in the Phase I Environmental Site Assessment (ESA). The scope and purposes of this work can be summarized as follows:

- SLR developed a Conceptual Site Model (CSM) in accordance with "prevailing standards and guidelines," including the Connecticut Department of Energy & Environmental Protection (CTDEEP) December 2010 *Site Characterization Guidance Document* (SCGD, [DEEP, 2010]). A CSM is a means to enumerate and organize the locations where previous commercial/industrial users of the Site may have handled, stored, used, and potentially released oil and/or hazardous materials commonly referred to as constituents of concern (COCs); the COCs for the Site include petroleum hydrocarbons, metals, and associated polycyclic aromatic hydrocarbons (PAHs) associated with urban fill or demolition debris. The model further identifies the nature of those materials and how they behave in their surrounding environment so that the investigation plan focuses on collecting samples of environmental media with the greatest potential to exhibit evidence of a release in the event that one had occurred.
- Assess soil at the Site for the AOC identified in the Phase I ESA. A REC was not identified for the Site. The AOC is related to potential use of pesticides prior to Site development or during landscape maintenance activities.
- The results of the soil sampling were compared to the numerical cleanup criteria listed in the Remediation Standard Regulations (RSRs) (Regulations of Connecticut State Agencies (RSCA) §22a-133k- 1 through 22a-133k-3, inclusive).

1.2 SITE DESCRIPTION

The Subject Property is comprised of one approximately 3.4-acre parcel of land (Map/Block/Lot (MBL) 39-379) located at 1015 Blue Hills Ave, Bloomfield, Connecticut. An approximately 6,000-square-foot single-story building and paved asphalt parking lot totaling are located in the eastern portion of the Subject Property.

The building is utilized as a municipal library known as the P. Faith McMahon Wintonbury Library. The western and southern portions of the Subject Property are comprised primarily of undeveloped wooded land and mapped wetlands.

The Subject Property is located in the southwest corner of the intersection of Rockwell Avenue and Blue Hills Avenue, Bloomfield, Connecticut. The Site is bound to the north by Rockwell Avenue, beyond which lies Blue Hills Fire District; to the south by Autozone Auto Parts and residential properties; and to the east by Blue Hills Avenue beyond which lies residential properties; and to the west by Bloomfield Early Learning Center and the Robert L. Watkins Community Center. Access to the Subject Property is provided via a driveway off of Rockwell Avenue.

Site History

Based on historical aerial photo evidence the Site was undeveloped that may have been active agricultural until the early 1970s. By 1972, a building and parking lot were constructed in the eastern portion of the Subject Property. The property has been occupied since the 1970s by the Town of Bloomfield, who utilize the building for a municipal library, known as the P. Faith McMahon Wintonbury Library.

1.3 PREVIOUS ENVIRONMENTAL INVESTIGATION

There were no previous environmental investigations identified in the Phase I ESA. The Phase I ESA identified one AOC related to potential for pesticides in soil due to potential agricultural land use. The use of pesticides itself does not meet the definition of a recognized environmental condition (REC) per the ASTM standard or Connecticut Department of Energy and Environmental Protection's Site Characterization Guidance Document (SCGD). There was no evidence of storage or mixing of pesticides at the property, which would have results in a REC. The presence of pesticides or use are not indicative of a release if used in accordance with the manufacturer's best management practices but may result in residual impacts to soil that may cause human health or risk to the environment and would require special management as impacted soil.

2. PROJECT SCOPE AND CONCEPTUAL SITE MODEL

2.1 PROJECT SCOPE

SLR performed hand auger samples from landscaped areas to help determine if pesticides were present and at what concentration. Four hand auger samples were completed to evaluate surficial soil with one sample collected from each location, submitted to a state-certified laboratory under chain-of-custody, and compared to the RSR criteria.

2.2 CONCEPTUAL SITE MODEL (CSM)

The CSM for the Site has been developed using available information. Selection of soil installation and sampling locations and analyses included the following elements:

- COCs and their likely release mechanisms
- Environmental setting of the potential release, including characteristics of subsurface structures and materials that could influence migration
- Fate and transport characteristics of the released substances, including degradation products
- Potential migration pathways

Based on a review of the recent Phase I ESA (April 2022) conducted at the Site, SLR has determined that chlorinated pesticides are the only COC due to the Site's potential history of agricultural operations.

3. REGULATORY FRAMEWORK

3.1 REGULATORY MODEL

Based on the findings of the Phase I ESA (SLR, 2022), the Site does not meet the definition of an "Establishment" as defined by the Connecticut Transfer Act (CTA) and thus is not subject to investigation and remediation requirements as established in the RSRs. Even though the RSRs do not technically apply to the Site they were used to evaluate the presence of contaminants within the investigation areas. This comparison allows for management of contaminated media, if detected, in a manner consistent with applicable regulations or if further investigation is warranted to delineate the impacts for transactional purposes or to evaluate potential risk to human health and the environment.

3.2 SOIL COMPARATIVE CRITERIA

Based upon the information listed above, this section describes RSR criteria that would be applicable to the Site.

Direct Exposure Criteria (DEC)—The DEC was developed to be protective of human health in the event of direct contact with soil impacted by COCs. Regardless of the use or zoning of the property, the Residential DEC (Res DEC) apply to all properties in Connecticut. The RSRs also contain another set of DEC, the Industrial/Commercial DEC (I/C DEC), which can be used on nonresidential properties with the placement of an Environmental Land Use Restriction (ELUR) on the property. Such an ELUR would restrict the use of the property from residential uses as defined in the RSRs (§ 22a-133k-1(53)). The DEC apply to all soils within 15 feet of the ground surface regardless of the elevation of the water table. For the purposes of this assessment, both the RES DEC and I/C DEC have been considered.
Regulations of Connecticut State Agencies (RCSA) Section 22a-133k-2 requires polluted soil at a release area to be remediated to meet the Direct Exposure Criteria (DEC) to help ensure that human health is not at risk due to exposure to COCs.

Additional Polluting Substances (APS) - The RSRs contain numeric cleanup standards for 88 substances. When a contaminant at a Site is not one of the 88 substances listed in the RSRs, numeric criteria must be requested and approved by the Commissioner in order to complete cleanup at the Site under the RSRs, unless background concentrations are met. These are called APS criteria. For many substances, the Department has pre-evaluated available scientific information and has published numeric criteria that have been pre-evaluated. For the purposes of this evaluation, the published APS criteria have been considered where necessary.

4. PHASE II ENVIRONMENTAL SITE INVESTIGATION

This section presents the findings of this Phase II ESI activities for the AOC and REC identified in the April 2022 Phase I ESA.

4.1 PHASE II INVESTIGATION ACTIVITIES

SLR conducted field activities associated with the Phase II ESI on May 5, 2022. The AOC was assessed for evidence of a release of hazardous substances using the CSM approach as required by the CTDEEP Site Characterization Guidance Document (SCGD), September 2007, Revised December 2010. In preparation for Site investigational activities, the following preliminary activities were conducted:

- Preparation of a Site-Specific Health & Safety Plan (SS-HASP).

4.1.1 Soil Sampling

On May 5, 2022, SLR collected four soil samples from landscaped areas across the parcel using a hand auger to a depth of 1 foot below grade (ftbg). The hand auger was decontaminated between samples to prevent cross contamination, and upon completion, each soil boring was backfilled with excess soil from the sampled location. The soil sampling intervals were selected to characterize the maximum concentration of release and to confirm the presence of impacted soil if encountered. The soil sample locations are shown on Figure 2.

The table below shows a summary of soil sample collection, including the AOC, the depth interval, and the requested laboratory analyses.

AOC	Sample ID (Depth Interval in feet below grade)	Chlorinated Pesticides
AOC-1 Former Agricultural Land	HA-1 (0-1 ft)	X
	HA-2 (0-1 ft)	X
	HA-3 (0-1 ft)	X
	HA-4 (0-1 ft)	X

4.1.2 Laboratory

Soil samples were submitted to Complete Environmental Testing (CET) of Stratford, Connecticut, for analysis of the COCs identified above. Reporting limits and Standard Operating Procedures (SOPs) for CET are included in the analytical report. A copy of the laboratory report is provided in Appendix B.

4.2 PHASE II INVESTIGATION RESULTS

4.2.1 SOIL SAMPLING RESULTS

Two soil samples (HA-1 and HA-2) were collected from the east side of the library within the landscaped area. The remaining two soil samples (HA-3 and HA-4) were collected from west of the parking lot within the maintained lawn area and where former agricultural fields were interpreted in the historical aerial photographs reviewed as part of the Phase I ESA.

The shallow soil consisted of maintained lawn and top-soil consisting of light brown fine sand and organics to a depth of approximately 6-inches underlain by reddish brown fine to medium sand. The material encountered was relatively homogenous across the four locations.

There was no indication of visible or olfactory impacts. The soil sample was homogenized prior to submittal to the laboratory for analysis of chlorinated pesticides. Table 1 is a summary of the results compared to the RSR criteria. Based on these results there were no pesticide compounds detected above the laboratory reporting limit (RL) and the RL were all below the DEC criteria.

Based on these results there was no release in the AOC, or residual concentrations of pesticides in soil detected above the RL.

5. CONCLUSIONS

5.1 SOIL INVESTIGATION

The soil sampling complete was to evaluate if pesticides were present within the AOC from use in potential historical agricultural practices at the Site. Based on the results there were no detections for pesticide compounds in the four soil samples and no indication of release or impact to the shallow soil. No further investigation of the AOC is recommended based on these findings.

FIGURES

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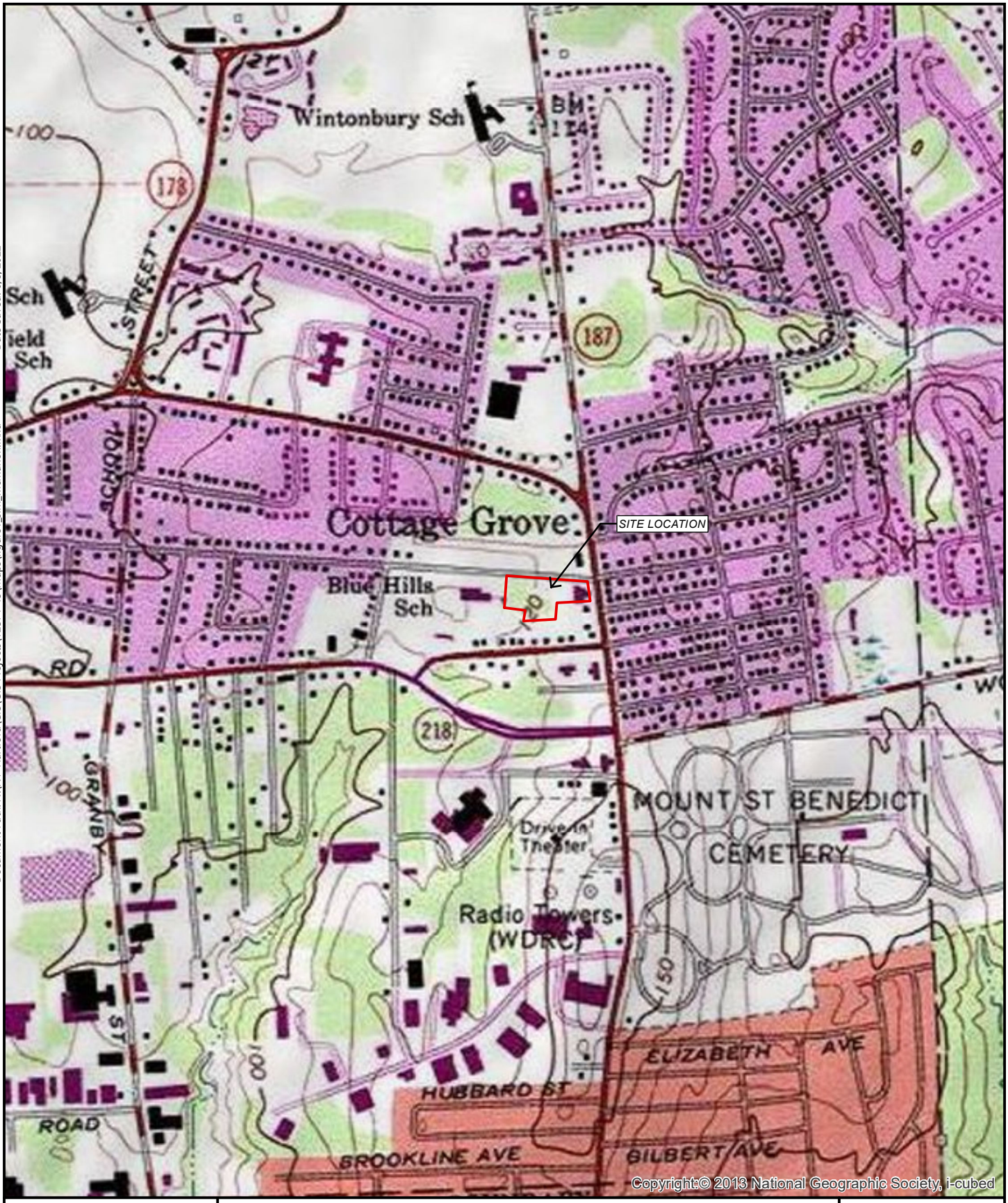

SLR
45 GLASTONBURY BLVD
1ST FL
GLASTONBURY, CT 06033
860.400.5680

SITE LOCATION MAP

PHASE II ENVIRONMENTAL SITE INVESTIGATION
TOWN OF BLOOMFIELD, FAITH P. MCMAHON LIBRARY
1015 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

N

0 500 1,000
Feet

SCALE 1 " = 1,000 '
DATE 6/8/2022
144.12571.00015
PROJ. NO.

