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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

October 17, 2012

Mrs. Shawna Hoppe, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: EP-W-06-072

TDD NO: TO-0027-0034

DOCUMENT CONTROL NO: RST 2-02-F-2172

**SUBJECT: FINAL LEAD PAINT FIELD SCREENING TRIP REPORT -
MC CANFIELD & SONS SITE, NEWARK, ESSEX COUNTY, NEW
JERSEY**

Dear Mrs. Hoppe,

Enclosed please find the Final Lead Paint Field Screening Trip Report for the MC Canfield & Sons Site located at Cornerstone Lane and Marrow Street in Newark, Essex County, New Jersey. Field screening for lead based paint was conducted as part of the Removal Assessment of the property on October 9, 2012. The U.S Environmental Protection Agency comments regarding the Draft Lead Paint Field Screening Trip Report have been incorporated. If you have any questions, please do not hesitate to contact me at (732) 585-4421.

Sincerely,

Weston Solutions, Inc.

Joel Petty
Removal Support Team 2
Site Project Manager/Group Leader

Enclosure

cc: TDD File No: TO-0027-0034



FINAL LEAD PAINT FIELD SCREENING TRIP REPORT

SITE NAME: MC Canfield & Sons
DC NO.: RST 2-02-F-2172
TDD NO.: TO-0027-0034

EPA SITE ID NO.: NJN000206557

SAMPLING DATE: October 9, 2012

- 1. Site Location:** Cornerstone Lane & Marrow Street, Newark, Essex County, New Jersey
Refer to Attachment A, Figure 1, Site Location Map
- 2. Field Screening Location:** Refer to Attachment A, Figure 2, Lead Field Screening Location Map and Attachment B, Table 1, Lead Field Screening Summary Table.

3. Introduction:

In May 2012, the U.S. Environmental Protection Agency's (EPA) Removal Action Branch was requested to assess residential properties for the presence of lead in the vicinity of the MC Canfield & Sons Site (the Site) (see Attachment A, Figure 1). The justification for the Removal Assessments was based upon analytical results provided to EPA as a result of previous New Jersey Department of Environmental Protection (NJDEP) soil investigations conducted in 2010 and 2011 of other properties in the area of the Site. The previous investigations indicated that there was lead contamination in the soil at residential properties in the vicinity of the Site. As a result, Removal Assessments were conducted in August 2012 to determine if any additional properties had been impacted by previous operations conducted at the Site. On October 9, 2012, exterior walls of the church building were screened for lead based paints to in order to determine if that was a potential contributing source of the lead contamination in soil.

This report has been prepared to document the field screening activities which were completed in support of the Removal Assessment.

4. Field Screening Summary:

On October 9, 2012, Weston Solutions, Inc., Removal Support Team 2 (RST 2) conducted field screening activities for lead based paint on the exterior walls of the church building located at the intersection of Warren Street and Cornerstone Lane.

Field screening for lead in exterior wall paints was conducted using a Thermal Instruments Niton XL3t portable x-ray fluorescent (XRF) instrument. Locations for XRF field screening were selected at the discretion of the EPA On-Scene Coordinator (OSC). A total of nine lead readings including two to three readings from each of the exterior brick walls, wooden window frames

and a doorway trim were recorded. Locations for lead field screening records can be found in Attachment A, Figure 2.

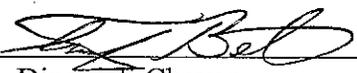
5. Personnel On Site:

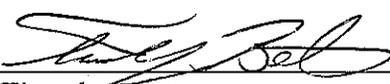
Name	Representing	Duties On-Site
Shawna Hoppe	U.S EPA, Region II	On-Scene Coordinator
Dipanjali Chavan	RST 2, Region II	XRF On-Site Field Screening Technician

6. Field Screening Discussion

Based on the field screening results no lead was detected in beige colored exterior brick wall paint. Lead was detected at concentrations ranging from 0.03 to 0.04 milligrams per square centimeter (mg/cm^2) in window frame paints and red paint border on the exterior walls. Lead was detected at concentration of greater than ($>$) $5 \text{ mg}/\text{cm}^2$ in paints on doorway trim and window frame on the north exterior wall facing Warren Street. A reading of $>5 \text{ mg}/\text{cm}^2$ is the maximum detection limit on the XRF instrument. The U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, dated July 2012, Action Level for lead in paint is $1 \text{ mg}/\text{cm}^2$.

