REMOVAL PROGRAM
PRELIMINARY ASSESSMENT/
SITE INVESTIGATION REPORT
FOR THE
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, WORCESTER COUNTY, MASSACHUSETTS
10 NOVEMBER and 1 AND 2 DECEMBER 2015

Prepared For:

U.S. Environmental Protection Agency
Region I
Emergency Planning and Response Branch
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

CONTRACT NO. EP-S3-15-01

TO/TDD NO. TO1-01-15-10-0003

TASK NO. 0077

DC NO. R-00145

Submitted By:

Weston Solutions, Inc.
Region I
Superfund Technical Assessment and Response Team IV (START)
101 Billerica Avenue, Building 5, Suite 103
North Billerica, Massachusetts 01862

March 2016

SEMS Doc ID 593660

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I. Preliminary Assessment/Site Investigation Forms

EPA REGION I
REMOVAL PRELIMINARY ASSESSMENT

Site Name and Location

Name: Anglo Enterprises Company **Location:** 35 Pearl Street
Town: Webster **County:** Worcester County **State:** Massachusetts

Site Status: **( ) NPL** **( ) NON-NPL** **( ) RCRA** **( ) TSCA**
( ) ACTIVE **(X) ABANDONED** **( ) OTHER**

(X) Attached USGS Map of Location **(X) Site I.D. No.:** 01MR

Latitude: 42° 3′ 40″ North **Longitude:** 71° 53′ 5″ West

Referral

( ) Citizen **(X) City/Town** **( ) State** **( ) Preremedial** **( ) RCRA**
( ) Other:

Name of referring party: Massachusetts Department of Environmental Protection (MassDEP) Asbestos Program
Address: New Bond Street, Worcester, MA 01606 **Telephone:** (508) 792-7650

Contacts Identified
1) Telephone:( )
2) Telephone:( )
3) Telephone:( )

Source of Information

( ) Verbal:
(X) Report: Bulk Asbestos Report from AEC Laboratories, LLC to LBP Solutions, LLC regarding asbestos analytical results. July 2015.
( ) Other:

Potential Responsible Parties

Owner: 35 Pearl Street Limited Liability Corporation **Telephone:( )**
Address: 725 Quaker Highway, Uxbridge, MA
Operator: Matthew Kennedy (Resident Agent) **Telephone:** (508) 294-3374
Address:

REMOVAL PRELIMINARY ASSESSMENT

Site Access

Authorizing Person: Michael P. Doherty, Attorney for 35 Pearl Street LLC
Date: 27 October 2015 **(X) Obtained** **( ) Verbal**
Telephone: ( ) **( ) Not Obtained** **(X) Written**

Historical Preservation

( ) Site is Historically Significant or Eligible for Historic Preservation

Contacts Identified

1) State Historical Preservation Officer (SHPO)
Name: Brona Simon **Telephone:** (617) 727-8470
2) Tribal Historical Preservation Officer (THPO)
Name: **Telephone:**( )

Comments:

Physical Site Characterization

Background Information: The Anglo Enterprises Company site is the location of a mill complex located at 35 Pearl Street, Webster, Worcester County, MA and owned by 35 Pearl St. Limited Liability Corporation (LLC). The former mill complex is situated on approximately 9 acres located in a congested residential/commercial/industrial area of Webster, MA. The general public is in close proximity to this area, with an apartment complex, basketball courts and a toddler playground area situated directly across the street from the site.

On 25 June 2015, the mill building was destroyed by a catastrophic fire. Immediately after the fire, the Central Regional Office (CERO) of the Massachusetts Department of Environmental Protection (MassDEP) asbestos program was made aware that exterior and interior asbestos-containing material (ACM) was present throughout the buildings through information obtained from a Division of Local Services (DLS)-licensed asbestos contractor and also a DLS-licensed asbestos inspector retained by the property owner. The DLS-licensed asbestos inspector provided MassDEP's asbestos program with the asbestos sampling results that were obtained during the 8 through 24 April 2015 exterior removal of ACM (transite) shingles and the 5 through 12 May 2015 interior removal of ACM from boilers and pipes indicating chrysotile asbestos (up to 70%) and amosite (up to 55%) in ACM. Not all asbestos had been removed prior to the fire.

The MassDEP asbestos program mobilized to the Site and conducted an inspection of the property accompanied by the DLS-licensed asbestos contractor. MassDEP personnel observed significant quantities of friable and non-friable ACM commingled with the fire/demolition debris at the site. MassDEP considers all of the fire/demolition debris to be ACM/asbestos-contaminated.

REMOVAL PRELIMINARY ASSESSMENT

Description of Substances Possibly Present, Known or Alleged: Asbestos, lead, and polychlorinated biphenyls (PCBs).

Existing Analytical Data

( ) Real-Time Monitoring Data:

(X) Sampling Data: Sampling data obtained during asbestos abatement activities was provided in the report, entitled *Bulk Asbestos Report* from AEC Laboratories, LLC.

Potential Threat

Description of potential hazards to environment and/or population-identify any of the criteria for a Removal Action (from NCP) that may be met by the site under 40 CFR 300.415 [b] [2].

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Prior Response Activities

( ) PRP **(X) STATE** **( ) FEDERAL** **( ) OTHER**

Brief Description: Prior to the conflagration that destroyed the building, asbestos abatement and removal activities had been initiated for the removal of exterior transite shingles and interior boiler and pipe wrap materials.

REMOVAL PRELIMINARY ASSESSMENT

Priority for Site Investigation

(X) High **( ) Medium** **Low ( )** **None ( )**
Comments:

Report Generation

Originator:	Eric Ackerman	**Date:**	26 February 2016
Affiliation:	Weston Solutions (START)	**Telephone:**	(978) 552-2127
TDD No.:	TO1-01-15-10-0003	**Task No.:**	0077

EPA REGION I
REMOVAL SITE INVESTIGATION

Inspection Information

Site Name: Anglo Enterprises Company **Address:** 35 Pearl Street
Town: Webster **County:** Worcester County **State:** Massachusetts
Date of Inspection: 10 November 2015 **Time of Inspection:** 1000 hours
Weather Conditions: 62° Fahrenheit, Cloudy
Date of Inspection: 1 December 2015 **Time of Inspection:** 1000 hours
Weather Conditions: 58° Fahrenheit, Cloudy
Date of Inspection: 2 December 2015 **Time of Inspection:** 0700 hours
Weather Conditions: 50° Fahrenheit, Rain
Site Status at Time of Inspection: **( ) ACTIVE** **(X) INACTIVE**
Comments:

Agencies/Personnel Performing Inspection

	Names	Program
(X) EPA:	Allen Jarrell	U.S. Environmental Protection Agency (EPA) Region I, Emergency Planning and Response Branch (EPRB), On-Scene Coordinator (OSC)
(X) EPA Contractor:	Eric Ackerman	Weston Solutions, Inc. (WESTON), Superfund Technical Assessment and Response Team IV (START)
	Christine Dupree	WESTON - START
	Ken Robinson	WESTON - START
( ) State:		

Current Owner Based on Field Interview: 35 Pearl Street LLC.

