TETRA TECH

February 21, 2007

Ms. Brook Bass
On-Scene Coordinator
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, SW, 11th Floor
Atlanta, Georgia 30303

Subject: **Final Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Removal Action Report**
ESB (Exide) Fund Lead
Atlanta, Fulton County, Georgia
EPA Contract No. EP-W-05-054
TDD No. TTEMI-05-001-0002

Dear Ms. Bass:

The Tetra Tech Superfund Technical Assessment and Response Team (START) is submitting the enclosed final removal action report for the ESB (Exide) Fund Lead site in Atlanta, Fulton County, Georgia. The report summarizes field activities conducted at the site during the removal action from February 13, 2006, through January 17, 2007. Fixed Laboratory Data Validation reports will be sent under separate cover.

If you have any questions about the enclosed report, please call me at (678) 775-3095 or Ed Cotton at (678) 775-3100.

Sincerely,

Yuen-Chang (Didi) Fung
START III Project Manager

Ed Cotton
START III Program Manager

Enclosure

cc: Katrina Jones, EPA Project Officer
Darryl Walker, Alternate EPA Project Officer (Letter Only)
Angel Reed, START III Document Control Coordinator

1955 Evergreen Blvd., Suite 300, Duluth, GA 30096
Tel 678.775.3080 Fax 678.775.3138
www.tetratech.com

CERCLA REMOVAL ACTION REPORT
ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA
EPA CONTRACT NO. EP-W-05-054
TDD NO. TTEMI-05-001-0002

Final Report

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4, Emergency Response and Removal Branch
61 Forsyth Street, SW, 11th Floor
Atlanta, GA 30303

Prepared by

Tetra Tech
Superfund Technical Assessment and Response Team Region 4
1955 Evergreen Blvd., Suite 300
Duluth, GA 30096

Contract No.	:	EP-W-05-054
TDD No.	:	TTEMI-05-001-0002
Date Prepared	:	February 21, 2007
EPA OSC	:	Brook Bass
Telephone No.	:	(404) 562-8770
START III Project Manager	:	Yuen-Chang (Didi) Fung
Telephone No.	:	(678) 775-3095

Prepared by	Reviewed by	Approved by
Penelope Young	Yuen Chang (Didi) Fung	Ed Cotton
Environmental Scientist	START III Technical Reviewer	START III Program Manager

CONTENTS

Section **Page**

Appendix

Attachment

1.0 INTRODUCTION

This report has been prepared under the provisions of Technical Direction Document (TDD) Number (No.) TTEMI-05-001-0002, which the U.S. Environmental Protection Agency (EPA) Region 4 assigned to the Tetra Tech Superfund Technical Assessment and Response Team (START) under Contract No. EP-W-05-054. The overall scope of this TDD, which was monitored by On-Scene Coordinator (OSC) Brook Bass, was to provide technical assistance during removal action activities at the ESB (Exide) Fund Lead (ESB) site in Atlanta, Fulton County, Georgia. Specific elements of this TDD include documentation of removal activities, total lead field screening, collection of samples for waste profiling and confirmation, data validation of analytical results, and preparation of a draft and a final report.

This Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) removal action report discusses the site background (Section 2.0), removal action (Section 3.0), sampling of a ditch north of the site during the removal action (Section 4.0), and summary and conclusions based on the removal action (Section 5.0). Figures and tables are presented in Appendices A and B of this report. Appendix C of this report provides a copy of START's logbook notes, Appendix D presents a photographic log of site conditions and removal action activities, Appendix E contains the laboratory data validation reports, and Appendix F provides a table of witnesses to the removal action activities. Attachment 1 provides the laboratory data packages for sample analytical results and copies of the chain-of-custody forms for samples sent to the analytical laboratory.