FIG. 1

Date Saved: 4/26/2022

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SLR
45 GLASTONBURY BLVD
1ST FL
GLASTONBURY, CT 06033
860.400.5680

HAND AUGER SOIL SAMPLES

PHASE II ENVIRONMENTAL SITE ASSESSMENT
TOWN OF BLOOMFIELD, P. FAITH MCMAHON LIBRARY
1015 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

N

0 100
Feet

SCALE 1 " = 125 '
DATE 6/9/2022
144.12571.00015
PROJ. NO.

FIG. 2

TABLES

Table 1: Soil Sampling Table McMahon Library Bloomfield, CT	Client ID (Sample Depth in Feet)			HA-1 (0-1)	HA-2 (0-1)	HA-3 (0-1)	HA-4 (0-1)
	GA-PMC	I/C-DEC	R-DEC	5/5/2022	5/5/2022	5/5/2022	5/5/2022
Pesticides by EPA 8081B (ug/kg dry)							
4,4-DDD	3	17000	1800	<1.1	<1.0	<1.1	<1.1
4,4-DDE	3	17000	1800	<1.1	<1.0	<1.1	<1.1
4,4-DDT	3	17000	1800	<1.1	<1.0	<1.1	<1.1
4,4-Methoxychlor	800	10000000	340000	<5.3	<5.1	<5.5	<5.6
alachlor	230	72000	7700	<53	<51	<55	<56
Aldrin	2	340	40	<5.3	<5.1	<5.5	<5.6
alpha-BHC	2	3200	340	<5.3	<5.1	<5.5	<5.6
beta-BHC	2	3200	340	<5.3	<5.1	<5.5	<5.6
Chlordane	66	2200	490	<32	<31	<33	<33
Delta-BHC	2	3200	340	<5.3	<5.1	<5.5	<5.6
Dieldrin	7	360	38	<1.1	<1.0	<1.1	<1.1
Endosulfan I	84	1000000	41000	<5.3	<5.1	<5.5	<5.6
Endosulfan II	84	1000000	41000	<5.3	<5.1	<5.5	<5.6
Endosulfan sulfate	84	1000000	41000	<5.3	<5.1	<5.5	<5.6
Endrin	40	610000	20000	<5.3	<5.1	<5.5	<5.6
Endrin aldehyde	40	610000	20000	<5.3	<5.1	<5.5	<5.6
Endrin ketone	40	610000	20000	<5.3	<5.1	<5.5	<5.6
Gamma-BHC	20	610000	20000	<5.3	<5.1	<5.5	<5.6
Heptachlor	13	1300	140	<5.3	<5.1	<5.5	<5.6
Heptachlor epoxide	20	630	67	<5.3	<5.1	<5.5	<5.6
Toxaphene	330	5200	560	<110	<100	<110	<110
Total Solids by Method SM 2540 G (%)							
Percent Solids	NA	NA	NA	93	96	90	89

Notes:
GA-PMC - GA-Groundwater Area Pollutant Mobility Criteria
I/C DEC - Industrial/Commercial Direct Exposure Criteria
R DEC - Residential Direct Exposure Criteria
EPA - Environmental Protection Agency
ug/kg - Micrograms per kilogram
NA - Not applicable
ND<53 - Not detected above the indicated reporting limit
Black text value indicates a detection
Shaded Cell = Exceedance

APPENDIX A

LABORATORY ANALYTICAL REPORT

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Matthew Rose
SLR Incorporated
45 Glastonbury Blvd
Glastonbury, CT 06033

Analytical Report

CET# 2050230

Report Date:May 18, 2022
Project: McMahon Library, Bloomfield
Project Number: 144.12571.00015

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 5.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
HA-1	2050230-01	Soil	5/05/2022 13:45	05/10/2022
HA-2	2050230-02	Soil	5/05/2022 13:55	05/10/2022
HA-3	2050230-03	Soil	5/05/2022 14:05	05/10/2022
HA-4	2050230-04	Soil	5/05/2022 14:15	05/10/2022

Analyte: Percent Solids [SM 2540 G]

Analyst: MV

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2050230-01	HA-1	93	1.0	%	1	B2E1120	05/11/2022	05/11/2022 16:13	
2050230-02	HA-2	96	1.0	%	1	B2E1120	05/11/2022	05/11/2022 16:13	
2050230-03	HA-3	90	1.0	%	1	B2E1120	05/11/2022	05/11/2022 16:13	
2050230-04	HA-4	89	1.0	%	1	B2E1120	05/11/2022	05/11/2022 16:13	

Client Sample ID HA-1

Lab ID: 2050230-01

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Alpha-BHC	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Gamma-BHC	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Heptachlor	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Aldrin	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Beta-BHC	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Delta-BHC	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Heptachlor Epoxide	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Endosulfan I	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
4,4-DDE	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Dieldrin	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Endrin	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
4,4-DDD	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Endosulfan II	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
4,4-DDT	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Endrin Aldehyde	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
4,4-Methoxychlor	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Endosulfan Sulfate	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Endrin Ketone	ND	5.3	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Chlordane	ND	32	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Toxaphene	ND	110	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Alachlor	ND	53	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 14:22	
Surrogate: TCMX [1C]	*58.9 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 14:22*	
Surrogate: DCB [1C]	*66.9 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 14:22*	
Surrogate: TCMX [2C]	*67.5 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 14:22*	
Surrogate: DCB [2C]	*73.2 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 14:22*	

Client Sample ID HA-2

Lab ID: 2050230-02

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Alpha-BHC	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Gamma-BHC	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Heptachlor	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Aldrin	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Beta-BHC	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Delta-BHC	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Heptachlor Epoxide	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Endosulfan I	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
4,4-DDE	ND	1.0	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Dieldrin	ND	1.0	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Endrin	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
4,4-DDD	ND	1.0	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Endosulfan II	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
4,4-DDT	ND	1.0	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Endrin Aldehyde	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
4,4-Methoxychlor	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Endosulfan Sulfate	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Endrin Ketone	ND	5.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Chlordane	ND	31	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Toxaphene	ND	100	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Alachlor	ND	51	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:02	
Surrogate: TCMX [1C]	*71.1 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:02*	
Surrogate: DCB [1C]	*83.5 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:02*	
Surrogate: TCMX [2C]	*74.4 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:02*	
Surrogate: DCB [2C]	*90.0 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:02*	

Client Sample ID HA-3

Lab ID: 2050230-03

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Alpha-BHC	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Gamma-BHC	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Heptachlor	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Aldrin	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Beta-BHC	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Delta-BHC	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Heptachlor Epoxide	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Endosulfan I	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
4,4-DDE	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Dieldrin	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Endrin	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
4,4-DDD	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Endosulfan II	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
4,4-DDT	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Endrin Aldehyde	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
4,4-Methoxychlor	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Endosulfan Sulfate	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Endrin Ketone	ND	5.5	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Chlordane	ND	33	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Toxaphene	ND	110	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Alachlor	ND	55	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:19	
Surrogate: TCMX [1C]	*47.3 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:19*	
Surrogate: DCB [1C]	*59.4 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:19*	
Surrogate: TCMX [2C]	*51.8 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:19*	
Surrogate: DCB [2C]	*59.5 %*	*30 - 150*			B2E1609	05/16/2022	*05/18/2022 13:19*	

Client Sample ID HA-4

Lab ID: 2050230-04

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Alpha-BHC	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Gamma-BHC	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Heptachlor	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Aldrin	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Beta-BHC	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Delta-BHC	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Heptachlor Epoxide	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Endosulfan I	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
4,4-DDE	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Dieldrin	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Endrin	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
4,4-DDD	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Endosulfan II	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
4,4-DDT	ND	1.1	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Endrin Aldehyde	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
4,4-Methoxychlor	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Endosulfan Sulfate	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Endrin Ketone	ND	5.6	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Chlordane	ND	33	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Toxaphene	ND	110	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Alachlor	ND	56	1	EPA 3545A	B2E1609	05/16/2022	05/18/2022 13:35	
Surrogate: TCMX [1C]	*49.7 %*		*30 - 150*		B2E1609	05/16/2022	*05/18/2022 13:35*	
Surrogate: DCB [1C]	*60.7 %*		*30 - 150*		B2E1609	05/16/2022	*05/18/2022 13:35*	
Surrogate: TCMX [2C]	*54.3 %*		*30 - 150*		B2E1609	05/16/2022	*05/18/2022 13:35*	
Surrogate: DCB [2C]	*59.6 %*		*30 - 150*		B2E1609	05/16/2022	*05/18/2022 13:35*	

QUALITY CONTROL SECTION

Batch B2E1609 - EPA 8081B

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B2E1609-BLK1)					Prepared: 5/16/2022 Analyzed: 5/18/2022				
Alpha-BHC	ND	5.0							
Gamma-BHC	ND	5.0							
Heptachlor	ND	5.0							
Aldrin	ND	5.0							
Beta-BHC	ND	5.0							
Delta-BHC	ND	5.0							
Heptachlor Epoxide	ND	5.0							
Endosulfan I	ND	5.0							
4,4-DDE	ND	1.0							
Dieldrin	ND	1.0							
Endrin	ND	5.0							
4,4-DDD	ND	1.0							
Endosulfan II	ND	5.0							
4,4-DDT	ND	1.0							
Endrin Aldehyde	ND	5.0							
4,4-Methoxychlor	ND	5.0							
Endosulfan Sulfate	ND	5.0							
Endrin Ketone	ND	5.0							
Chlordane	ND	30							
Toxaphene	ND	100							
Alachlor	ND	50							
Surrogate: TCMX [1C]					*68.4*	*30 - 150*			
Surrogate: DCB [1C]					*81.0*	*30 - 150*			
Surrogate: TCMX [2C]					*70.3*	*30 - 150*			
Surrogate: DCB [2C]					*78.9*	*30 - 150*			
LCS (B2E1609-BS1)					Prepared: 5/16/2022 Analyzed: 5/18/2022				
Alpha-BHC	27.1	5.0	25.000		109	40 - 140			
Gamma-BHC	27.2	5.0	25.000		109	40 - 140			
Heptachlor	27.1	5.0	25.000		109	40 - 140			
Aldrin	26.4	5.0	25.000		106	40 - 140			
Beta-BHC	26.8	5.0	25.000		107	40 - 140			
Delta-BHC	28.2	5.0	25.000		113	40 - 140			
Heptachlor Epoxide	28.5	5.0	25.000		114	40 - 140			
Endosulfan I	27.6	5.0	25.000		110	40 - 140			
4,4-DDE	27.3	1.0	25.000		109	40 - 140			
Dieldrin	29.5	1.0	25.000		118	40 - 140			
Endrin	28.5	5.0	25.000		114	40 - 140			
4,4-DDD	28.1	1.0	25.000		112	40 - 140			
Endosulfan II	25.5	5.0	25.000		102	40 - 140			
4,4-DDT	28.6	1.0	25.000		115	40 - 140			
Endrin Aldehyde	16.0	5.0	25.000		64.0	40 - 140			
4,4-Methoxychlor	22.6	5.0	25.000		90.4	40 - 140			
Endosulfan Sulfate	25.8	5.0	25.000		103	40 - 140			
Endrin Ketone	29.5	5.0	25.000		118	40 - 140			
Alachlor	60.0	50	50.000		120	40 - 140			
Surrogate: TCMX [1C]					*89.9*	*30 - 150*			
Surrogate: DCB [1C]					*98.0*	*30 - 150*			
Surrogate: TCMX [2C]					*92.1*	*30 - 150*			