REMOVAL SITE INVESTIGATION

Physical Site Characteristics

Parameter		Quantities/Extent
( ) Cylinders:		
( ) Drums:		
( ) Lagoons:		
(X) Tanks:	**(X) Above:**	There was one approximately 500-gallon empty aboveground storage tank that was suspected to have been used in the water treatment process.
	( ) Below:	
(X) Asbestos:		There was suspected asbestos-containing material in multiple places on the site.
(X) Piles:		There were numerous piles of metal debris that were segregated on site.
(X) Stained Soil:		There was stained soil adjacent to the transformers that had been damaged while being staged.
( ) Sheens:		
( ) Stressed Vegetation:		
( ) Landfill:		
(X) Population in Vicinity:		The property is abutted to the north, south, and east by residential properties, and the site is accessible through breaks in the chain-link fencing surrounding the site.
( ) Wells:	**( ) Drinking:**	
	( ) Monitoring:	
(X) Other:		There were three transformers that were staged on site that had been damaged and had released a small volume of oil.

Physical Site Observations

The site is an industrial site that was damaged by fire. Remaining portions of the site buildings consisted of primarily steel beams and columns, with a concrete-block water treatment building located on the southern end of the site adjacent to the French River. There were large piles of steel that were being segregated for scrap/recycling by the property owner. Two boilers were located on the southern portion of the property.

Field Sampling and Analysis

Matrix/Analytical	Field Instrumentation				
Parameter	**CGI/O_2**	**RAD**	**PID**	**FID**	**Other**
Background Readings:	0%/20.9%	10-15 µR/Hour	0.0 ppm		
Air:	0%/20.9%	10-15 µR/Hour	0.0 ppm		
Soil:	0%/20.9%	10-15 µR/Hour	0.0 ppm		

REMOVAL SITE INVESTIGATION

Matrix/Analytical Parameter	Field Instrumentation				
	CGI/O_2	RAD	PID	FID	Other
Tanks:	0%/20.9%	10-15 µR/Hour	0.0 ppm		
Piles: Various Steel	0%/20.9%	10-15 µR/Hour	0.0 ppm		
Other: Surface Staining	0%/20.9%	10-15 µR/Hour	0.0 ppm		

CGI/O_2 = combustible gas indicator/oxygen
PID = Photoionization Detector
FID = Flame Ionization Detector
RAD = Radiation
µR/Hour = MicroRoentgens per Hour
ppm = parts per million

Field Quality Control Procedures

(X) SOP Followed **( ) Deviation From SOP**

Comments: Sampling was conducted per Weston Solutions, Inc. standard operating procedures outlined in the document, entitled *Sampling and Analysis Plan for the Anglo Enterprises Company Site, Webster, Worcester County, Massachusetts, November 2015.*

Description of Sampling Conducted

START personnel collected 33 asbestos-containing material (ACM) samples and five surface soil samples for asbestos analysis, six surface soil samples for polychlorinated biphenyl (PCB) analysis, and nine paint chip samples for lead analysis.

Analyses

Analytical Parameter	Media	Laboratory
( ) VOC	**( ) AIR**	**(X) NERL**
(X) PCB	**( ) WATER**	**( ) CLP**
( ) PESTICIDE	**(X) SOIL**	**( ) PRIVATE**
(X) METALS (lead)	**(X) SOURCE**	**( ) DAS**
( ) CYANIDE	**( ) SEDIMENT**	**( ) SOW**
( ) SVOC	**( ) SOIL GAS**	**( ) FIELD**
( ) TOXICITY		
( ) DIOXIN		
(X) ASBESTOS		
( ) OTHER		

Analytical results: Are available in the EPA Record Center.

Receptors

Comments

( ) Drinking Water: **( ) Private:**
( ) Municipal:
( ) Groundwater:
(X) Unrestricted Access: There is chain-link fencing surrounding the site, but there are numerous breaks in the fence, which provide access to the site.
(X) Population in Proximity: The site is surrounded by residential properties to the south, east and north.
(X) Sensitive Ecosystem: The French River abuts the site to the south.
( ) Other:

Additional Procedures for Site Determination

( ) Biological Evaluation **( ) ATSDR**

To be determined by the On-Scene Coordinator (OSC).

Site Determination

Depending on further information, criteria that may be met by the site include 40 CFR 300.415 [b] [2], parts:

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface, that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

REMOVAL SITE INVESTIGATION

Report Generation			
Originator:	Eric Ackerman	**Date:**	26 February 2016
Affiliation:	Weston Solutions (START)	**Telephone:**	(978) 552-2127
TDD No.:	TO1-01-15-10-0003	**Task No.:**	0077

II. Narrative Chronology

Narrative Chronology

Introduction

The Anglo Enterprises Company site (the Site) was the location of a mill complex that is now owned by 35 Pearl St. Limited Liability Corporation (LLC), and is located at 35 Pearl Street, Webster, Worcester County, Massachusetts (MA) (see Appendix A, Figure 1)[1].

On 25 June 2015, the mill building was destroyed by a catastrophic fire. The former mill complex is situated on approximately 9 acres located in a congested residential/commercial/industrial area of Webster, MA. The general public is in close proximity to this area with an apartment complex, basketball courts, and a toddler playground area situated directly across the street from the site. Immediately after the fire, the Central Regional Office (CERO) of the Massachusetts Department of Environmental Protection (MassDEP) asbestos program was made aware that asbestos-containing material (ACM) was found on exterior and interior surfaces throughout the buildings. The information was obtained from a Division of Local Services (DLS)-licensed asbestos contractor and also a DLS-licensed asbestos inspector retained by the property owner. The DLS-licensed asbestos inspector provided MassDEP's asbestos program with the asbestos sampling results that were obtained during the 8 through 24 April 2015 exterior removal of ACM (transite) shingles and the 5 through 12 May 2015 interior removal of ACM from boilers and pipes indicating chrysotile asbestos (up to 70%) and amosite (up to 55%) in ACM. Not all asbestos had been removed prior to the fire.

The MassDEP asbestos program mobilized to the Site and conducted an inspection of the property accompanied by the DLS-licensed asbestos contractor. MassDEP personnel observed significant quantities of friable and non-friable ACM commingled with the fire/demolition debris at the site. MassDEP considers all of the fire/demolition debris to be ACM/asbestos-contaminated.

Site Description

The Site is located on approximately 9 acres and is bordered by the French River, and commercial and residential properties to the south, east and north, and by wooded areas and railroad tracks to the west (see Appendix A, Figure 2) [2].