2.0 SITE BACKGROUND

The ESB facility is located at 1246 Allene Avenue SW in southwest Atlanta, Fulton County, Georgia. The ESB removal site is located in a three block area surrounding the facility (see Figure 1 in Appendix A). The area is residential, with commercial properties and a railroad line to the north. The site-specific geographic coordinates for the facility are latitude 33.716666 north and longitude 84.400014 west. ESB, Inc., manufactured lead-acid batteries from 1948 until 1982. The company name was changed to Exide, Inc., in 1982, and the current site owner is the Exide Corporation of Horsham, Pennsylvania. The facility allegedly released lead into the air from elevated roof stacks during the battery manufacturing process, and the lead migrated into the surrounding residential area, where it became concentrated in surface soil. Starting in February 2006, START was tasked with providing technical assistance to EPA to delineate the extent of contamination in the neighborhood around the ESB facility. The ESB site removal action

involved 27 residential properties in a three-block area around the facility on Hartford Place SW, Beechwood Avenue SW, Allene Ave. SW, and Erin Avenue SW (see Figure 2 in Appendix A). The removal area does not include the ESB battery plant that allegedly was the original source of the lead contamination.

A report in March, 1991, By NUS Corporation's Superfund Division (NUS) describes a Phase II screening site inspection at the ESB site. Environmental samples were collected and analyzed to assess the potential for onsite exposure and airborne migration of chemicals from the ESB site's battery manufacturing facility. Soil sampling results indicated lead concentrations background in downwind areas south and west of the facility. NUS recommended further investigation of the ESB site for possible inclusion on the National Priorities List (NPL) (NUS, 1991).

In 2004 and 2005, the EPA Region 4 Science and Ecosystem Support Division (SESD) conducted investigations to determine whether the site posed risks to human health and the environment sufficient to warrant further site investigation or remediation. The SESD sampling event is detailed in an EPA report titled "Field Sampling Investigation, ESB Inc.," dated July 2005. SESD identified lead as the contaminant of concern and sampled soil at residential properties around the ESB site to delineate the extent of contamination. Soil samples were sent to a fixed analytical laboratory for analysis of lead. Results indicated lead at concentrations exceeding the EPA Region 9 residential preliminary remediation goal (PRG) of 400 milligrams per kilogram (mg/kg) at 16 properties around the ESB facility.

3.0 REMOVAL ACTION

Starting in February 2006, START was tasked with providing technical assistance to EPA to delineate the extent of contamination in the neighborhood around the ESB facility. Written and photographic documentation of removal activities are provided in Appendices C and D, respectively. The removal action involved the following as discussed below:

- Initial x-ray fluorescence (XRF) screening
- Pre-excavation soil sampling
- Soil excavation
- Soil excavation XRF screening
- Confirmation soil sampling

- Community involvement
- Soil disposal
- Property restoration

3.1 INITIAL XRF SCREENING

Using the Region 9 residential PRG for lead as a guideline (400 mg/kg), EPA set a removal action level (RAL) for lead of 350 mg/kg. START conducted XRF screening at a total of 67 residential properties in a three-block area around the ESB site. A Niton XLT 999SY Series Environmental Analyzer was used to allow for real-time total lead screening during removal activities. XRF screening was performed both before and during removal actions, with some residents not requesting screening until after removal actions began. Figure 2 in Appendix A shows the locations of all residential properties screened.

To conduct XRF screening, START divided each property into "front" and "back" sections. Side yards were considered part of the "front" section. Properties were screened by approximating a grid with each grid square measuring about 5 feet (ft) by 5 ft. The XRF was then used to screen lead in surface soil at each grid intersection. All XRF screening readings were recorded in a field logbook (see Appendix C). At residential properties where XRF lead results exceeded 350 mg/kg, START collected a composite surface soil sample from 0 to 3 inches below ground surface (bgs) for laboratory analysis for total lead and Toxicity Characteristic Leaching Procedure (TCLP) lead for soil disposal purposes (see section 3.7).