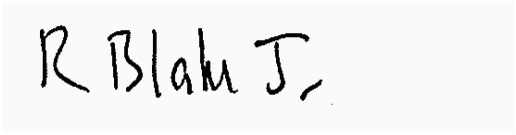
Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (B2E1609-BS1) - Continued					Prepared: 5/16/2022 Analyzed: 5/18/2022				
Surrogate: DCB [2C]					*109*	*30 - 150*			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

This technical report was reviewed by Robert Blake



Project Manager

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Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982
Rhode Island Certification 199

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc. ***Client:*** SLR Incorporated

Project Location: McMahon Library, Bloomfield ***Project Number:*** 144.12571.00015

Laboratory Sample ID(s): ***Sample Date(s):***

2050230-01 thru 2050230-04 05/05/2022

List RCP Methods Used: ***CET #:*** 2050230

EPA 8081B

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b	b) Were these reporting limits met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all consituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project specific matrix spikes and laboratory duplicates included with this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 05/18/2022

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

7- Project specific QC was not requested by the client.

QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B2E1609	S2E1804	2050230-01	HA-1	EPA 8081B	Soil	05/05/2022
B2E1609	S2E1804	2050230-02	HA-2	EPA 8081B	Soil	05/05/2022
B2E1609	S2E1804	2050230-03	HA-3	EPA 8081B	Soil	05/05/2022
B2E1609	S2E1804	2050230-04	HA-4	EPA 8081B	Soil	05/05/2022

2050230

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:
Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette, Solid, Wipe, Other (Specify)

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	Turnaround Time ** (check one): Same Day *	Next Day *	Two Day *	Three Day *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	CT ETPH	8270 CT List	8270 PNAs	PCBs ☐ SOX ☐ ASE	Pesticides	Metals: 8 RCRA	13 Priority Poll	15 CT DEP	Total	SPLP	TCLP	Dissolved	Field Filtered	Lab to Filter	Additional Analysis	TOTAL # OF CONT.	NOTE #
HA-1	5/5/22 13:45	S					X								X												
HA-2	13:55																										
HA-3	14:05																										
HA-4	14:15																										

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)

Soil VOCs Only (M=MeOH B=Sodium Bisulfate W=Water F=Empty Vial E=Encore): 4

RELINQUISHED BY: [signature] DATE/TIME: 5/10/22 1045 RECEIVED BY: [signature]

RELINQUISHED BY: [signature] DATE/TIME: 5/10/22 15:15 RECEIVED BY: [signature] 05/10/22 15:15

RELINQUISHED BY: DATE/TIME: RECEIVED BY:

NOTES:

Client / Reporting Information

Company Name: SLR International Corporation
Address: 99 Realty Drive
City: Cheshire State: CT Zip: 06410
Report To: Matthew Rose E-mail: mrose@slrconsulting.com
Phone #: 203-525-6932 Fax #:

Project Information

Project: McMahon Library PO #:
Location: Bloomfield CT Project #: 144.12571.00015
CET Quote # Collector(s): Matthew Rose

QA/QC ☐ Std ☐ Site Specific (MS/MSD) * ☒ RCP Pkg * ☐ DQAW *
Data Report ☒ PDF ☒ EDD - Specify Format Excel Other
RSR Reporting Limits (check one) ☒ GA ☐ GB ☐ SWP ☐ Other
Laboratory Certification Needed (check one) ☒ CT ☐ NY ☐ RI ☐ MA ☐ PA
Temp Upon Receipt 5 °C Evidence of Cooling: (Y) N PAGE 1 OF 1

*** Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes.**

REV. 12/18

MCMAHON WINTONBURY LIBRARY
1015 BLUE HILLS AVENUE
BLOOMFIELD, CT 06002

Hazardous Materials Survey

Prepared for:

Town of Bloomfield

Client Ref: SLR # 144.12571.00015.0060

April 15, 2022

Hazardous Materials Survey

Prepared for:
Town of Bloomfield
800 Bloomfield Avenue
Bloomfield CT 06002

This document has been prepared by SLR International Corporation (SLR). The material and data in this report were prepared under the supervision and direction of the undersigned.

Ryan D. Rouillard
Principal, Building Sciences

Keith Allard
Associate Building Sciences Specialist

CONTENTS

TABLES

APPENDICES

1. INTRODUCTION

SLR International Corporation (SLR) conducted a Hazardous Materials survey (Survey) at the McMahon Wintonbury Library located at 1015 Blue Hills Avenue in Bloomfield, Connecticut (the "Site") on March 17, 2022. Per the request of the Town of Bloomfield, the assessment only concentrated on the possible presence of hazardous materials associated with the planned renovations (further known as the Project Area). Results of the assessment has been summarized and included in this report.

BUILDING DESCRIPTION

The approximately 5,900 square feet (SF) circa 1972 one-story structure was constructed atop poured concrete. Building spaces include, but are not limited to, offices, mechanical rooms, bathrooms, and recreation areas. Finished materials SLR viewed within the Project Area were concrete/brick perimeter wall system, gypsum board wall system, carpet, 12”x12” vinyl tile floor systems, suspended ceiling tile systems, ceramic wall/floor tile systems, and a composite roof system.

2. REGULATORY OVERVIEW

ASBESTOS

United States Environmental Protection Agency (USEPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP) regulates asbestos fiber emissions during demolition or demolition activities and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition activities. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable, or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. Category I non-friable ACM includes packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1 percent asbestos. Category II non-friable ACM are any materials other than Category I materials that contain more than 1 percent asbestos.

The Occupational Safety & Health Administration (OSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained at or below 0.1 asbestos fibers per cubic centimeter (f/cc) of air as an 8-hour time-weighted average (TWA) and not exceed 1.0 f/cc of air over a 30-minute time period known as an excursion limit (EL). The TWA and EL are known as OSHA's permissible exposure limits (PELs). The OSHA exposure limits (0.1 f/cc) of air as an 8-hour time-weighted average or 1.0 f/cc of air over 30 minutes (EL) for asbestos apply when materials containing 1 percent asbestos or less are disturbed during renovations or demolitions. The OSHA standard classifies construction and maintenance activities that could disturb ACM and specifies work practices and precautions that employers must follow when engaging in each class of regulated work. States that administer their own federally approved state OSHA programs may require additional precautions.

Friable ACMs and Category I and Category II nonfriable ACMs that are in poor condition and have become friable (crushed or pulverized during anticipated renovation or demolition activities) due to drilling, sanding, grinding, cutting, or abrading are considered Regulated Asbestos Containing Materials (RACM).

CT DPH regulations specify that non-friable materials with a "trace" result require the material to be disposed of as asbestos. If the material is friable (i.e., materials that may be easily reduced to a powder by applying hand pressure such as pipe/fitting insulation, plaster coats, etc.) during disturbance/ abatement, the USEPA, under the asbestos NESHAP regulation, requires that the material(s) be abated in accordance with the asbestos removal regulations (work to be performed in a controlled environment/containment). Materials containing less than 1% asbestos are not regulated by USEPA for removal practices, unless friable (or made friable during removal operations), at which point the materials are regulated for removal activities through NESHAP. However, the OSHA PEL and TWA over the EL for asbestos apply when materials containing 1% asbestos or less are disturbed during renovations or demolitions. A listing of materials that contain 1% asbestos or less is provided above to enable the demolition contractor to make appropriate decisions concerning compliance issues with applicable OSHA regulations.

Lead-Containing Paint (LCP)

Lead is regulated by the USEPA and the OSHA. The USEPA regulates lead use, removal, and disposal, and OSHA regulates worker exposure to lead. The State of Connecticut and USEPA defines LCP as paint, varnish, stain, or other applied coating that contains lead equal to or greater than 1.0 milligrams per cubic centimeter (mg/cm^2), 5,000 milligrams per kilogram (mg/kg), or 0.5 percent by dry weight as determined by laboratory analysis. For the purpose of the OSHA lead standard, lead includes metallic lead, all inorganic lead

compounds, and organic lead soaps. The federal OSHA standard does not define the amount of lead in paint that constitutes LCP.

Any disturbance of LCP is subject to the OSHA Lead in Construction Standard, 29 CFR 1926.62. Prior to the disposal of materials generated during building renovation or demolition projects, the USEPA Resource Conservation and Recovery Act (RCRA) regulations require that lead Toxicity Characteristic Leaching Procedure (TCLP) testing be conducted to evaluate whether the waste streams must be disposed of as a lead hazardous material or as general construction debris. Disposal of materials coated with paint containing lead is subject to the USEPA RCRA regulations (40 CFR 260-270). At the present time, federal and state regulations do not necessarily require that materials coated with lead-based paint be removed prior to demolition. However, the Hazardous Waste regulations require that wastes be characterized prior to disposal.

The OSHA Lead Standard for Construction (29 CFR 1926.62) applies to all construction work where an employee may be occupationally exposed to lead. All work related to construction, alteration, or repair (including painting and decorating) is included. The lead-in-construction standard applies to any detectable concentration of lead in paint as even small concentrations of lead can result in unacceptable employee exposures depending upon the method of removal and other workplace conditions.

Employers must assure that no employee will be exposed to lead at concentrations greater than the permissible exposure limit of 50 micrograms per cubic meter ($\mu g/m^3$) averaged over an 8-hour period without adequate protection. The OSHA standard also establishes an action level of 30 $\mu g/m^3$, which if exceeded triggers certain requirements, including periodic exposure monitoring and medical monitoring.

The TCLP test, which is the appropriate method for characterizing demolition debris for lead content, involves the collection of samples from representative building materials and the analysis of the materials by an accredited laboratory. If the sample results are less than 5.0 milligrams per liter (mg/L) lead, then the demolition waste can be disposed of as nonhazardous construction debris. If the sample results are greater than or equal to 5.0 mg/L lead, then the demolition waste must be disposed of as a hazardous waste.

Polychlorinated Biphenyl

he USEPA has issued a number of fact sheets indicating that PCBs may be present in caulk and other sealant materials used in buildings constructed in the period from 1950 through approximately 1980. PCBs were a common additive to caulk because of their water and chemical resistance, durability, and elasticity. PCBs were added as a plasticizer in caulking used to seal joints between masonry units and around windows. PCBs were used in building materials such as paints, caulks, adhesives, mastics, sealants, and specialty coatings. PCBs are known to leach into existing building substrate materials (existing brick and concrete) adjacent to suspect PCB materials sampled. If suspect building materials sampled are less than 1 part per million (ppm), substrate sampling is not necessary. Disposal of substrate materials containing PCBs at concentrations of 1 to 50 ppm will require disposal at an approved solid waste landfill; concentrations above 50 ppm will require disposal at a USEPA Toxic Substances Control Act (TSCA) approved landfill.

Other Hazardous Materials

Connecticut solid waste regulations prohibit the disposal of PCB-containing ballasts in regular or solid waste landfills. These ballasts must be disposed of at an incineration/recycling facility. Approximately 25 percent of ballasts manufactured after 1979 contain di (2-ethylhexyl) phthalate (DEHP), a regulated substance under the USEPA Superfund regulations. DEHP-contaminated ballasts must be disposed of in the same manner as PCB-contaminated ballasts. Fluorescent light tubes, which contain mercury, are prohibited from disposal at in-state landfills due to their mercury content. The preferred option is for the removal and recycling of the bulbs and ballasts at an approved recycling facility.