On 10 November 2015, EPA On-Scene Coordinator (OSC) Allen Jarrell and Weston Solutions, Inc. Region 1 Superfund Technical Assessment and Response Team IV (START) member Eric Ackerman mobilized to the site. Prior to entering the site, START member Ackerman conducted a tailgate health and safety briefing that included the review of the site Health and Safety Plan (HASP), entitled *Weston Solutions, Inc., Region I START IV Site Health and Safety Plan (HASP) for the Anglo Enterprises Company Site, Webster, Massachusetts* [3].

Following the review of the HASP, EPA OSC Jarrell and START member Ackerman conducted a perimeter site reconnaissance, performed air monitoring using a photoionization detector and gamma radiation detector, and photodocumented site conditions (see Appendix C, Photodocumentation Log). There were no elevated readings above background. It was noted that there were large piles of debris, miscellaneous debris that was strewn about the site, and twisted

steel beams and columns that remained following the fire. EPA and START observed areas that contained debris piles that were moved prior to MassDEP involvement and transformers that were leaking. EPA estimated that 40 asbestos-containing material (ACM) samples, up to 10 lead-containing material samples, and up to five polychlorinated biphenyl (PCB) soil samples would be collected from site. At the completion of the site reconnaissance, EPA OSC Jarrell and START member Ackerman discussed potential sampling dates for the site prior to departing for the day.

On 1 December 2015, START members Ackerman, Christine Dupree and Ken Robinson mobilized to the Site to conduct sampling activities. START member Ackerman conducted a tailgate health and safety briefing that included review and signing of the site HASP, projected sampling activities, and site hazards. All sampling would be conducted in Level C personal protective equipment (PPE) per the site HASP and would follow the guidelines of the Site Sampling and Analysis Plan (SAP), entitled *Sampling and Analysis Plan for the Anglo Enterprises Company Site, Webster, Massachusetts* [4]. START personnel calibrated the RAE Systems, MultiRAE with combustible gas indicator (CGI), oxygen (O_2), volatile organic compound (VOC), hydrogen sulfide (H_2S), and carbon monoxide (CO) sensors, and a Model 19A gamma radiation meter. Background readings were as follows: CGI = 0%, O_2 = 20.9%, VOC = 0 parts per million (ppm), H_2S = 0 ppm, CO = 0 ppm, and gamma radiation = 10 to 15 microRoentgens per hour (µR/hr) [5, 6]. START personnel discussed sampling locations with EPA OSC Jarrell, and prepared to photodocument and collect sample location spatial information using the Trimble GeoXT Global Positioning System (GPS) unit (see Appendix A, Figure 3) [7].

START personnel donned proper PPE per the Site HASP and conducted sampling activities. No sampling locations had any elevated air monitoring readings. START personnel collected 33 ACM samples and five surface soil samples for asbestos analysis, six surface soil samples for PCB analysis, and nine paint chip samples for lead analysis. The paint chip samples were collected from various steel I-beams stockpiled on site. Following the collection of the samples, START personnel secured the samples in coolers and demobilized from the Site for the day [8, 9, 10].

On 2 December 2015, START members Ackerman, Dupree and Robinson returned to site to complete sample documentation activities and to prepare the samples for shipment to the EPA Office of Environmental Measurement and Evaluation (OEME) New England Regional Laboratory (NERL) located in North Chelmsford, Massachusetts. Prior to departing from site, START member Ackerman used polyethylene sheeting to cover an opening in one of the tops of the transformers that were staged on site.

Analytical Data Summaries

Bulk Asbestos

A total of 38 bulk asbestos samples were submitted to the EPA OEME Laboratory for analysis via polarized light microscopy (PLM). Laboratory analytical results of bulk asbestos samples indicated the presence of the following three asbestos compounds (maximum concentration and sample number in parentheses): actinolite (1% in ASB-12), amosite (5% in ASB-30), and

chrysotile (35% in ACM-37) [11]. See Appendix B, Table 2, Summary of Bulk Asbestos Sample Results; and Appendix D, Chain-of-Custody Record.

Metals in Paint

A total of nine paint chip samples were submitted to the OEME Laboratory for metals analysis, which included the following metals: aluminum, antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, silver, thallium, vanadium, and zinc. The following 17 metals were detected above laboratory reporting limits (maximum concentration and sample location in parentheses): aluminum (32,000 mg/Kg in PNT-06), antimony (51 mg/Kg in PNT-05), arsenic (130 mg/Kg in PNT-08), barium (12,000 mg/Kg in PNT-05), calcium (89,000 mg/Kg in PNT-04), cadmium (12 mg/Kg in PNT-07), chromium (13,000 mg/Kg in PNT-08), cobalt (460 mg/Kg in PNT-06), copper (1,600 mg/Kg in PNT-07), iron (510,000 mg/Kg in PNT-05), lead (4,000 mg/Kg in PNT-08), magnesium (13,000 mg/Kg in PNT-04), manganese (2,200 mg/Kg in PNT-05), nickel (180 mg/Kg in PNT-05), vanadium (180 mg/Kg in PNT-06), and zinc (47,000 mg/Kg in PNT-08). In addition, eight metals (arsenic, antimony, barium, chromium, cobalt, iron, lead and zinc) were detected at concentrations exceeding their respective EPA Removal Management Levels (RMLs) for Residential Soil (HQ=3) and/or Massachusetts Contingency Plan (MCP) S1 Standards (see Appendix B, Table 3) [12].

PCBs in Soil

A total of six soil samples were submitted to the OEME Laboratory for PCB analysis. No PCB Aroclors were detected in the six soil samples collected (see Appendix B, Table 4) [13].

REFERENCES

[1] U.S. Geological Survey (USGS). MicroPath/USGS/USA Topo Maps Quadrangle Name: Webster, Massachusetts.

[2] Esri, GeoEye, i-cubed, Webster, Massachusetts.

[3] Weston Solutions, Inc. November. *Health and Safety Plan for the Anglo Enterprises Company Site, Webster, Massachusetts*. 2015.

[4] Weston Solutions, Inc. November. *Sampling and Analysis Plan for the Anglo Enterprises Company Site, Webster, Massachusetts*. 2015.

[5] Weston Solutions, Inc. September 2015. Standard Operating Procedure for Ludlum Model 19 Micro R Meter, SOP No. WSI/S4-027, Superfund Technical Assessment and Response Team IV (START), Andover, MA.

[6] Weston Solutions, Inc. September 2015. Standard Operating Procedure for PID-MulitRAE (Multi-Gas Monitor with VOC Detection) and LEL RAE Model PGM-50 Multi-Gas Monitor MultiRAE).

[7] Weston Solutions, Inc. September 2015. Standard Operating Procedure for Trimble™ Pathfinder Pro XRS Global Positioning System (GPS) with TSCI Data Logger, SOP No. WSI/S4-020, Superfund Technical Assessment and Response Team IV (START), Andover, MA.