3.2 PRE-EXCAVATION SOIL SAMPLING

Sample collection began in February 2006, prior to soil excavation. Samples were analyzed for total lead to verify XRF screening results, which indicated that lead was present at levels that exceeded the RAL. Samples were collected from the 16 properties previously identified by SESD, and from additional properties where XRF screening results indicated lead levels exceeding the RAL. Sampling activities included the collection of a minimum of two composite surface soil samples per residential property from the front and back sections. Pre-excavation surface soil samples were collected from 0 to 3 inches bgs. For each sample, five-point aliquots were collected from a standard "X" pattern. Duplicate and matrix spike/matrix spike duplicate (MS/MSD) samples were collected in accordance with EPA Region 4 SESD "Environmental Investigations Standard Operating Procedures and Quality Assurance Manual" (EISOPQAM) dated November 2001.

The private fixed laboratory procured to analyze the samples was Analytical Environmental Service, Inc. (AES), located at 3785 Presidential Parkway in Atlanta, Georgia. START performed data validation on all data packages received from AES. Appendix E provides the data validation reports, Attachment 1 provides a copy of all data packages received from AES and copies of the chain-of-custody forms for the samples. Table 1 in Appendix B summarizes all sample analytical results for pre-excavation and post-excavation confirmation soil samples. Sample analytical results indicate that the average lead concentration before excavation was 499 mg/kg and the highest lead concentration was 1,600 mg/kg.

Figure 3 in Appendix A shows pre-excavation XRF screening results compared to pre-excavation soil sample analytical results for properties for which those data are available. The XRF readings accurately indicated the presence of lead at concentrations exceeding or below the RAL and were sensitive enough to guide the depth of excavation.

In addition to analysis for total lead, AES was also instructed to analyze composite surface soil samples for TCLP lead for waste profiling purposes. The Resource Conservation and Recovery Act (RCRA) regulatory level for land-based disposal of lead-contaminated waste is 5.0 milligrams per liter (mg/L). All TCLP results were below the regulatory limit except for soil excavated from 786 Hartford Place as discussed in Section 3.7 below.

Pre-excavation soil sampling results identified 11 properties with lead at concentrations exceeding the RAL of 350 mg/kg. In addition to the 16 properties already identified by SESD, a total of 27 properties were therefore identified for the removal action. Because of the potential for human exposure to elevated lead levels in surficial soil, EPA initiated a time-critical removal action at the ESB site for these 27 properties.

3.3 SOIL EXCAVATION

Soil excavation began in June 2006. CMC, Inc. (CMC), the Emergency and Rapid Response Services (ERRS) contractor for the site, brought in loaders, a skid steer, dump trucks, a track hoe, and other heavy equipment for soil excavation. Equipment was staged in a nearby vacant lot and brought to the excavation area as needed. Excavation was conducted using a track hoe beginning at the point of contamination furthest from street and working toward the street to reduce the potential for cross-contamination. The soil was stripped away using a straight-edged bucket to minimize recontamination.

This process was repeated until a small amount of soil was accumulated, and then it was removed by a skid steer loader to either a larger loader or dump truck, depending on accessibility.

Excavation depths ranged from 6 inches to 1 foot or more bgs, depending on XRF readings. Site personnel conducting excavation and removal oversight activities wore appropriate personal protective equipment (PPE) for safety, such as hard hats, steel-toed boots, and reflective vests. Rubber booties were worn within each residential property to prevent tracking contamination off site.

In some tight areas (such as around tree roots and in narrow spaces at the sides of houses or sheds), the ERRS crew removed soil using shovels and wheel barrows. Proper excavation depth was confirmed with XRF readings, as discussed in section 3.9. For some properties, the back and front yards could be excavated sequentially. For five properties from 703 to 727 Erin Avenue SW, several back yards in a row were excavated before the front yards were done. Two alleyways adjoining properties on Allene Street were also excavated, backfilled, and graded.