3. FIELD ACTIVITIES

ASBESTOS

The asbestos survey was performed by SLR's Connecticut-licensed asbestos inspector (license provided in Appendix B), Mr. Ryan Rouillard on March 17, 2022. SLR established an appropriate sampling plan of materials to be tested. SLR then performed sampling of those materials to generally meet the protocols established in USEPA regulation 40 CFR 763. Access to the building and areas of interest was provided by the Town of Bloomfield personnel.

Sample Collection

Random samples of suspect ACM were collected in each homogeneous area utilizing equipment such as, but not limited to, ladders and hand tools (*i.e.,* sledgehammers, screw-drivers, chisels, knives, flashlights, gloves, and prybars). Bulk asbestos samples were collected using wet methods, as applicable, to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

Sample Analysis

Suspect asbestos bulk samples (81) were submitted under chain of custody (COC) to EMSL Analytical, Inc. (EMSL) for analysis as part of this Asbestos Survey. Samples were analyzed by polarized light microscopy (PLM) with dispersion staining techniques per USEPA's Method for the Determination of Asbestos in Bulk Building Materials (600/R-93-116). The laboratory was instructed to analyze samples from each homogeneous area until the first sample containing asbestos was identified (*i.e.,* stop positive protocol). EMSL is accredited by the State of Connecticut for asbestos bulk sample analysis. The percentage of asbestos, where present, was determined by microscopic visual estimation. EMSL separated out multiple layers from some of the materials submitted and used the "stop at first positive" protocol; consequently, a total of 73 samples were analyzed. A copy of the EMSL laboratory analytical report and SLR's COC documentation are provided in Appendix A.

LEAD-BASED PAINT (LBP) SAMPLE COLLECTION

SLR conducted a screening for lead-based paints by collecting two paint chip samples from various interior suspect painted surfaces. A summary of the LBP samples collected, and analytical results is provided in Appendix C.

PCB SAMPLE COLLECTION

SLR has assessed interior/exterior areas of the Site building to identify majority-rule building materials suspected of containing PCBs, including but not limited to, paints, caulk/sealant materials, floor mastics, and roof mastics. This testing was conducted as a screening assessment for informational planning purposes.

Samples (5) were collected by cutting the material from the joint/surface with a razor knife equipped with disposable razor blades or scraping the material with a metal scraper equipped with disposable blades. If adjacent media (e.g., concrete or wood) was inadvertently removed in the process of sample collection, this media was physically removed (as best as possible) before the sample was placed in its container. The collected material was transferred by the sampler wearing dedicated nitrile gloves to clean 4-ounce amber glass jars provided by the laboratory. Approximately 5 to 10 grams of material were collected for each sample as required by the laboratory. Dedicated razor blades/scrapers and dedicated nitrile gloves were changed out and disposed of between each sample to prevent cross-contamination.

Each sample was assigned an identification number representative of the location from which it was collected. The material type and location (i.e., walls, roof materials, window frame masonry caulk to building, etc.) and descriptors of the material sampled were recorded on field data sheets during the sampling.

The samples collected were placed on ice in coolers and submitted to Phoenix Environmental Laboratories in Manchester, Connecticut, for analysis of PCBs by USEPA method SW-8082A utilizing the Soxhlet extraction methodology (USEPA Method SW-3540C). Copies of the laboratory analytical reports are presented in Appendix D.

HAZARDOUS MATERIALS

The purpose of this evaluation was to obtain information for the potential presence of hazardous materials that require removal and disposal prior to decommissioning the pool mechanical equipment. SLR conducted a visual observation of the pool mechanical equipment to identify suspect hazardous materials that may require removal and disposal prior to renovation activities.

Various hazardous materials are commonly found in a variety of building equipment. These materials were not tested to confirm the assumed hazard and will require the contractor to characterize the wastes prior to disposal to an appropriate recycler/landfill.

No other environmental assessment/sampling was conducted as part of the scope of work for this Survey.

4. FINDINGS

ASBESTOS

The materials listed in the table below include samples taken as part of this survey and have been determined to contain asbestos in concentrations equal to or greater than 1 percent (%).

Table 1 - Identified Asbestos-Containing Materials and Estimated Quantities

Material Description	Location and Estimated Quantity[1]	Asbestos Analytical Result
Joint Compound	Interior Walls – 9,000 SF	2%
Black Sink Undercoating	Break Room Sink - 1 Sink	2%
Carpet Adhesive (with Residual Brown Floor Mastic)	Floor Beneath Carpeting (Green) – 5,000 SF	2%
12"x12" Gray Mottle Floor Tile	Storage Room Floor – 100 SF	3%
Black Mastic associated with 12"x12" Gray Mottle Floor Tile		10%
Vent Mastic (Black)	Main Roof - Center (Lower Near HVAC Unit) – 4 SF	12%

NOTE: SF = Square Feet, LF = Linear Feet, CF=Cubic Feet

[1]Estimated quantities are based on a cursory field evaluation of the Site building, and actual quantities may vary significantly, especially due to ACMs being present in hidden areas not evaluated as part of this survey, covered by loose items, and/or inaccessible areas discovered during this survey (such as below-grade/below concrete floor slabs).

LEAD PAINT SURVEY

The visual assessment found the condition of the painted surfaces to be generally intact in the buildings with localized damage on surfaces. Analytical results of the lead samples were detected at concentrations below 0.5% (by weight).

PCB-CONTAINING MATERIALS

The below results of the laboratory analyses are above 1 parts per million (PPM):

Sample ID	Result
1M GRAY SIDEWALK CAULK	1.1 PPM
2M EXTIOR BLACK WINDOW GLAZE	7.1 PPM
4M EXTIOR GRAY EXPANSION CAULK[1]	33,000 PPM

OTHER HAZARDOUS MATERIALS

Various hazardous materials are commonly found in a variety of building equipment. The equipment observed during the Survey and the types of common hazardous materials contained in that equipment are shown in the table below with estimated quantities. These materials were not tested to confirm the assumed hazard and will require the contractor to characterize prior to disposal.

Table 2

Item	Common Hazard	Estimated Quantity
Fire Strobe	Amerium	2

Item	Common Hazard	Estimated Quantity
Emergency Exit Sign/Light	Acid	4
Fire Extinguisher	Various	3
4’ Fluorescent Light Bulb	Mercury	444
Fluorescent Light Ballast	PCB	222
Hydraulic Door Closure	PCB	6
Powered Hydraulic Door Closure	PCB	2
Switch Panel (GE and UL)	Oil	2
Breaker Panel (GE)	Oil	1
Alarm Panel	Lead	1
Water Heater	Oil	1
Wall Heater (Singer)	Oil	2

5. CONCLUSIONS

The results of the survey indicate that asbestos and other hazardous materials are present within the building spaces and must be abated prior to building demolition.

ASBESTOS

While the Survey activities conducted by SLR sought to identify, to the best of our ability, the materials that will require abatement, it is possible that certain other ACMs located in discrete and/or inaccessible areas may ultimately be discovered during demolition activities. Should such materials be encountered, the demolition contractor should assume them to contain asbestos and remove and dispose of them accordingly.

Project Area inaccessible areas (materials must be assumed until sampled) include, but are not limited to, the following:

- Below-grade materials (*i.e.,* utility piping, slab/foundation mastics, etc.);
- Within walls and beneath floors;
- Within interior brick columns; and,
- Within mechanical units (*i.e.,* boilers, HVAC, etc.), electrical and plumbing systems.

Connecticut regulations require that any asbestos-related activity conducted be performed by appropriately trained and licensed personnel. Asbestos abatement should be in accordance with a project design prepared by a Connecticut-licensed project designer. Third-party air monitoring should be conducted during abatement activities and visual/air clearances must be conducted at the completion of each/all abatement activities.

The owner or operator of a facility must provide EPA with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities.

Vermiculite was found within the exterior walls. Though the analytical results were negative for asbestos, EPA and CTDEEP recommend handling vermiculite as asbestos containing.

LEAD

In areas where demolition or renovations are to occur, and lead is present, the demolition debris waste stream should be further analyzed during segregation for compliance with EPA, state and local regulations to ensure proper disposal. TCLP testing should be performed to characterize all waste prior to disposal. TCLP testing can be performed prior to waste segregation but results may not be indicative of the actual waste streams produced during demolition.

Demolition workers should be trained and protected in accordance with OSHA regulation 29 CFR 1926.62 which state in part:

This section applies to all construction work where an employee may be occupationally exposed to lead. All construction work excluded from coverage in the general industry standard for lead by 29 CFR 1910.1025(a)(2) is covered by this standard. Construction work is defined as work for construction, alteration and/or repair, including painting and decorating. It includes but is not limited to the following:

- Demolition or salvage of structures where lead or materials containing lead are present;
- Removal or encapsulation of materials containing lead;
- New construction, alteration, repair, or renovation of structures, substrates, or portions thereof that contain lead, or materials containing lead.
- Handlers of salvageable materials and the treatment/disposal facility must be informed of the material's lead content. All personnel involved must be trained in personal protection and proper work practice procedures in accordance with OSHA regulations.
- All waste contaminated with lead paint should be disposed of in accordance with all state, local, and federal regulations.

Prior to the disposal of LCP materials generated during building demolition activities, USEPA RCRA regulations require that lead toxicity characteristic leaching procedure (TCLP) testing be conducted to determine whether the waste streams must be disposed of as a lead hazardous material or as general construction debris. If results of the testing are greater than 5.0 mg/L, then the material must be considered a hazardous waste.

PCBs

Disposal of finish and substrate materials, and electrical equipment, containing PCBs at concentrations of 1 to 50 ppm will require disposal at an appropriate landfill that accepts this waste; concentrations above 50 ppm will require disposal at a USEPA TSCA-approved landfill.

Prior to conducting demolition activities that will impact suspect PCB materials at the Site, sampling should be conducted to allow for safe removal planning and site practices, as well as to meet appropriate disposal requirements. This sampling may be conducted by the demolition contractor; however, the sampling should be conducted prior to bidding for budget purposes. Additional contractor characterization may be necessary prior to removal/disposal of materials not yet characterized.

Other areas with similar caulk may be PCB-containing, though it was not tested as it was outside the scope of work.

HAZARDOUS MATERIALS

Prior to decommissioning activities that will impact suspect hazardous materials associated with the pool mechanical equipment, a qualified contractor should be retained to properly characterize, remove, and dispose/recycle the hazardous materials.

RENOVATION/DEMOLITION RECOMMENDATIONS

In addition to the above related to ACM and hazardous materials the following should be considered as part of the renovation and/or demolition activities.

- Develop demolition plan/specification for the removal of the pool and associated piping and equipment and have reviewed by structural engineer to ensure the planned activity does not impact the integrity of the building.
- Prior to beginning work install a barrier to minimize the transmission of dust or debris to the occupied area of the building.
- Locate, identify, disconnect, and seal or cap off utilities serving pool area and mechanical spaces to be renovated/demolished.

- Restore site in accordance with the specifications.
- Obtain applicable permits.

COST TABLE

MATERIAL DESCRIPTION MATERIAL	MATERIAL LOCATION	ESTIMATED QUANTITY		ESTIMATED UNIT COST		ESTIMATED COST
Joint Compound	Interior Walls	9,000	SF	$8	SF	$72,000
Black Sink Undercoating	Break Room Sink	1	Unit	$150	each	$150
Carpet Adhesive (with Residual Brown Floor Mastic)	Interior - Floor - Beneath Carpeting (Green)	5,000	SF	$6	SF	$30,000
12"x12" Gray Mottle Floor Tile	Storage Room Floor	100	SF	$5	SF	$1,100
Black Mastic associated with 12"x12" Gray Mottle Floor Tile			SF	$6	SF	
Vent Mastic (Black)	Roof - Main Center (Lower Near HVAC Unit)	4	SF	$10	SF	$40

6. RELIANCE

This report is for the exclusive use of the Town of Bloomfield for the project being discussed. Reliance by any other party on this report is prohibited without the written authorization of SLR.

7. GENERAL COMMENTS

This Survey (limitations and/or inaccessible areas discussed above) was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this Survey are based on conditions observed during the assessment. The information contained in this Survey is relevant to the dates on which the survey was performed and should not be relied upon to represent conditions at a later date.