[8] Weston Solutions, Inc. September 2015. Standard Operating Procedure for Surface and Subsurface Soil Sampling, SOP No. WSI/S4-001, Superfund Technical Assessment and Response Team IV (START), Andover, MA.

[9] Weston Solutions, Inc. September 2015. Standard Operating Procedure for Asbestos Sampling, SOP No. WSI/S4-019, Superfund Technical Assessment and Response Team IV (START), Andover, MA.

[10] Weston Solutions, Inc. September 2015. Standard Operating Procedure for Chip, Wipe, and Sweep Sampling, SOP No. WSI/S4-009, Superfund Technical Assessment and Response Team IV (START), Andover, MA.

[11] U.S. Environmental Protection Agency. 7 January 2016. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 15120005. [Anglo Enterprises Co. - Webster, MA - Bulk Asbestos Analysis by PLM].

[12] U.S. Environmental Protection Agency. 19 January 2016. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 15120005. [Anglo Enterprises Co. - Webster, MA - Metals in Soil Medium Level by ICP].

[13] U.S. Environmental Protection Agency. 12 January 2016. Office of Environmental Measurement and Evaluation. Laboratory Report. Project No. 15120005. [Anglo Enterprises Co. - Webster, MA - PCBs Medium Level in Soils and Sediments].

III. Appendices

Appendix A

Figures

Figure 1 - Site Location Map
Figure 2 - Site Diagram
Figure 3 - Sample Location Map

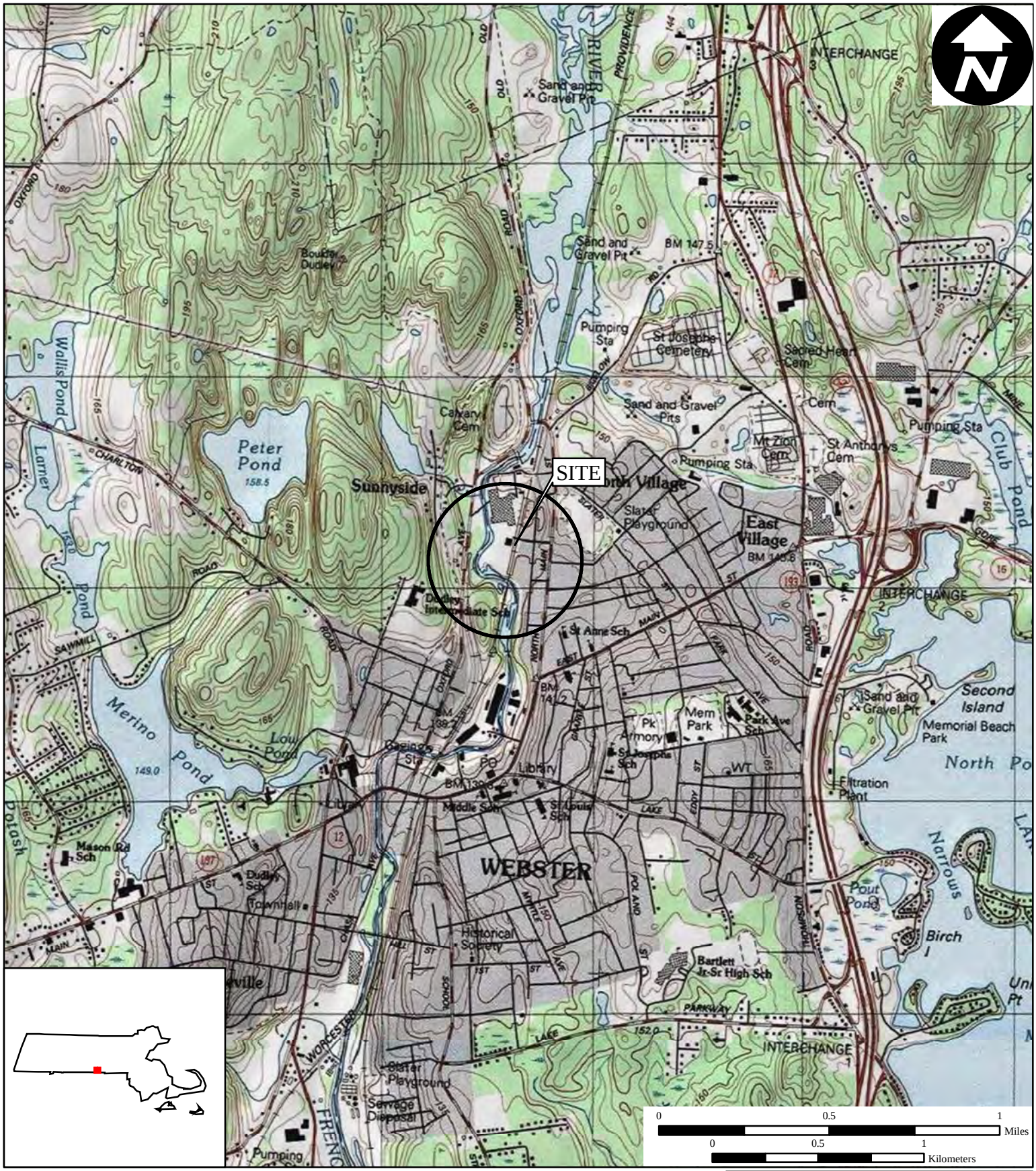

Figure 1

Site Location Map

Anglo Enterprises
35 Pearl Street
Webster, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) IV
Contract No. EP-S3-15-01

TDD Number: TO1-01-15-10-0003
Created by: C. Dupree
Created on: 3 December 2015
Modified by:
Modified on:

Data Sources:
Topos: MicroPath/USGS/USA Topo Maps
Quadrangle Name(s): Webster
All other data: START

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Figure 2

Site Diagram

Anglo Enterprises
35 Pearl Street
Webster, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) IV
Contract No. EP-S3-15-01

TDD Number: TO1-15-10-0003
Created by: C. Dupree
Created on: 3 December 2015
Modified by:
Modified on:

LEGEND

0 25 50 100 150 Feet

Data Sources:
Imagery: Esri, GeoEye, i-cubed
Topos: MicroPath
All other data: START

E:\MA_gis\Anglo Enterprises\PASI\MXDs\0077_Figure 2.mxd

Figure 3

Sample Location Map

Anglo Enterprises
35 Pearl Street
Webster, Massachusetts

EPA Region I
Superfund Technical Assessment and Response Team (START) IV
Contract No. EP-S3-15-01

TDD Number: TO1-15-10-0003
Created by: C. Dupree
Created on: 3 December 2015
Modified by: C. Dupree
Modified on: 4 December 2015

LEGEND

- Soil- PCBs
- Soil- Asbestos
- ASB
- Paint
- Debris
- Steel Piles
- Site

PCBs = Polychlorinated Biphenyls

ASB = Sample of building material collected for Asbestos analysis

All paint samples were collected for lead analysis.