In some cases, properties initially identified as containing soil exceeding the lead RAL were not excavated. In the case of 1299 Allene Avenue SW, XRF screening results showed a 5-foot-long area in a drip line 30 feet long on the southern side of the house that exceeded the RAL. Because this total area was small (less than 150 ft^2) and because the post excavation composite sampling result was below the RAL (241 mg/kg), EPA decided that the property did not meet removal action qualifications. At 789 Beechwood Avenue, initial XRF readings exceeded the RAL on the western side of the house and in the northeastern corner of the property. Post excavation analytical results all showed lead levels below the RAL (162 mg/kg front yard and 104 mg/kg back yard). EPA decided that this property would not be excavated based on the analytical data. Finally, at 794 Hartford Place, initial XRF readings showed several discrete areas in the back and side yards that exceeded the RAL. In the back yard, these areas included a concrete-bordered flowerbed and two discrete spots near the fence, along with areas on the eastern and western sides of the house. The areas in the east side yard were located in the drip line area. The areas in the west side yard were over a grass-covered, broken concrete driveway. Immediately prior to excavation, START attempted to delineate areas exceeding the RAL in the back yard, but XRF readings were all below the RAL except in the flowerbed area; therefore, the flowerbed area was excavated. The resident declined excavation in the side yards even though XRF readings exceeded the RAL.

Once excavation in a front or back yard was complete for a given property, START collected post-excavation confirmation soil samples as discussed in Section 3.5.

3.4 SOIL EXCAVATION XRF SCREENING

During excavation activities, START conducted in situ XRF screening for lead in a grid pattern at each excavation. The XRF was calibrated before sampling at the beginning of each day's excavation activities. If the XRF analyzer was not used for an extended period of time, it was recalibrated. Calibration was accomplished using standards provided for that purpose by the manufacturer. All calibration readings were recorded in the field logbooks.

XRF readings and diagrams of reading locations were recorded in field logbooks (see Appendix C). The XRF screening duration was 30 nominal seconds to allow the XRF to stabilize in order to reduce standard deviation.

Excavation was performed in approximately 5 ft by 5 ft sections. XRF readings were collected to determine the minimum excavation depth needed to achieve the RAL. Close continual screening prevented over-excavation, shortened the removal duration, and minimized inconvenience to residents. XRF screening during excavation also ensured that an appropriate excavation depth was achieved at each residence. If XRF readings exceeded the RAL, several additional inches of soil were excavated and the area was re-screened using the XRF until the XRF reading was below the RAL. Excavation depth ranged form six inches to one foot or more, depending on how much total lead was present. Once a sufficient amount of soil was removed to achieve the RAL, excavation continued in an adjacent section.

3.5 POST EXCAVATION CONFIRMATION SOIL SAMPLING

Once a property section (back or front yard) was excavated and the XRF screening result was below the RAL, a five-point composite soil sample was collected from the excavated surface and sent to AES for total lead analysis to confirm that the remaining soil was below the RAL. A minimum five-point composite sample of exposed soil was collected, homogenized, and analyzed. In some cases, the homogenized sample was screened ex-situ with the XRF before being placed in the jar. All post excavation confirmation composite surface soil samples were collected using stainless steel bowls and spoons. Samples were labeled according to property address, depth, and front yard (F) or back yard (B). Aliquots were collected in a typical "X" pattern as discussed in Section 3.2.

All residential confirmation samples were analyzed for total lead only. START performed data validation on all data packages received from AES. Appendix B summarizes all sample analytical results for pre-

excavation and post excavation soil samples. Post excavation confirmation sample analytical results showed an average lead concentration of 75.7 mg/kg.

Figure 4 compares XRF ex situ screening results with post-excavation analytical results for 13 samples. For these results, the XRF reading was taken of the homogenized sample before placement in the sample jar. The percent difference between post excavation XRF and post-excavation analytical results is about 4 percent. The XRF readings accurately indicated the presence of lead at concentrations exceeding or below the RAL and were sensitive enough to guide the depth of excavation.