This Survey is not a bidding document. Contractors or consultants reviewing this Survey must draw their own conclusions regarding further investigation or remediation deemed necessary. SLR does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information that may have been used in the preparation of this Survey. No warranty, express or implied, is made.

It is important to note that we cannot guarantee that all asbestos or potentially hazardous materials have been identified. In addition, ACM's have often been used in areas where detection is difficult until renovation, demolition, and/or asbestos abatement work begins and allows access to these remote areas.

In accordance with federal regulations stated above, the materials not representatively sampled or present in the inaccessible area(s) listed above must be assumed as ACM until appropriate characterization is performed of such materials, and they are proven to be non-ACM by an appropriately accredited laboratory.

LIMITATIONS

1. SLR's asbestos/hazardous materials evaluations were performed in accordance with the client's requests and generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and SLR observed the degree of care and skill generally exercised by other consultants under similar circumstances and conditions. SLR's findings and conclusions must be considered not as scientific certainties but rather as our professional opinion concerning the significance of the data gathered during the course of the asbestos/hazardous materials evaluations. No other warranty, express or implied, is made. Specifically, SLR does not and cannot represent that the site contains no ACMs, hazardous materials, or other latent condition beyond that observed by SLR during its asbestos/hazardous materials evaluations.

2. This report, which present our findings, shall not be used as a bid document/work plan, or in place of a work plan, for conducting asbestos abatement. When an asbestos abatement specification/ work plan is prepared, the State of Connecticut requires that the plan be prepared by a USEPA-certified and Connecticut-Licensed Asbestos Project Designer. SLR recommends that a work plan be prepared by the contractor (as SLR does not determine means and methods for abatement activities) and a bid walk-through be administered by SLR personnel familiar with the on-site asbestos conditions.

3. The observations described in this report were made under the conditions stated herein. The conclusions presented in the reports were based solely upon the services described therein and not on scientific tasks or procedures beyond the proposed scope of services.

4. The conclusions and recommendations contained in this report are based on environmental sampling and visual observations (not including inaccessible areas) and were arrived at in accordance with generally accepted standards of industrial hygiene practice. No other warranty, express or implied, is made.

5. Where sample analyses were conducted by an outside laboratory, SLR has relied upon the data provided and has not conducted an independent evaluation of the reliability of these data.

6. The purpose of this report was to assess the physical characteristics of the subject Site building spaces surveyed with respect to the presence of asbestos in the Site building. No specific attempt was made to check on the compliance by any party with federal, state, or local laws and regulations.

7. Observations were made of the Site buildings as indicated within the reports. While it was SLR's intent to conduct a thorough Survey, it is important to note that we cannot guarantee that all asbestos or potentially hazardous materials within the surveyed areas have been identified. ACMs have frequently been used in areas where detection is difficult until renovation, demolition, and/or asbestos abatement work begins and allows access to these remote areas. All quantities of suspect hazardous materials provided as part of this Survey are estimates based upon our observations and rough measurements. The quantities should not be considered as anything other than estimates for planning purposes.

APPENDIX A

ASBESTOS ANALYTICAL LABORATORY REPORTS AND CHAINS OF CUSTODY

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132202257
Customer ID:	MMAC42
Customer PO:	
Project ID:	

Attention:	Keith Allard	**Phone:**	(603) 289-1951
	SLR International Corporation	**Fax:**	
	2 Commerce Drive, Suite 110	**Received Date:**	03/30/2022 9:40 AM
	Bedford, NH 03110	**Analysis Date:**	04/06/2022
		Collected Date:	
Project:	144.12571.00015.0060 / McMahon		

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**
M-01A *132202257-0001*	Inside Perimeter Block/Brick Wall Cavity Janitor's Closet - Vermiculite Insulation	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Vermiculite is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
M-01B *132202257-0002*	Inside Perimeter Block/Brick Wall Cavity Janitor's Closet - Vermiculite Insulation	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Vermiculite is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
M-01C *132202257-0003*	Inside Perimeter Block/Brick Wall Cavity Janitor's Closet - Vermiculite Insulation	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Vermiculite is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
M-01D *132202257-0004*	Inside Perimeter Block/Brick Wall Cavity Janitor's Closet - Vermiculite Insulation	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Vermiculite is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
M-01E *132202257-0005*	Inside Perimeter Block/Brick Wall Cavity Janitor's Closet - Vermiculite Insulation	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Vermiculite is a problem matrix. Other analytical options are recommended such as EPA 600 PLM/TEM with milling prep or TEM Qualitative					
M-02A *132202257-0006*	Exterior - Brick Façade Wall Seams - Expansion Joint Caulk (Brown)	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-02B *132202257-0007*	Exterior - Brick Façade Wall Seams - Expansion Joint Caulk (Brown)	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-03A *132202257-0008*	Exterior - Slab/Foundation Walls - Cementitious Coating (Gray)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-03B *132202257-0009*	Exterior - Slab/Foundation Walls - Cementitious Coating (Gray)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-03C *132202257-0010*	Exterior - Slab/Foundation Walls - Cementitious Coating (Gray)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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5 Constitution Way, Unit A Woburn, MA 01801
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http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132202257
Customer ID: MMAC42
Customer PO:
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**
M-04A *132202257-0011*	Exterior Metal Window Systems (Behind Wood Paneling on SW Windows) - Window Glaze (Black)	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-04B *132202257-0012*	Exterior Metal Window Systems (Behind Wood Paneling on SW Windows) - Window Glaze (Black)	Brown/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-04C *132202257-0013*	Exterior Metal Window Systems (Behind Wood Paneling on SW Windows) - Window Glaze (Black)	Brown/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-05A *132202257-0014*	Interior - Walls (Also Behind Lower Shelves & Side Wall Wood Shelves) - Gypsum Board	Gray/Tan Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
M-05B *132202257-0015*	Interior - Walls (Also Behind Lower Shelves & Side Wall Wood Shelves) - Gypsum Board	Gray/Tan Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
M-05C *132202257-0016*	Interior - Walls (Also Behind Lower Shelves & Side Wall Wood Shelves) - Gypsum Board	Gray/Tan Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
M-06A *132202257-0017*	Interior - Walls - Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
M-06B *132202257-0018*	Interior - Walls - Joint Compound				Positive Stop (Not Analyzed)
M-06C *132202257-0019*	Interior - Walls - Joint Compound				Positive Stop (Not Analyzed)
M-07A *132202257-0020*	Interior - Walls - Above Susp. Ceiling Tile at Exterior Soffits - Fiberglass Batting Insulation Foil Paper	Tan/Silver Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
M-07B *132202257-0021*	Interior - Walls - Above Susp. Ceiling Tile at Exterior Soffits - Fiberglass Batting Insulation Foil Paper	Tan/Silver Fibrous Homogeneous	50% Cellulose	50% Non-fibrous (Other)	None Detected
M-08A *132202257-0022*	Interior - Walls - Pegboards - Yellow/Tan Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-08B *132202257-0023*	Interior - Walls - Pegboards - Yellow/Tan Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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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**
M-09A *132202257-0024*	Interior - Walls - at Metal Columns (Seams) - White Expansion Joint Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-09B *132202257-0025*	Interior - Walls - at Metal Columns (Seams) - White Expansion Joint Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-10A *132202257-0026*	Interior - Walls - Baths (Plastic Panels) - Tan Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-10B *132202257-0027*	Interior - Walls - Baths (Plastic Panels) - Tan Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-11A *132202257-0028*	Interior - (Fiberglass) Pipe Insulation - Appears "New" - Foil Paper/Wrap	White/Silver Fibrous Homogeneous	60% Glass	40% Non-fibrous (Other)	None Detected
M-11B *132202257-0029*	Interior - (Fiberglass) Pipe Insulation - Appears "New" - Foil Paper/Wrap	White/Silver Fibrous Homogeneous	60% Glass	40% Non-fibrous (Other)	None Detected
M-11C *132202257-0030*	Interior - (Fiberglass) Pipe Insulation - Appears "New" - Foil Paper/Wrap	White/Silver Fibrous Homogeneous	60% Glass	40% Non-fibrous (Other)	None Detected
M-12A *132202257-0031*	Interior - (Fiberglass) Pipe Insulation - Appears "Old" - Foil Paper/Wrap	Tan/Silver/Yellow Fibrous Homogeneous	20% Cellulose 30% Glass	50% Non-fibrous (Other)	None Detected
M-12B *132202257-0032*	Interior - (Fiberglass) Pipe Insulation - Appears "Old" - Foil Paper/Wrap	Tan/Silver/Yellow Fibrous Homogeneous	20% Cellulose 30% Glass	50% Non-fibrous (Other)	None Detected
M-12C *132202257-0033*	Interior - (Fiberglass) Pipe Insulation - Appears "Old" - Foil Paper/Wrap	Tan/Silver/Yellow Fibrous Homogeneous	20% Cellulose 30% Glass	50% Non-fibrous (Other)	None Detected
M-13A *132202257-0034*	Interior - (Fiberglass) Pipe Insulation - Appears "Old" - Black Adhesive on Foil Paper	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-13B *132202257-0035*	Interior - (Fiberglass) Pipe Insulation - Appears "Old" - Black Adhesive on Foil Paper	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-14A *132202257-0036*	Interior - Break Room Sink - Black Sink Undercoating (1 Sink)	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
M-14B *132202257-0037*	Interior - Break Room Sink - Black Sink Undercoating (1 Sink)				Positive Stop (Not Analyzed)
M-15A *132202257-0038*	Interior - Janitor's Closet Ceiling - 2'x4' Susp. Ceiling Tile (Pinhole)	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	30% Non-fibrous (Other)	None Detected