0 25 50 100 Feet

Data Sources:
Imagery: Esri, GeoEye, i-cubed
Topos: MicroPath
All other data: START

WESTON SOLUTIONS

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Appendix B

Tables and Spreadsheets

Table 1	Sample Descriptions
Table 2	Summary of Bulk Asbestos Sample Results
Table 3	Summary of Metals Results, Paint Samples
Table 4	Summary of Polychlorinated Biphenyl Sample Results

TABLE 1

SAMPLE DESCRIPTIONS
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS
1 DECEMBER 2015

Sample Location	Sample Number	Sample Type (Matrix)	Sample Description	Comments/ Analysis
ASB-01	0077-0001	PACM	Wire sheathing, collected from a small debris pile on the southern border of the site.	
ASB-02	0077-0002	PACM	Pipe wrap, collected from a small debris pile on the southern border of the site.	
ASB-03	0077-0003	PACM	Roofing material, collected from a small debris pile on the southern border of the site.	
ASB-04	0077-0004	PACM	Tile with paint, collected from a small debris pile on the southern border of the site.	
ASB-05	0077-0005	PACM	Floor tile with mastic backing, collected from the center aisle of the main debris pile.	
ASB-06	0077-0006	PACM	Fibrous material, collected from the center aisle of the main debris pile.	
ASB-07	0077-0007	PACM	Material from wire mesh, collected from the center aisle of the main debris pile.	
ASB-08	0077-0008	PACM	Tile/Transite, collected from the northwest side center aisle of the main debris pile.	
ASB-09	0077-0009	PACM	Tile/Transite, collected from the northeast side center aisle of the main debris pile.	
ASB-10	0077-0010	PACM	Stucco/building siding, collected from the northern side of the site.	
ASB-11	0077-0011	Soil	Soil sample, collected from the southern boundary of the site, near the remaining mill building.	
ASB-12	0077-0012	PACM	Tile/transite, collected from the southern side of the main debris pile.	
ASB-13	0077-0013	PACM	Tile/transite (pink), collected from the center aisle of the southern debris pile.	
ASB-14	0077-0014	PACM	Tank insulation, collected from the center aisle of the southern debris pile.	
ASB-15	0077-0015	PACM	Pipe wrap, collected from the center aisle of the southern debris pile.	
ASB-16	0077-0016	PACM	Fabric sheath, collected from the center aisle of the southern debris pile.	
ASB-17	0077-0017	PACM	Tile/transite, collected from the southern building debris pile.	
ASB-18	0077-0018	PACM	Burnt tank insulation, collected from the center aisle of the southern debris pile.	
ASB-19	0077-0019	PACM	Tank Gasket/insulation, collected from the southern debris pile.	
ASB-20	0077-0020	PACM	Pipe wrap, collected from the southern debris pile.	
ASB-21	0077-0021	PACM	Tank door insulation, collected from the southern debris pile.	
ASB-22	0077-0022	PACM	Tank door gasket, collected from the southern debris pile.	
ASB-23	0077-0023	PACM	Machine/engine insulation, collected from the southern debris pile.	
ASB-24	0077-0024	PACM	Material from wire mesh, collected from the southern debris pile.	
ASB-25	0077-0025	PACM	Roofing material, collected from the southern debris pile.	
ASB-26	0077-0026	Soil	Soil sample, collected from the western border of the site.	
ASB-27	0077-0027	Soil	Soil sample, collected from the western border of the site.	
ASB-28	0077-0028	PACM	Roofing material/fiber, collected from the western edge of the main debris pile.	
ASB-29	0077-0029	PACM	Black material collected from the tank supports on the western edge of the main debris pile.	
ASB-30	0077-0030	PACM	Burnt pipe wrap, collected from the western edge of the main debris pile.	

TABLE 1

SAMPLE DESCRIPTIONS
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS
1 DECEMBER 2015

Sample Location	Sample Number	Sample Type (Matrix)	Sample Description	Comments/ Analysis
ASB-31	0077-0031	PACM	Tile/transite, collected from the western aisle in the main debris pile.	
ASB-32	0077-0032	PACM	Machine/engine insulation, collected from the western aisle in the main debris pile.	
ASB-33	0077-0033	PACM	Window caulk/liner, collected from the western edge of the main debris pile.	
ASB-34	0077-0034	Soil	Soil sample, collected from the western border of the site.	
ASB-35	0077-0035	PACM	Roofing material, collected from the middle steel pile on the northern border of the site.	
ASB-36	0077-0036	Soil	Soil sample, collected from the northern access road.	
ASB-37	0077-0037	PACM	Plate/machinery insulation, collected from the steel pile on the northern border of the site.	
ASB-38	0077-0038	PACM	Pipe wrap, collected from the main debris pile.	
SS-01	0077-0039	Soil	Stained soil, collected from the southern border of the site.	
SS-02	0077-0040	Soil	Stained soil, collected from the southern border of the site.	
SS-03	0077-0041	Soil	Soil sample, collected from the southern boundary of the site, near the remaining mill building.	
SS-04	0077-0042	Soil	Oil/solids collected from machinery in the center aisle of the main debris pile.	
SS-05	0077-0043	Soil	Stained soil, collected from the southern border of the site.	
SS-06	0077-0044	Soil	Stained soil, collected from the vicinity of the large tank in the southwest corner of the site.	
PNT-01	0077-0045	Paint	Paint from an I-beam on the southeastern portion of the site.	
PNT-02	0077-0046	Paint	Paint from an I-beam on the southeastern portion of the site.	
PNT-03	0077-0047	Paint	Paint from a door in the center aisle of the main debris pile.	
PNT-04	0077-0048	Paint	Paint from the stucco wall covering on the north side of the site.	
PNT-05	0077-0049	Paint	Paint from an I-beam in the eastern steel pile on the northern side of the site.	
PNT-06	0077-0050	Paint	Paint from an I-beam in the main debris pile.	
PNT-07	0077-0051	Paint	Paint from a machine/engine in the southern debris pile.	
PNT-08	0077-0052	Paint	Paint from an I-beam in the middle steel pile on the northern side of the site.	
PNT-09	0077-0053	Paint	Paint from an I-beam in the eastern steel pile on the northern side of the site.	

NOTES

ASB-##	Sample collected for Asbestos analysis.
SS-##	Soil sample collected for polychlorinated biphenyl (PCB) analysis.
PNT-##	Paint sample collected for lead analysis.
No.	Number.
PACM	Potential asbestos-containing material.