The daycare center at 1243 Allene Avenue was the only location where the analytical sampling result exceeded the RAL. Samples were collected from two areas of the front yard. The first area was sampled on June 17, 2006, and was located immediately against the front of the daycare center (including the drip line) and in a small grass area left and right of a semicircular driveway (See pgs 60 and 61, field logbook 2, Appendix C). The laboratory analytical sample result for the sample collected from this area was 52.6 mg/kg. A subsequent sample was collected on June 24, 2006, from a grassy area in the semicircular driveway and the grass sidewalk strip. This sample contained 442 mg/kg lead. Excavation was hindered in the grass strip section by buried concrete that prevented deeper excavation. EPA decided that because this area is not a high-use area, it would not be re-excavated (See pg. 100-102, field logbook 2, Appendix C).

In some cases, it was necessary to collect confirmation samples after a property had already been backfilled and sod was in place. The sample collection procedure consisted of peeling back sod from an area of approximately 1 ft^2 and removing the backfill down to the excavation layer, which was obvious because of differences in color between the natural clay soil and the backfill material. This process is documented in the logbook notes (see Appendix C) and photographic log (see Photograph No. 16 in Appendix D).

3.6 COMMUNITY INVOLVEMENT

START provided community outreach support during removal activities. At the beginning of the project, START assisted EPA community involvement coordinators in obtaining access authorization from residents. For the remainder of the removal action, START personnel were available to assist residents with contacting appropriate EPA resources to answer their questions or resolve issues. Issues encountered included removal and replacement of plants damaged during the removal activities. The

EPA Community Involvement Coordinator, Ms. Sherryl Carbonaro, provided information to residents on lead exposure.

3.7 SOIL DISPOSAL

CMC disposed of approximately 4,029 tons of excavated soil at BFI Waste Systems of Georgia, Hickory Ridge Landfill, 3330 Moreland Avenue, Conley, Georgia. Soil was sampled and analyzed prior to disposal for TCLP lead. Soil from portions of the property at 786 Hartford was exceptionally discolored, and XRF screening results exceeded 20,000 mg/kg for lead. This soil was segregated and sampled separately for TCLP lead. The TCLP result was 201 mg/L, which is well over the 5.0 mg/L regulatory limit for non-hazardous waste disposal. Because the amount of soil was very small (7.56 tons), EPA decided to ship the soil as hazardous waste rather than treat it on site. The soil was shipped as lead-contaminated waste with a waste code of D008 to Envirite of Ohio, Inc. landfill, located at 2050 Central Avenue SE, Canton, Ohio. Donzi Lane Landfill at 1060 Moreland Industrial Boulevard., Atlanta, Georgia, received 215 tons of non-hazardous debris such as limbs and brush generated during removal activities.

3.8 PROPERTY RESTORATION

CMC restored excavated properties as close to their original conditions as possible. Homeowner involvement in decisions regarding access and disturbance to landscaping was encouraged. All efforts were made to protect existing structures and landscaping items by placing plywood over sidewalks and pipe clean-outs to prevent damage during excavation activities.

All excavated properties were completely backfilled with clean soil brought onto the site from an outside vendor. The backfill source was sampled two different times during the excavation period. Initial sampling was done for mercury, volatile organic compounds (VOC), semi volatile organic compounds (SVOC), and total metals. A subsequent sampling was done for total metals (see Attachment 1). Clean backfill was brought in by dump truck or loader as soon as excavation was complete. The backfill was spread using a skid steer loader. Special attention was paid to proper grading of the yards to ensure proper drainage. Once backfill was in place and compacted, sod was placed at all properties except when otherwise requested by the resident. The sod was compacted using a roller and thoroughly watered. Written care instructions were given to the residents. Seed was sewn at several homes, including the residences at 703 and 713 Erin Avenue and 1283 Allene Avenue. Mulch was piled in the back yard of 1263 Allene Avenue in accordance with the resident's request.