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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**
M-15B *132202257-0039*	Interior - Janitor's Closet Ceiling - 2'x4' Susp. Ceiling Tile (Pinhole)	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	30% Non-fibrous (Other)	None Detected
M-16A *132202257-0040*	Interior - Public Bathroom Ceiling - 2'x4' Susp. Ceiling Tile (Gypsum)	Tan/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
M-16B *132202257-0041*	Interior - Public Bathroom Ceiling - 2'x4' Susp. Ceiling Tile (Gypsum)	Tan/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
M-17A *132202257-0042*	Interior - Main Library (North) - 2'x2' Susp. Ceiling Tile (Rough Fissure)	White Fibrous Homogeneous	65% Min. Wool	35% Non-fibrous (Other)	None Detected
M-17B *132202257-0043*	Interior - Main Library (Center) - 2'x2' Susp. Ceiling Tile (Rough Fissure)	White Fibrous Homogeneous	65% Min. Wool	35% Non-fibrous (Other)	None Detected
M-17C *132202257-0044*	Interior - Main Library (South) - 2'x2' Susp. Ceiling Tile (Rough Fissure)	White Fibrous Homogeneous	65% Min. Wool	35% Non-fibrous (Other)	None Detected
M-18A *132202257-0045*	Interior - Floor - Beneath Carpeting (Green) - Carpet Adhesive (w/ Residual Brown Floor Mastic)	Brown/Green Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
M-18B *132202257-0046*	Interior - Floor - Beneath Carpeting (Green) - Carpet Adhesive (w/ Residual Brown Floor Mastic)				Positive Stop (Not Analyzed)
M-18C *132202257-0047*	Interior - Floor - Beneath Carpeting (Green) - Carpet Adhesive (w/ Residual Brown Floor Mastic)				Positive Stop (Not Analyzed)
M-19A *132202257-0048*	Interior - Floor - Staff Bath (Top Layers) - 12"x12" Green Mottle Floor Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-19B *132202257-0049*	Interior - Floor - Public Bath (Top Layers) - 12"x12" Green Mottle Floor Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-20A *132202257-0050*	Interior - Floor - Staff Bath (Top Layers) - Yellow Adhesive Assoc. w/ 19	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-20B *132202257-0051*	Interior - Floor - Public Bath (Top Layers) - Yellow Adhesive Assoc. w/ 19	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 132202257
Customer ID: MMAC42
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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**
M-21A *132202257-0052*	Interior - Floor - Staff Bath (Lower Layers) - 12"x12" Green Mottle Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-21B *132202257-0053*	Interior - Floor - Public Bath (Lower Layers) - 12"x12" Green Mottle Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-22A *132202257-0054*	Interior - Floor - Staff Bath (Lower Layers) - Yellow Adhesive Assoc. w/ 21	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-22B *132202257-0055*	Interior - Floor - Public Bath (Lower Layers) - Yellow Adhesive Assoc. w/ 21	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-23A *132202257-0056*	Interior - Floor - Storage Room - 12"x12" Gray Mottle Floor Tile	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
M-23B *132202257-0057*	Interior - Floor - Storage Room - 12"x12" Gray Mottle Floor Tile				Positive Stop (Not Analyzed)
M-24A *132202257-0058*	Interior - Floor - Storage Room - Black Mastic Assoc. w/ 23	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
M-24B *132202257-0059*	Interior - Floor - Storage Room - Black Mastic Assoc. w/ 23				Positive Stop (Not Analyzed)
M-25A *132202257-0060*	Roof - Lower NW Flat EPDM Membrane - Yellow Adhesive (Field)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-25B *132202257-0061*	Roof - Lower NW Flat EPDM Membrane - Yellow Adhesive (Field)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-26A *132202257-0062*	Roof - Lower NW Flat EPDM Membrane - Gray Paper Beneath 25 (Assoc. w/ Foam)	Gray Fibrous Homogeneous	85% Cellulose 10% Glass	5% Non-fibrous (Other)	None Detected
M-26B *132202257-0063*	Roof - Lower NW Flat EPDM Membrane - Gray Paper Beneath 25 (Assoc. w/ Foam)	Gray Fibrous Homogeneous	85% Cellulose 10% Glass	5% Non-fibrous (Other)	None Detected
M-27A *132202257-0064*	Roof - Lower NW Flat EPDM Membrane - Black Edge Mastic (on Wood Nailer)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-27B *132202257-0065*	Roof - Lower NW Flat EPDM Membrane - Black Edge Mastic (on Wood Nailer)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-28A *132202257-0066*	Roof - Main Flat EPDM System - Black Seam/Lap Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 132202257
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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**
M-28B *132202257-0067*	Roof - Lower SW/Rear System - Black Seam/Lap Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-29A *132202257-0068*	Roof - Main Flat EPDM System - Residual Tar & Gravel System (Field)	Gray/Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
M-29B *132202257-0069*	Roof - Found at NW Edge (Under EPDM) (Assumed Throughout Roof) - Residual Tar & Gravel System (Field)	Gray/Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
M-30A *132202257-0070*	Roof - Main Center (Lower Near HVAC Unit) - Electrical Pitch Pocket Mastic (Black)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-30B *132202257-0071*	Roof - Main Center (Lower Near HVAC Unit) - Electrical Pitch Pocket Mastic (Black)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-31A *132202257-0072*	Roof - Main Center (Lower Near HVAC Unit) - Vent Mastic (Black)	Black Non-Fibrous Homogeneous		88% Non-fibrous (Other)	12% Chrysotile
M-31B *132202257-0073*	Roof - Main Center (Lower Near HVAC Unit) - Vent Mastic (Black)				Positive Stop (Not Analyzed)
M-32A *132202257-0074*	Roof - 8' Vertical Cream Panels (Running North to South) - West Side - Black Coating on Metal Sheathing of Wood Behind Panel	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-32B *132202257-0075*	Roof - 8' Vertical Cream Panels (Running North to South) - East Side - Black Coating on Metal Sheathing of Wood Behind Panel	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-33A *132202257-0076*	Roof - 8' Vertical Cream Panels (Running North to South) - West Side - Adhesive on Metal Sheathing of Wood Paneling (Back Side)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-33B *132202257-0077*	Roof - 8' Vertical Cream Panels (Running North to South) - East Side - Adhesive on Metal Sheathing of Wood Paneling (Back Side)	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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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**
M-34A *132202257-0078*	Roof - 8' Vertical Cream Panels (Running North to South) - West Side - Paper behind 32/33	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
M-34B *132202257-0079*	Roof - 8' Vertical Cream Panels (Running North to South) - East Side - Paper behind 32/33	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
M-35A *132202257-0080*	Roof - Main & Lower Roofs - Perimeter Wall Drains - Gray Fastener Sealant	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
M-35B *132202257-0081*	Roof - Main & Lower Roofs - Perimeter Wall Drains - Gray Fastener Sealant	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
John McCarthy (27)
Steve Grise (46)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/06/2022 16:07:39

OrderID: 132202257

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Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

132202257

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnAsblab@EMSL.com

Customer Information		Billing Information	
Customer ID:	MMAC42	Billing ID:	
Company Name:	SLR International Corporation	Company Name:	SLR International Corporation
Contact Name:	Keith Allard	Billing Contact:	Keith Allard
Street Address:	2 Commerce Drive, Suite 110	Street Address:	2 Commerce Drive, Suite 110
City, State, Zip:	Bedford, NH 03110 Country: US	City, State, Zip:	Bedford, NH 03110 Country: US
Phone:	603 289-1951	Phone:	603 289-1951
Email(s) for Report:	kallard@slrconsulting.com	Email(s) for Invoice:	kallard@slrconsulting.com

Project Information

Project Name/No: 144.12571.00015.0060 - McMahon

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected:

State of Connecticut (CT) must select project location: ☑ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: Ryan Rouillard

Sampled By Signature: [signature]

No. of Samples in Shipment: 8/

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

Test Selection

PLM - Bulk (reporting limit)

- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Bulk

- ☐ TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Tests (please specify)

☑ Positive Stop - Clearly Identified Homogeneous Areas (HA)

Sample Number	HA Number	Sample Location	Material Description
M01-A		Inside Perimeter Block/Brick Wall Cavity (Janitor's Closet)	Vermiculite Insulation
B		↓ Believed to be in all perimeter walls.	↓
C		↓	↓
D		↓	↓
E		↓	↓
M02 A		Exterior - Brick Facade Wall Seams	Expansion Joint Caulk (Brown)
B		↓	↓
M03 A		- Slab/Foundation Walls	Cementitious Coating (Gray)
B		↓	↓
C		↓	↓

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

SM 940 (1/2) AFX 7963 6963 6101

Method of Shipment:			Sample Condition Upon Receipt:		
Relinquished by: [signature]	Date/Time: 3/21/22		Received by: REC'D EMSL-BOSTON MAR 30 2022		Date/Time
Relinquished by:	Date/Time:		Received by:		Date/Time

Controlled Document - Asbestos Bulk R5 03/18/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

OrderID: 132202257

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Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

132202257

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EMAIL: CinnAsblab@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	HA Number	Sample Location	Material Description
M04 A		Exterior Metal Window Systems	Window Glaze (Black)
B		Behind wood panelling on Southwest windows	
C			
M05 A		Interior – Walls	Gypsum Board
B		(Also behind lower book shelves & side of all wood shelves)	
C			
M06 A			Joint Compound
B			
C			
M07 A		– Above Susp. Ceiling Tile At Exterior soffits	Fiberglass Batting Insulation Foil/Paper
B			
M08 A		– Pegboards	(Yellow/Tan) Adhesive
B			
M09 A		– At Metal Columns (Seams)	(White) Expansion Joint Caulk
B			
M10 A		– Baths (Plastic Panels)	(Tan) Adhesive
B			
M11 A		(Fiberglass) Pipe Insulation	Foil Paper / Wrap
B		Appears "New"	
C			
M12 A		(Appears "Old")	
B			
C			
M13 A			(Black) Adhesive on Foil/Paper
B			

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 3/21/22	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by: RECD EMSL-BARSTOW MAR 30 2022	Date/Time

Controlled Document - Asbestos Bulk R5 03/18/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

OrderID: 132202257

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

132202257

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAslab@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	HA Number	Sample Location	Material Description
M14A		Interior - Break Room Sink	(Black) Sink Undercoating & Sink
B			
M15A		- Janitor's Closet Ceiling	2'x4' Susp. Ceiling Tile (Fissured)
B			
M16A		- Public Bathroom Ceiling	(Gypsum)
B			
M17A		- Main Library (North)	2'x2' Susp. Ceiling Tile (Rough Fissured)
B		- (Center)	
C		- (South)	
M18A		- Floor ~ Beneath Carpeting	(Green) Carpet Adhesive
B		-	
C		-	(w/ Residual Brown Floor Mastic)
M19A		- ~ STAFF BATH	12"x12" Green Mottle Floor Tile
B		- ~ Public BATH	
M20A		- ~ STAFF BATH (Upper Floors)	(Yellow) Adhesive assoc. w/19
B		- ~ Public BATH (Upper Floors)	
M21A		- ~ STAFF BATH	12"x12" Green Mottle Floor Tile
B		- ~ Public BATH	
M22A		- ~ STAFF BATH (Lower Floors)	(Yellow) Adhesive assoc. w/21
B		- ~ Public BATH (Lower Floors)	
M23A		- ~ Storage Room	12"x12" Gray Mottle Floor Tile
B		-	
M24A		-	(Black) Mastic assoc. w/23
B		-	

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 3/21/22	Received by: RECD EMSL-BOSTON MAR 30 2022	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - Asbestos Bulk R5 03/18/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

OrderID: 132202257

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

132202257

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAslab@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	HA Number	Sample Location	Material Description
M25A		Roof - Lower N.W. Flat EPDM Membrane	(Yellow) Adhesive (Field) ~6,720 SF +/-
B			
M26A			(Gray) Paper beneath 25 (assoc. w/ foam)
B			
M27A			(Black) Edge Mastic for wood nailer 912 +/- SF
B			
M28A		- Main Flat EPDM System	(Black) Seam/Lap Sealant 940 +/- LF
B		- Lower S.W./Rear System	
M29A		- Main Flat EPDM System (Found at S.W. edge under EPDM Assumed throughout roof.)	Residual Tar & Gravel System 7,880+/- SF (Field)
B			
M30A		- Main Center (Lower, near HVAC unit)	Electrical Pitch Pocket Mastic (Black) 4SF
B			
M31A			Vent Mastic (Black) 2SF
B			
M32A		8' Vertical Cream Panels - West Side	Black Coating on Metal Sheathing of Wood behind Panel
B		- East Side	
M33A		- West Side (Running North to South)	Adhesive on Metal Sheathing of Wood Paneling (Backside)
B		- East Side	
M34A		- West Side	Paper behind 32/33
B		- East Side	
M35A		- Main & Lower Roofs - Perimeter Wall Drains	(Gray) Fastener Sealant 1SF Est. (8 Locations)
B			
		END	

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 3/21/22	Received by: REC'D EMSL-BOSTON MAR 30 2022	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - Asbestos Bulk R5 03/18/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

APPENDIX B

LEAD ANALYTICAL LABORATORY REPORTS AND CHAINS OF CUSTODY

EMSL Analytical, Inc.
528 Mineola Avenue, Carle Place, NY 11514
Phone/Fax: (516) 997-7251 / (516) 997-7528
http://www.EMSL.com carleplacelab@emsl.com

EMSL Order:	062206187
CustomerID:	MMAC42
CustomerPO:	
ProjectID:	

Attn: **Keith Allard**
SLR International Corporation
2 Commerce Drive, Suite 110
Bedford, NH 03110

Phone: (203) 271-1773
Fax:
Received: 3/31/2022 10:45 AM
Collected: 3/17/2022

Project: **144.12571.00015.0060-McMahon**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
1M	*062206187-0001*	3/17/2022	4/7/2022	<0.012 % wt
	Site: Kitchenette (Pink/Blue)			
2M	*062206187-0002*	3/17/2022	4/7/2022	<0.0080 % wt
	Site: Interior CMU Walls (Lt. Gray/Wht)			

Dominique Iaccarino, Chemistry Lab Manager
or other approved signatory

* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by AIHA-LAP, LLC in the env. accreditation program for Lead in Paint, CT PH-0249, CA ELAP 2339

Initial report from 04/07/2022 09:58:19

OrderID: 062206187

Lead Chain of Custody

EMSL Order Number / Lab Use Only: 062206187

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:	MMAC42	Billing ID:	
Company Name:	SLR International Corporation	Company Name:	SLR International Corporation
Contact Name:	Keith Allard	Billing Contact:	Keith Allard
Street Address:	2 Commerce Drive, Suite 110	Street Address:	2 Commerce Drive, Suite 110
City, State, Zip:	Bedford, NH 03110	City, State, Zip:	Bedford, NH 03110
Country:	US	Country:	US
Phone:	603 289-1951	Phone:	603 289-1951
Email(s) for Report:	kallard@slrconsulting.com	Email(s) for Invoice:	kallard@slrconsulting.com

Project Information

Project Name/No:	144.12571.00015.0060 - McMahon	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	CT
State of Connecticut (CT) must select project location:	☑ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:		Sampled By Signature:	
No. of Samples in Shipment	2		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1M	Kitchenette (Pink/BLUE)	400 +/- SF	3/17/2022
2M	Interior CMU walls (Lt. Gray/WHT)	1,500 +/- SF	3/17/2022
		** MAY BE EXTRA BEHIND GYP. BOARD SHELVES.	