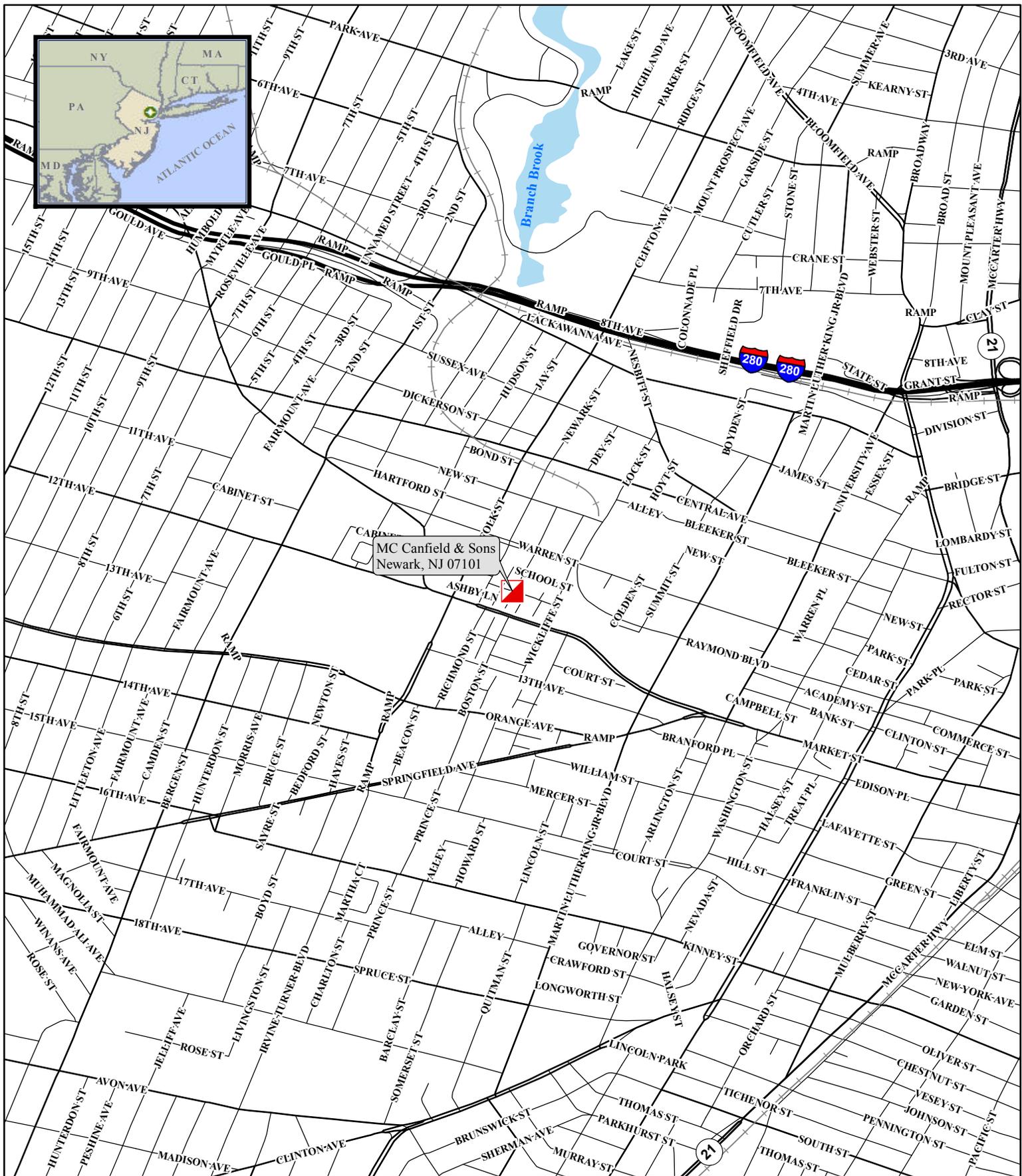
Refer to Attachment B, Table 1 for the Lead Paint Field Screening Summary Table.

7. Report Prepared By:  Date 10/17/12
For Dipanjali Chavan
Project Team Member, RST 2

8. Report Reviewed By:  Date 10/17/12
Timothy Benton
Operations Leader, RST 2

ATTACHMENT A

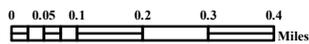
- Figure 1: Site Location Map
 - Figure 2: Lead Paint Field Screening Location Map
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MC Canfield & Sons
Newark, NJ 07101

Legend

 **Site Location**



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Northeast Division

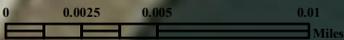
In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

Figure 1
Site Location Map

MC Canfield & Sons Site
Newark, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 8/15/2012
GIS ANALYST: T. BENTON
EPA OSC: S. HOPPE
RST SPM: J. PETTY
FILENAME: SITEMAP.MXD



Legend

Lead Paint Screening Location

Note: > 5 mg/cm² was the maximum detection limit on the XRF instrument.



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Northeast Division

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Figure 2: Lead Paint Field Screening Location Map

MC Canfield & Sons Site
Newark, New Jersey

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 10/17/2012
GIS ANALYST: T. BENTON
EPA OSC: S. HOPPE
RST SPM: J. PETTY
FILENAME: SITEMAP.MXD

ATTACHMENT B

- Table 1: Lead Paint Field Screening Summary Table
-

Table 1
Lead Paint Field Screening Summary Table
MC Canfield and Sons Site
October 9, 2012

Date	Time	Reading	Location	Pass Fail Standard	Pb	Pb +/-
9-Oct-12	10:07:20	1	Brick wall (exterior)	Negative	0	0
9-Oct-12	10:09:02	2	Brick wall (exterior)	Negative	0	0
9-Oct-12	10:09:58	3	Brick wall (exterior)	Negative	0	0
9-Oct-12	10:10:51	4	Wooden Window Frame	Positive	>5*	0.49
9-Oct-12	10:12:27	5	Doorway Wood Trim	Positive	>5*	1.44
9-Oct-12	10:14:01	6	Red Paint border	Negative	0.04	0.02
9-Oct-12	10:17:42	7	Cinder block wall	Negative	0	0
9-Oct-12	10:18:40	8	Wooden Window Frame	Negative	0.03	0.01
9-Oct-12	10:19:45	9	Wooden Window Frame	Negative	0.04	0.01

Notes:

* Maximum detection limit on XRF instrument.

All results are in mg/cm².

U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, dated July 2012, Action Level is 1 mg/cm².