TABLE 2

SUMMARY OF BULK ASBESTOS SAMPLE RESULTS
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS
% Volume

SAMPLE LOCATION	ASB-01	ASB-02	ASB-03	ASB-04	ASB-05	ASB-06	ASB-07
SAMPLE NUMBER	0077-0001	0077-0002	0077-0003	0077-0004	0077-0005	0077-0006	0077-0007
LABORATORY NUMBER	AB60403	AB60404	AB60405	AB60406	AB60407	AB60408	AB60409
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
COMPOUND							
Actinolite	ND	ND	ND	ND	ND	ND	ND
Amosite	ND	ND	ND	ND	ND	ND	ND
Anthophylite	ND	ND	ND	ND	ND	ND	ND
Chrysotile	ND	ND	ND	**5**	ND	ND	Trace
Crocidolite	ND	ND	ND	ND	ND	ND	ND
Tremolite	ND	ND	ND	ND	ND	ND	ND

SAMPLE LOCATION	ASB-08	ASB-09	ASB-10	ASB-11	ASB-12	ASB-13	ASB-14
SAMPLE NUMBER	0077-0008	0077-0009	0077-0010	0077-0011	0077-0012	0077-0013	0077-0014
LABORATORY NUMBER	AB60410	AB60411	AB60412	AB60413	AB60414	AB60415	AB60416
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
COMPOUND							
Actinolite	ND	ND	ND	ND	**1**	ND	ND
Amosite	ND	ND	ND	ND	ND	ND	ND
Anthophylite	ND	ND	ND	ND	ND	ND	ND
Chrysotile	**5**	ND	ND	ND	ND	ND	ND
Crocidolite	ND	ND	ND	ND	ND	ND	ND
Tremolite	ND	ND	ND	ND	ND	ND	ND

NOTES:

1) Samples were analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) New England Regional Laboratory (NERL) via Polarized Light Microscopy (PLM).
2) All quantities are estimated volume percent.
3) ND = Not Detected
4) Trace = asbestos found, but less than 1%.
5) % = Percent

TABLE 2

SUMMARY OF BULK ASBESTOS SAMPLE RESULTS
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS
% Volume

SAMPLE LOCATION	ASB-15	ASB-16	ASB-17	ASB-18	ASB-19	ASB-20	ASB-21
SAMPLE NUMBER	0077-0015	0077-0016	0077-0017	0077-0018	0077-0019	0077-0020	0077-0021
LABORATORY NUMBER	AB60417	AB60418	AB60419	AB60420	AB60421	AB60422	AB60423
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
COMPOUND							
Actinolite	ND	ND	ND	ND	ND	ND	ND
Amosite	ND	ND	ND	ND	ND	ND	ND
Anthophylite	ND	ND	ND	ND	ND	ND	ND
Chrysotile	ND	ND	ND	**1**	**30**	**15**	ND
Crocidolite	ND	ND	ND	ND	ND	ND	ND
Tremolite	ND	ND	ND	ND	ND	ND	ND

SAMPLE LOCATION	ASB-22	ASB-23	ASB-24	ASB-25	ASB-26	ASB-27	ASB-28
SAMPLE NUMBER	0077-0022	0077-0023	0077-0024	0077-0025	0077-0026	0077-0027	0077-0028
LABORATORY NUMBER	AB60424	AB60425	AB60426	AB60427	AB60428	AB60429	AB60430
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
COMPOUND							
Actinolite	ND	ND	ND	ND	ND	ND	ND
Amosite	ND	ND	ND	ND	ND	ND	ND
Anthophylite	ND	ND	ND	ND	ND	ND	ND
Chrysotile	ND	**5**	ND	**1**	ND	ND	ND
Crocidolite	ND	ND	ND	ND	ND	ND	ND
Tremolite	ND	ND	ND	ND	ND	ND	ND

NOTES:

1) Samples were analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) New England Regional Laboratory (NERL) via Polarized Light Microscopy (PLM).
2) All quantities are estimated volume percent.
3) ND = Not Detected
4) Trace = asbestos found, but less than 1%.
5) % = Percent

TABLE 2

SUMMARY OF BULK ASBESTOS SAMPLE RESULTS
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS
% Volume

SAMPLE LOCATION	ASB-29	ASB-30	ASB-31	ASB-32	ASB-33	ASB-34	ASB-35
SAMPLE NUMBER	0077-0029	0077-0030	0077-0031	0077-0032	0077-0033	0077-0034	0077-0035
LABORATORY NUMBER	AB60431	AB60432	AB60433	AB60434	AB60435	AB60436	AB60437
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
COMPOUND							
Actinolite	ND	ND	ND	ND	ND	ND	ND
Amosite	ND	**5**	ND	ND	ND	ND	ND
Anthophylite	ND	ND	ND	ND	ND	ND	ND
Chrysotile	ND	**10**	ND	**2**	Trace	ND	ND
Crocidolite	ND	ND	ND	ND	ND	ND	ND
Tremolite	ND	ND	ND	ND	ND	ND	ND

SAMPLE LOCATION	ASB-36	ASB-37	ASB-38				
SAMPLE NUMBER	0077-0036	0077-0037	0077-0038				
LABORATORY NUMBER	AB60438	AB60439	AB60440				
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015				
COMPOUND							
Actinolite	ND	ND	ND				
Amosite	ND	ND	**2**				
Anthophylite	ND	ND	ND				
Chrysotile	ND	**35**	ND				
Crocidolite	ND	ND	ND				
Tremolite	ND	ND	ND				

NOTES:

1) Samples were analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) New England Regional Laboratory (NERL) via Polarized Light Microscopy (PLM).
2) All quantities are estimated volume percent.
3) ND = Not Detected
4) Trace = asbestos found, but less than 1%.
5) % = Percent

TABLE 3

SUMMARY OF METALS RESULTS
PAINT SAMPLES
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS

SAMPLE LOCATION	PNT-01	PNT-02	PNT-03	PNT-04	PNT-05	PNT-06	PNT-07	PNT-08	PNT-09	MassDEP MCP S-1 Standards	EPA RML (HQ=3)
SAMPLE NUMBER	0077-0045	0077-0046	0077-0047	0077-0048	0077-0049	0077-0050	0077-0051	0077-0052	0077-0053		
LABORATORY NUMBER	AB60447	AB60448	AB60449	AB60450	AB60451	AB60452	AB60453	AB60454	AB60455		
SAMPLE DEPTH	Surface Chips	Surface Chips	Surface Chips	Surface Chips	Surface Chips	Surface Chips	Surface Chips	Surface Chips	Surface Chips		
PARAMETER											
Silver	ND	4.1	ND	ND	ND	ND	5.4	ND	2.1	100	1,200
Aluminum	25,000	4,400	3,900	6,600	640	32,000	2,100	9,300	5,100	NL	230,000
Arsenic	ND	ND	ND	ND	**66**	9.9	ND	**130**	ND	20	68
Barium	**2,000**	**1,300**	160	37	**12,000**	670	930	140	**3,600**	1,000	46,000
Calcium	34,000	48,000	22,000	89,000	6,400	15,000	40,000	21,000	53,000	NL	NL
Cadmium	4.7	5.5	ND	ND	ND	ND	12	ND	5.4	70	210
Cobalt	**240**	**140**	**290**	ND	50	**460**	**220**	**170**	**150**	NL	70
Chromium (Total)	**1,800**	**100**	48	9.5	**2,500**	**690**	**500**	**13,000**	**210**	100	350,000*
Copper	61	57	36	7.6	850	120	1,600	50	74	NL	9,400
Iron	34,000	60,000	67,000	6,300	**510,000**	55,000	59,000	**210,000**	15,000	NL	160,000
Magnesium	2,100	1,600	5,900	13,000	2,200	5,200	910	4,400	960	NL	NL
Manganese	170	310	500	160	2,200	630	340	1,500	190	NL	5,500
Nickel	30	21	ND	6	180	54	89	110	10	600	4,600
Lead	**1,600**	**1,800**	140	14	**750**	**1,600**	**1,200**	**4,000**	**420**	200	400
Antimony	ND	ND	ND	ND	**51**	ND	13	ND	ND	20	94
Vanadium	43	16	ND	13	ND	180	78	ND	6.4	400	1,200
Zinc	**6,400**	**6,600**	**15,000**	33	**17,000**	**2,300**	**2,500**	**47,000**	**1,700**	1,000	70,000

NOTES:

1) Metals samples analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) using EPA Region I SOP, EIASOP-OPTIMAS0, Metals in Soil Medium Level by ICP.
2) All results in Milligrams per Kilogram (mg/Kg).
3) NL = Not listed.
4) ND = Not detected.
5) Values bolded and shaded in yellow indicate metals exceeding MassDEP MCP S1 Standards.
6) Values bolded and shaded in red indicate metals exceeding EPA RML (HQ = 3) Criteria and MassDEP MCP S1 Standards.
7) * = EPA RML (HQ = 3) for Chromium $^{+3}$ (Trivalent).
8) MassDEP = Massachusetts Department of Environmental Protection.
9) MCP = Massachusetts Contingency Plan.
10) EPA RML = U.S. EPA Removal Management Level.

TABLE 4

SUMMARY OF POLYCHLORINATED BIPHENYL SAMPLE RESULTS
ANGLO ENTERPRISES COMPANY SITE
WEBSTER, MASSACHUSETTS

SAMPLE LOCATION	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
SAMPLE NUMBER	0077-0039	0077-0040	0077-0041	0077-0042	0077-0043	0077-0044
LABORATORY NUMBER	AB60441	AB60442	AB60443	AB60444	AB60445	AB60446
DATE SAMPLED	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015	12/1/2015
COMPOUND						
Aroclor-1016	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND
Aroclor-1262	ND	ND	ND	ND	ND	ND
Aroclor-1268	ND	ND	ND	ND	ND	ND

NOTES:

1) Samples analyzed by U.S. EPA Office of Environmental Measurement and Evaluation (OEME) using EPA Region I SOP, EIASOP-PESTSOIL4 (PCBs Medium Level in Soils and Sediments); and EPA Region I SOP, PESTSOIL3.SOP.
2) All results are reported in micrograms per Kilogram (µg/Kg).
3) ND = Not Detected

Appendix C

Photodocumentation Log

PHOTODOCUMENTATION LOG
Anglo Enterprises Company Site ● Webster, Massachusetts

SCENE: View of paint chips on I-beams (typical) at paint chip (PNT) sample location (PNT-02). Photograph taken facing north.
DATE: 1 December 2015 **TIME:** 1100 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of damaged transformers staged on site and polychlorinated biphenyl (PCB) soil sample (SS) location SS-01. Photograph taken facing southeast.
DATE: 1 December 2015 **TIME:** 1100 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of suspected asbestos-containing material (ACM) asbestos (ASB) sample location ASB-02.

DATE: 1 December 2015 **TIME:** 1249 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of PCB soil sample location SS-02.

DATE: 1 December 2015 **TIME:** 1250 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample locations PNT-02 and ASB-03. Photograph taken facing northwest.

DATE: 1 December 2015 **TIME:** 1255 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-04. Photograph taken facing northwest.

DATE: 1 December 2015 **TIME:** 1255 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location SS-03. Photograph taken facing southeast.

DATE: 1 December 2015 **TIME:** 1257 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-05. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1300 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-06. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1309 hours
PHOTOGRAPHER: **CAMERA:** IPhone 6

SCENE: View of sample locations PNT-03 and ASB-07. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1309 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-07. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1309 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location SS-04. Photograph taken facing east.

DATE: 1 December 2015 **TIME:** 1320 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-09. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1326 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-08. Photograph taken facing west.

DATE: 1 December 2015 **TIME:** 1326 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-11. Photograph taken facing west.

DATE: 1 December 2015 **TIME:** 1350 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-12. Photograph taken facing northwest.

DATE: 1 December 2015 **TIME:** 1350 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location SS-05. Photograph taken facing southeast.

DATE: 1 December 2015 **TIME:** 1350 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location PNT-06. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1357 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-16. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1407 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of boiler and boiler debris. Photograph taken facing east.

DATE: 1 December 2015 **TIME:** 1407 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-16. Photograph taken facing south.

DATE: 1 December 2015 **TIME:** 1409 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-17 (roofing material). Photograph taken facing southeast.

DATE: 1 December 2015 **TIME:** 1411 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-19. Photograph taken facing southwest.

DATE: 1 December 2015 **TIME:** 1420 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-20. Photograph taken facing southeast.

DATE: 1 December 2015 **TIME:** 1420 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location PNT-07.

DATE: 1 December 2015 **TIME:** 1441 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-28. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1449 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-29. Photograph taken facing southeast.

DATE: 1 December 2015 **TIME:** 1451 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-32. Photograph taken facing north.

DATE: 1 December 2015 **TIME:** 1452 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location ASB-31. Photograph taken facing north.

DATE: 1 December 2015 **TIME:** 1459 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample location PNT-05. Photograph taken facing northeast.

DATE: 1 December 2015 **TIME:** 1514 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

SCENE: View of sample locations PNT-08 and ASB-35. Photograph taken facing north.

DATE: 1 December 2015 **TIME:** 1516 hours
PHOTOGRAPHER: Ken Robinson **CAMERA:** IPhone 6

Appendix D

Chain-of-Custody Record

 PN .15120005.