Method of Shipment: FEDEX

Relinquished by:	Date/Time: 3/18/2022	Sample Condition Upon Receipt:	
Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by: REC'D EMSL-CINNAMINSON	Date/Time

Controlled Document - COC-25 Lead R18 4/19/2021

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. co... acceptance and acknowledgment of all terms and conditions by Customer.

Page 1

APPENDIX C

POLYCHLORINATED BIPHENYL ANALYTICAL LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

Tuesday, March 29, 2022

Attn: Ryan Rouillard
SLR International Corporation
45 Glastonbury Boulevard
Glastonbury, CT 06033

Project ID: **MCMAHON**
SDG ID: **GCK91718**
Sample ID#s: CK91718 - CK91722

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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 are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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
UT Lab Registration #CT00007
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

Sample Id Cross Reference

March 29, 2022

SDG I.D.: GCK91718

Project ID: MCMAHON

Client Id	Lab Id	Matrix
1M GRAY SIDEWALK CAULK	CK91718	CAULK
2M EXT BLK WINDOW GLAZE	CK91719	CAULK
3M BLACK SEAM SEALANT	CK91720	CAULK
4M EXT GRAY EXPANS. CAULK	CK91721	CAULK
5M EXT BLACK VENT MASTIC	CK91722	CAULK

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

Analysis Report

March 29, 2022

FOR: Attn: Ryan Rouillard
SLR International Corporation
45 Glastonbury Boulevard
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:		03/17/22	
Location Code:	SLR-NH	Received by:	CP	03/22/22	16:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	144.12571.00015.0060				

Laboratory Data

SDG ID: GCK91718
Phoenix ID: CK91718

Project ID: MCMAHON
Client ID: 1M GRAY SIDEWALK CAULK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/22/22	P/H/K	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1221	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1232	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1242	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1248	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1254	1.1	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1260	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1262	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
PCB-1268	ND	0.9	mg/kg	5	03/23/22	SC	SW8082A
QA/QC Surrogates							
% DCBP	81		%	5	03/23/22	SC	30 - 150 %
% DCBP (Confirmation)	72		%	5	03/23/22	SC	30 - 150 %
% TCMX	66		%	5	03/23/22	SC	30 - 150 %
% TCMX (Confirmation)	62		%	5	03/23/22	SC	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
March 29, 2022
Reviewed and Released by: Rashmi Makol, 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

March 29, 2022

FOR: Attn: Ryan Rouillard
SLR International Corporation
45 Glastonbury Boulevard
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:		03/17/22	
Location Code:	SLR-NH	Received by:	CP	03/22/22	16:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	144.12571.00015.0060				

Laboratory Data

SDG ID: GCK91718
Phoenix ID: CK91719

Project ID: MCMAHON
Client ID: 2M EXT BLK WINDOW GLAZE

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/22/22	P/H/K	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1221	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1232	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1242	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1248	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1254	7.1	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1260	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1262	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
PCB-1268	ND	2.1	mg/kg	10	03/23/22	SC	SW8082A
QA/QC Surrogates							
% DCBP	68		%	10	03/23/22	SC	30 - 150 %
% DCBP (Confirmation)	63		%	10	03/23/22	SC	30 - 150 %
% TCMX	61		%	10	03/23/22	SC	30 - 150 %
% TCMX (Confirmation)	58		%	10	03/23/22	SC	30 - 150 %

Project ID: MCMAHON
Client ID: 2M EXT BLK WINDOW GLAZE

Phoenix I.D.: CK91719

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

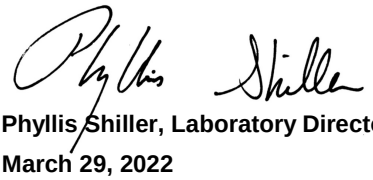
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
March 29, 2022
Reviewed and Released by: Rashmi Makol, 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

March 29, 2022

FOR: Attn: Ryan Rouillard
SLR International Corporation
45 Glastonbury Boulevard
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:		03/17/22	
Location Code:	SLR-NH	Received by:	CP	03/22/22	16:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	144.12571.00015.0060				

Laboratory Data

SDG ID: GCK91718
Phoenix ID: CK91720

Project ID: MCMAHON
Client ID: 3M BLACK SEAM SEALANT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Caulk Extraction for PCB	Completed				03/24/22	P/B/K\H	SW3540C	
PCB (Soxhlet SW3540C)								
PCB-1016	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1221	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1232	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1242	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1248	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1254	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1260	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1262	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1268	ND	0.5	mg/kg	2	03/25/22	SC	SW8082A	
QA/QC Surrogates								
% DCBP	21		%	2	03/25/22	SC	30 - 150 %	3
% DCBP (Confirmation)	17		%	2	03/25/22	SC	30 - 150 %	3
% TCMX	10		%	2	03/25/22	SC	30 - 150 %	3
% TCMX (Confirmation)	11		%	2	03/25/22	SC	30 - 150 %	3

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

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment:
For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

PCB Comment:
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
March 29, 2022
Reviewed and Released by: Rashmi Makol, 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

March 29, 2022

FOR: Attn: Ryan Rouillard
SLR International Corporation
45 Glastonbury Boulevard
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:		03/17/22	
Location Code:	SLR-NH	Received by:	CP	03/22/22	16:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	144.12571.00015.0060				

Laboratory Data

SDG ID: GCK91718
Phoenix ID: CK91721

Project ID: MCMAHON
Client ID: 4M EXT GRAY EXPANS. CAULK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				03/22/22	P/H/K	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1221	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1232	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1242	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1248	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1254	33000	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1260	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1262	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
PCB-1268	ND	3900	mg/kg	25000	03/23/22	SC	SW8082A
QA/QC Surrogates							
% DCBP	Diluted Out		%	25000	03/23/22	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	25000	03/23/22	SC	30 - 150 %
% TCMX	Diluted Out		%	25000	03/23/22	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	25000	03/23/22	SC	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
March 29, 2022
Reviewed and Released by: Rashmi Makol, 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

March 29, 2022

FOR: Attn: Ryan Rouillard
SLR International Corporation
45 Glastonbury Boulevard
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:		03/17/22	
Location Code:	SLR-NH	Received by:	CP	03/22/22	16:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	144.12571.00015.0060				

Laboratory Data

SDG ID: GCK91718
Phoenix ID: CK91722

Project ID: MCMAHON
Client ID: 5M EXT BLACK VENT MASTIC

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Caulk Extraction for PCB	Completed				03/24/22	P/B/K\H	SW3540C	
PCB (Soxhlet SW3540C)								
PCB-1016	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1221	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1232	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1242	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1248	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1254	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1260	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1262	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
PCB-1268	ND	0.49	mg/kg	2	03/25/22	SC	SW8082A	
QA/QC Surrogates								
% DCBP	22		%	2	03/25/22	SC	30 - 150 %	3
% DCBP (Confirmation)	21		%	2	03/25/22	SC	30 - 150 %	3
% TCMX	18		%	2	03/25/22	SC	30 - 150 %	3
% TCMX (Confirmation)	18		%	2	03/25/22	SC	30 - 150 %	3

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

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment:
For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

PCB Comment:
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
March 29, 2022
Reviewed and Released by: Rashmi Makol, 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

March 29, 2022

QA/QC Data

SDG I.D.: GCK91718

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 616803 (ug/Kg), QC Sample No: CK91544 10X (CK91718, CK91719, CK91721)											
Polychlorinated Biphenyls											
PCB-1016	ND	170	63	77	20.0				40 - 140	30	
PCB-1221	ND	170							40 - 140	30	
PCB-1232	ND	170							40 - 140	30	
PCB-1242	ND	170							40 - 140	30	
PCB-1248	ND	170							40 - 140	30	
PCB-1254	ND	170							40 - 140	30	
PCB-1260	ND	170	74	87	16.1				40 - 140	30	
PCB-1262	ND	170							40 - 140	30	
PCB-1268	ND	170							40 - 140	30	
% DCBP (Surrogate Rec)	88	%	74	91	20.6				30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	92	%	76	92	19.0				30 - 150	30	
% TCMX (Surrogate Rec)	81	%	60	82	31.0				30 - 150	30	r
% TCMX (Surrogate Rec) (Confirm	83	%	61	83	30.6				30 - 150	30	r
Comment:											
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.											
QA/QC Batch 617167 (ug/Kg), QC Sample No: CK92813 10X (CK91720, CK91722)											
Polychlorinated Biphenyls											
PCB-1016	ND	170	85	68	22.2				40 - 140	30	
PCB-1221	ND	170							40 - 140	30	
PCB-1232	ND	170							40 - 140	30	
PCB-1242	ND	170							40 - 140	30	
PCB-1248	ND	170							40 - 140	30	
PCB-1254	ND	170							40 - 140	30	
PCB-1260	ND	170	98	98	0.0				40 - 140	30	
PCB-1262	ND	170							40 - 140	30	
PCB-1268	ND	170							40 - 140	30	
% DCBP (Surrogate Rec)	89	%	101	106	4.8				30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	92	%	104	107	2.8				30 - 150	30	
% TCMX (Surrogate Rec)	73	%	82	73	11.6				30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	76	%	86	72	17.7				30 - 150	30	
Comment:											
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.											

r = This parameter is outside laboratory RPD specified recovery limits.

QA/QC Data

SDG I.D.: GCK91718

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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
March 29, 2022

Tuesday, March 29, 2022

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCK91718 - SLR-NH

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK91718	$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	1.1	0.9	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	7.1	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91719	$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	2.1	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	33000	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	3900	1	1	mg/kg
CK91721	$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	3900	1	1	mg/kg

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc. ***Client:*** SLR International Corporation

Project Location: MCMAHON ***Project Number:***

Laboratory Sample ID(s): CK91718-CK91722 ***Sampling Date(s):*** 3/17/2022

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8082

1	**For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
1A	**Were the method specified preservation and holding time requirements met?**	☑ Yes ☐ No
1B	***VPH and EPH methods only:*** **Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☑ Yes ☐ No ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Section: PCB Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?**	☐ Yes ☑ No
	b) Were these reporting limits met?	☑ Yes ☐ No
6	**For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?**	☑ Yes ☐ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: Rashmi Makol **Position:** Project Manager

Printed Name: Rashmi Makol **Date:** Tuesday, March 29, 2022

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

March 29, 2022

SDG I.D.: GCK91718

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 616803 (Samples: CK91718, CK91719, CK91721): -----

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% TCMX (Surrogate Rec), % TCMX (Surrogate Rec) (Confirmation))

Instrument:

AU-ECD6 03/23/22-1 Saadia Chudary, Chemist 03/23/22

CK91718 (5X), CK91719 (10X), CK91721 (25000X)

The initial calibration (PC315AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC315BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD6 03/25/22-1 Saadia Chudary, Chemist 03/25/22

CK91720 (2X), CK91722 (2X)

The initial calibration (PC315AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC315BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:
Samples: CK91720, CK91722
Preceding CC 325B021 - None.
Succeeding CC 325B034 - DCBP SURR -21%L (15%)

QC (Batch Specific):

Batch 616803 (CK91544)

CK91718, CK91719, CK91721

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: % TCMX (Surrogate Rec)(31.0%), % TCMX (Surrogate Rec) (Confirmation)(30.6%)
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Batch 617167 (CK92813)

CK91720, CK91722

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Temperature Narration

The samples were received at 2.3C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