USEPA
START 4
Webster, MA
01MR

CHAIN OF CUSTODY RECORD
Anglo Enterprises
Contact Name: Allen Jarrell
Contact Phone: 617-312-4717

No: 01MR-15100003-001

Lab: NERL/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container
	0077-0001	ASB-01	Asbestos PCM	ACM	2015-12-01	12:50	1	Bag
	0077-0002	ASB-02	Asbestos PCM	ACM	2015-12-01	12:55	1	Bag
	0077-0003	ASB-03	Asbestos PCM	ACM	2015-12-01	12:55	1	Bag
	0077-0004	ASB-04	Asbestos PCM	ACM	2015-12-01	13:00	1	Bag
	0077-0005	ASB-05	Asbestos PCM	ACM	2015-12-01	13:05	1	Bag
	0077-0006	ASB-06	Asbestos PCM	ACM	2015-12-01	13:10	1	Bag
	0077-0007	ASB-07	Asbestos PCM	ACM	2015-12-01	13:10	1	Bag
	0077-0008	ASB-08	Asbestos PCM	ACM	2015-12-01	13:20	1	Bag
	0077-0009	ASB-09	Asbestos PCM	ACM	2015-12-01	13:20	1	Bag
	0077-0010	ASB-10	Asbestos PCM	ACM	2015-12-01	13:30	1	Bag
	0077-0011	ASB-11	Asbestos PCM	Soil	2015-12-01	13:55	1	Bag
	0077-0012	ASB-12	Asbestos PCM	ACM	2015-12-01	13:50	1	Bag
	0077-0013	ASB-13	Asbestos PCM	ACM	2015-12-01	14:05	1	Bag
	0077-0014	ASB-14	Asbestos PCM	ACM	2015-12-01	14:05	1	Bag
	0077-0015	ASB-15	Asbestos PCM	ACM	2015-12-01	14:10	1	Bag
	0077-0016	ASB-16	Asbestos PCM	ACM	2015-12-01	14:15	1	Bag
	0077-0017	ASB-17	Asbestos PCM	ACM	2015-12-01	14:15	1	Bag
	0077-0018	ASB-18	Asbestos PCM	ACM	2015-12-01	14:20	1	Bag
	0077-0019	ASB-19	Asbestos PCM	ACM	2015-12-01	14:20	1	Bag

Special Instructions: Please send results to OSC Allen Jarrell.	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		12/2/15 1040hrs	ESAT	12/2/15 10:40	1°C

 PN: 15120005

USEPA
START 4
Webster, MA
01MR

CHAIN OF CUSTODY RECORD
Anglo Enterprises
Contact Name: Allen Jarrell
Contact Phone: 617-312-4717

No: 01MR-15100003-001

Lab: NERL/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container
	0077-0020	ASB-20	Asbestos PCM	ACM	2015-12-01	14:20	1	Bag
	0077-0021	ASB-21	Asbestos PCM	ACM	2015-12-01	14:25	1	Bag
	0077-0022	ASB-22	Asbestos PCM	ACM	2015-12-01	14:25	1	Bag
	0077-0023	ASB-23	Asbestos PCM	ACM	2015-12-01	14:25	1	Bag
	0077-0024	ASB-24	Asbestos PCM	ACM	2015-12-01	14:40	1	Bag
	0077-0025	ASB-25	Asbestos PCM	ACM	2015-12-01	14:35	1	Bag
	0077-0026	ASB-26	Asbestos PCM	Soil	2015-12-01	14:45	1	Bag
	0077-0027	ASB-27	Asbestos PCM	Soil	2015-12-01	14:50	1	Bag
	0077-0028	ASB-28	Asbestos PCM	ACM	2015-12-01	14:50	1	Bag
	0077-0029	ASB-29	Asbestos PCM	ACM	2015-12-01	14:55	1	Bag
	0077-0030	ASB-30	Asbestos PCM	ACM	2015-12-01	14:55	1	Bag
	0077-0031	ASB-31	Asbestos PCM	ACM	2015-12-01	15:00	1	Bag
	0077-0032	ASB-32	Asbestos PCM	ACM	2015-12-01	15:00	1	Bag
	0077-0033	ASB-33	Asbestos PCM	ACM	2015-12-01	15:05	1	Bag
	0077-0034	ASB-34	Asbestos PCM	Soil	2015-12-01	15:05	1	Bag
	0077-0035	ASB-35	Asbestos PCM	ACM	2015-12-01	15:15	1	Bag
	0077-0036	ASB-36	Asbestos PCM	Soil	2015-12-01	15:25	1	Bag
	0077-0037	ASB-37	Asbestos PCM	ACM	2015-12-01	15:25	1	Bag
	0077-0038	ASB-38	Asbestos PCM	ACM	2015-12-01	15:10	1	Bag

Special Instructions: Please send results to OSC Allen Jarrell.	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		12/2/15 1040hrs	ESAT	12-2-15 10:40	1°C

 PN 15120005

USEPA
START 4
Webster, MA
01MR

CHAIN OF CUSTODY RECORD
Anglo Enterprises
Contact Name: Allen Jarrell
Contact Phone: 617-312-4717

No: 01MR-15100003-001

Lab: NERL/OEME
Lab Phone: 617-918-8490

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container
	0077-0039	SS-01	PCBs	Soil	2015-12-01	12:45	1	4 oz Jar
	0077-0040	SS-02	PCBs	Soil	2015-12-01	12:50	1	4 oz Jar
	0077-0041	SS-03	PCBs	Soil	2015-12-01	13:00	1	4 oz Jar
	0077-0042	SS-04	PCBs	Soil	2015-12-01	13:15	1	4 oz Jar
	0077-0043	SS-05	PCBs	Soil	2015-12-01	13:50	1	4 oz Jar
	0077-0044	SS-06	PCBs	Soil	2015-12-01	14:30	1	4 oz Jar
	0077-0045	PNT-01	Metals/Lead	Paint	2015-12-01	12:40	1	4 oz Jar
	0077-0046	PNT-02	Metals/Lead	Paint	2015-12-01	12:55	1	4 oz Jar
	0077-0047	PNT-03	Metals/Lead	Paint	2015-12-01	13:10	1	4 oz Jar
	0077-0048	PNT-04	Metals/Lead	Paint	2015-12-01	13:30	1	4 oz Jar
	0077-0049	PNT-05	Metals/Lead	Paint	2015-12-01	13:35	1	4 oz Jar
	0077-0050	PNT-06	Metals/Lead	Paint	2015-12-01	14:00	1	4 oz Jar
	0077-0051	PNT-07	Metals/Lead	Paint	2015-12-01	14:35	1	4 oz Jar
	0077-0052	PNT-08	Metals/Lead	Paint	2015-12-01	15:20	1	4 oz Jar
	0077-0053	PNT-09	Metals/Lead	Paint	2015-12-01	15:30	1	4 oz Jar

Special Instructions: Please send results to OSC Allen Jarrell.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
		12/2/15 1040hrs	CSAT	12/2/15 10:40	1°C