WCIP 2.3

CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: SLR International Corp

Address: 2 Commerce Drive, Suite 110

Bedford, NH 03110

Phone: 781-603-5375

Fax: 203-272-9733

Email: RRouillard@slrconsulting.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: McMahon

Project Location: 1015 BLUE HILLS AVE

Project #: 144.12571.00015.0060

Project Manager: R. Rouillard

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
CT	

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB 8082/3540-C	Metals - PPM-13 R8	VOCs-EPA 8260	TCLP 20-times rule									Sample Specific Comments	TOTAL # BOTTLES
91718	1M - Gray Sidewalk Caulk	3/17/22				☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
91719	2M - Ext. Blk wind. glaze	3/17/22				☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
91720	3M - Black Seam Sealant	3/17/22				☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
91721	4M - Ext. Gray Expans. Caulk	3/17/22				☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
91722	5M - Ext. Black Vent Mastic	3/17/22				☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		1
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-		
					Preservative	A	-	-	-	-	-	-	-	-	-	-	-		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/21/2022	[signature]	3-22-22 12:15
[signature]	[initials]	[signature]	3/22 1058

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I)
(rev. 5-JAN-12)

APPENDIX D

LICENSES

WALLET CARD

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
RYAN D ROUILLARD

VALIDATION NO	CERTIFICATE NO	CURRENT THROUGH
03-871327	000312	02/28/22

PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

SIGNATURE — ACTING COMMISSIONER

INSTITUTE FOR ENVIRONMENTAL EDUCATION

This is to certify that

Ryan D. Rouillard

. . Heather Hill Lane, Goffstown, NH 03045

has completed the requisite training by Video Conference, and has passed an examination for reaccreditation

Asbestos Management Planner Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Zoom Video Conference
Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

November 18, 2021
Course Dates

21-3788-136-226296
Certificate Number

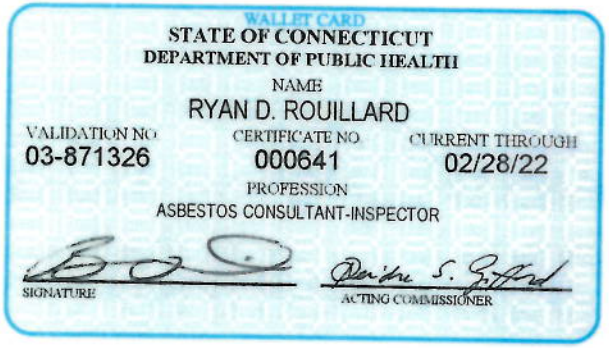
November 18, 2021
Examination Date

November 18, 2022
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION


WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
RYAN D. ROUILLARD
VALIDATION NO: 03-871326
CERTIFICATE NO: 000641
CURRENT THROUGH: 02/28/22
PROFESSION
ASBESTOS CONSULTANT-INSPECTOR
SIGNATURE
ACTING COMMISSIONER

This is to certify that

Ryan D. Rouillard

Heather Hill Lane, Goffstown, NH 03045

INSTITUTE FOR ENVIRONMENTAL EDUCATION

has completed requisite training by Video Conference, and has passed an examination for reaccreditation as:

Asbestos Inspector Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Zoom Video Conference
Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

November 18, 2021
Course Dates

21-3601-106-226296
Certificate Number

November 18, 2021
Examination Date

November 18, 2022
Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
RYAN D ROUILLARD

VALIDATION NO	CERTIFICATE NO	CURRENT THROUGH
03-871329	000307	02/28/22

PROFESSION
ASBESTOS CONSULTANT-PROJECT DESIGNER

SIGNATURE — ACTING COMMISSIONER

INSTITUTE FOR ENVIRONMENTAL EDUCATION

This is to certify that

Ryan D. Rouillard

Heather Hill Lane, Goffstown, NH 03045

has completed the requisite training by Video Conference, and has passed an examination for reaccreditation

Asbestos Designer Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Zoom Video Conference
Institute for Environmental Education 16 Upton Drive Wilmington, MA 01887

October 26, 2021
Course Dates

October 26, 2021
Examination Date

October 26, 2022
Expiration Date

21-3839-128-226296
Certificate Number

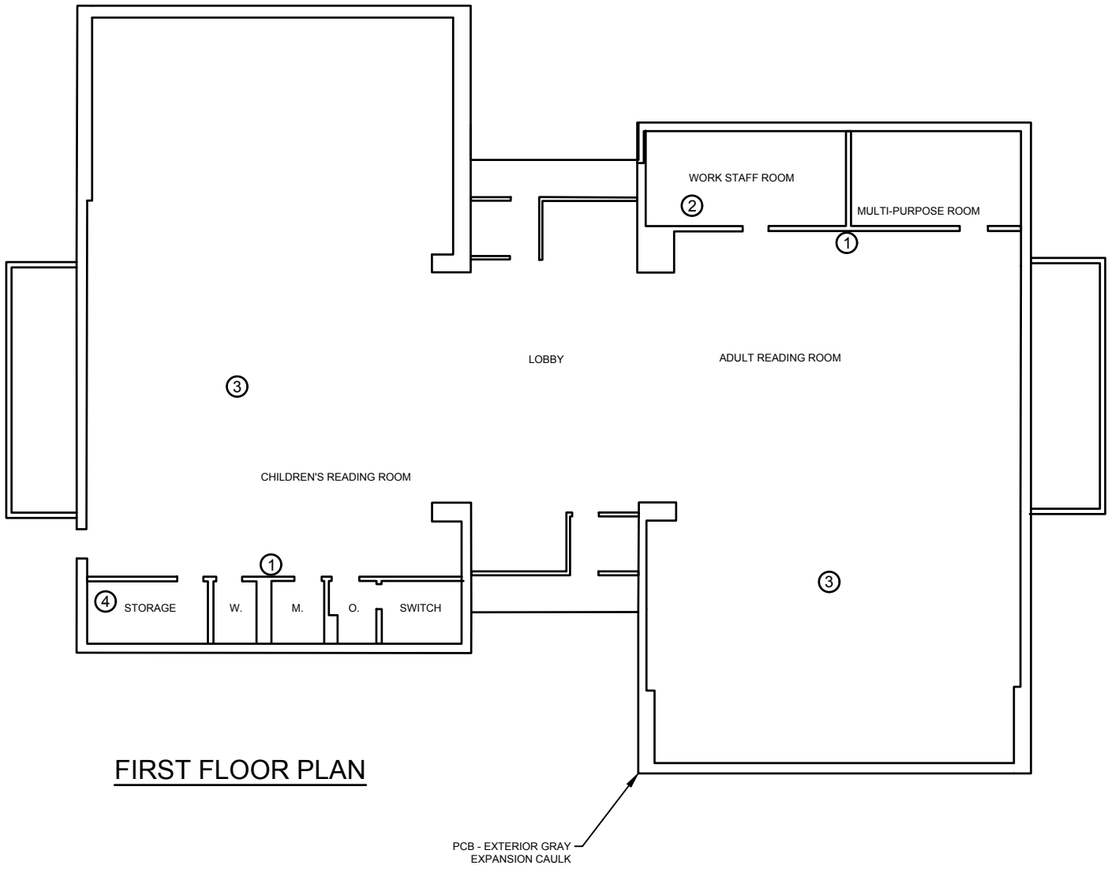
Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272 www.ieetrains.com

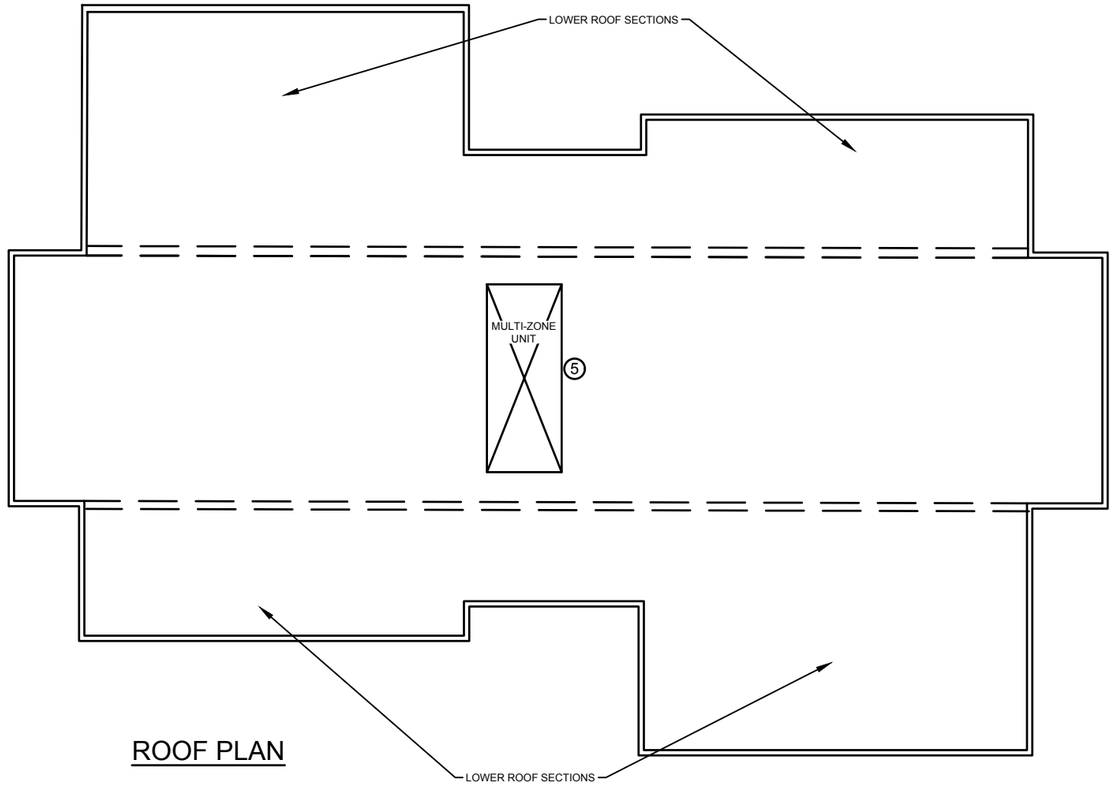
INSTITUTE FOR ENVIRONMENTAL EDUCATION

APPENDIX E

DRAWING



FIRST FLOOR PLAN



ROOF PLAN

LEGEND:

Plan #	Material Description	Location
①	Joint Compound	Interior Walls
②	Black Sink Undercoating	Break Room Sink
③	Carpet Adhesive (with Residual Brown Floor Mastic)	Floor Beneath Carpeting (Green)
④	12"x12" Gray Mottle Floor Tile	Storage Room Floor
	Black Mastic associated with 12"x12" Gray Mottle Floor Tile	
⑤	Vent Mastic (Black)	Main Roof - Center (Lower Near HVAC Unit)

0' 10' 20'
0 1/2" 1"

SLR
2 COMMERCE DRIVE, SUITE 110
BEDFORD, NH 03110
603.488.1554
SLRCONSULTING.COM

REVISIONS

SAMPLING LOCATION PLAN

McMAHON WINTONBURY LIBRARY
HAZARDOUS MATERIALS SURVEY

1015 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

--	JRC	RR
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'±

DATE: APRIL 15, 2022

PROJECT NO.: 144.12571.00015

SHEET NO.: 2

Drawing: C:\USERS\JCARRIER\APPDATA\LOCAL\TEMP\AXPUBLISH_20336\PROSSER LIBRARY.DWG Layout: Tab2
Plotted by: JCARRIER On this date: Mon, 2022 April 18 - 3:08pm

Date Saved: 4/26/2022

Document Path: N:\NY-Hartford\GIS\GIS Projects\125 71-15\Maps\figure3_proposed_mcmahon.mxd

SLR

45 GLASTONBURY BLVD
1ST FL
GLASTONBURY, CT 06033
860.400.5680

PROPOSED PHASE II SOIL SAMPLES

PHASE I ENVIRONMENTAL SITE ASSESSMENT
TOWN OF BLOOMFIELD, P.FAITH MCMAHON LIBRARY
1015 BLUE HILLS AVENUE
BLOOMFIELD, CONNECTICUT

N

0 100
Feet

SCALE 1 " = 150 '

DATE 4/26/2022

144.12571.00015
PROJ. NO.

FIG. 3