Every effort was made to restore each property to the owner's satisfaction. Some structures had to be removed to gain access to yards. Structures such as dog pens, gates, or fencing were carefully replaced. Occasionally, infrastructure was accidentally damaged by the weight of equipment. The damage was repaired by CMC, and sidewalks and driveways at 790 and 787 Hartford Place and 703 and 717 Erin Avenue were replaced. At 787 Hartford Place, a polyvinyl chloride (PVC) water pipe was damaged and immediately repaired by CMC. The resident was kept informed during the process and was satisfied with the repair. A copper pipe at 1286 Allene Avenue was bent during excavation. CMC immediately repaired this pipe.

4.0 DITCH SAMPLING

A ditch north of the ESB site was found to contain three unidentified drums (see Figure 2 in Appendix A). The area is behind the Great Dane Trailer Company property located at 660 University Avenue SW. START screened the soil with the XRF and collected six soil samples from the ditch for analyses for total RCRA metals and mercury, VOCs, SVOCs, and polychlorinated biphenyls (PCB). TCLP analyses were also conducted for both lead and arsenic. Tables 2 and 3 in Appendix B summarize the XRF screening and analytical results for these samples, respectively.

The XRF yielded high lead and arsenic readings, but only lead was detected during analytical testing. This could be due to interference between the different compounds present. The highest XRF arsenic reading was 118,011 mg/kg, and the highest XRF lead reading was 1,554,499 mg/kg. A grab, in-situ reading was taken with the XRF, Analytical results showed that the only metal detected at a concentration exceeding its RAL was lead at 82,900 mg/kg. Analytical results did not show the presence of arsenic detected during the XRF screening. The laboratory analytical result for arsenic was reported as non-detect below the laboratory reporting limit of 4.44 mg/kg. The EPA Region 9 residential PRG for arsenic is 0.39 mg/kg. The total mercury laboratory analytical result was 0.153 mg/kg, compared to the residential Region 9 PRG of 23 mg/kg. All SVOC laboratory analytical results were below the residential PRGs. The PCB Aroclor 1254 was detected at 550 micrograms per kilogram (µg/kg) which is above the residential PRG of 220 µg/kg.

EPA OSC Rick Jardine, a previous site task monitor, was unable to confirm that the chemicals detected in the samples from the ditch originated from the ESB facility. This ditch is located in an industrial area bordered by a railway and receives surface runoff from nearby facilities. OSC Bass determined that

because the area is not residential, it was outside the scope of the removal action. Results are discussed in this report for future reference only.

5.0 SUMMARY AND CONCLUSIONS

In the March 1991 NUS report, a Phase II site screening inspection indicated that the ESB site presented risks to human health and the environment sufficient to warrant further investigation. In 2005, the EPA Region 4 SESD conducted a field investigation at the site, collected soil samples, and identified 16 properties around the ESB site where soil lead concentrations exceeded the EPA Region 9 residential PRG for residential soil.

On February 13, 2006, EPA directed START to assist in the remediation of contaminated soil at the ESB site. XRF field screening procedures were conducted at 67 properties, and screening results were compared to the site-specific lead RAL of 350 mg/kg. Samples were collected for laboratory analysis to confirm the XRF screening results. The average laboratory lead concentration for the pre-excavation soil samples was 499 mg/kg.

Based on these results, soil at 27 properties was excavated. Post-excavation laboratory confirmation results indicated that 26 properties had been remediated so that lead soil concentrations were below the RAL. The average post-excavation lead concentration was 75.7 mg/kg. The daycare center at 1243 Allene Avenue was the only location where the analytical sampling result exceeded the RAL. This sample from the grass sidewalk strip contained 442 mg/kg lead. The diagram in the logbook shows buried concrete in the sampled area that hindered excavation. EPA decided that because this area is not a high-use area, it would not be re-excavated.

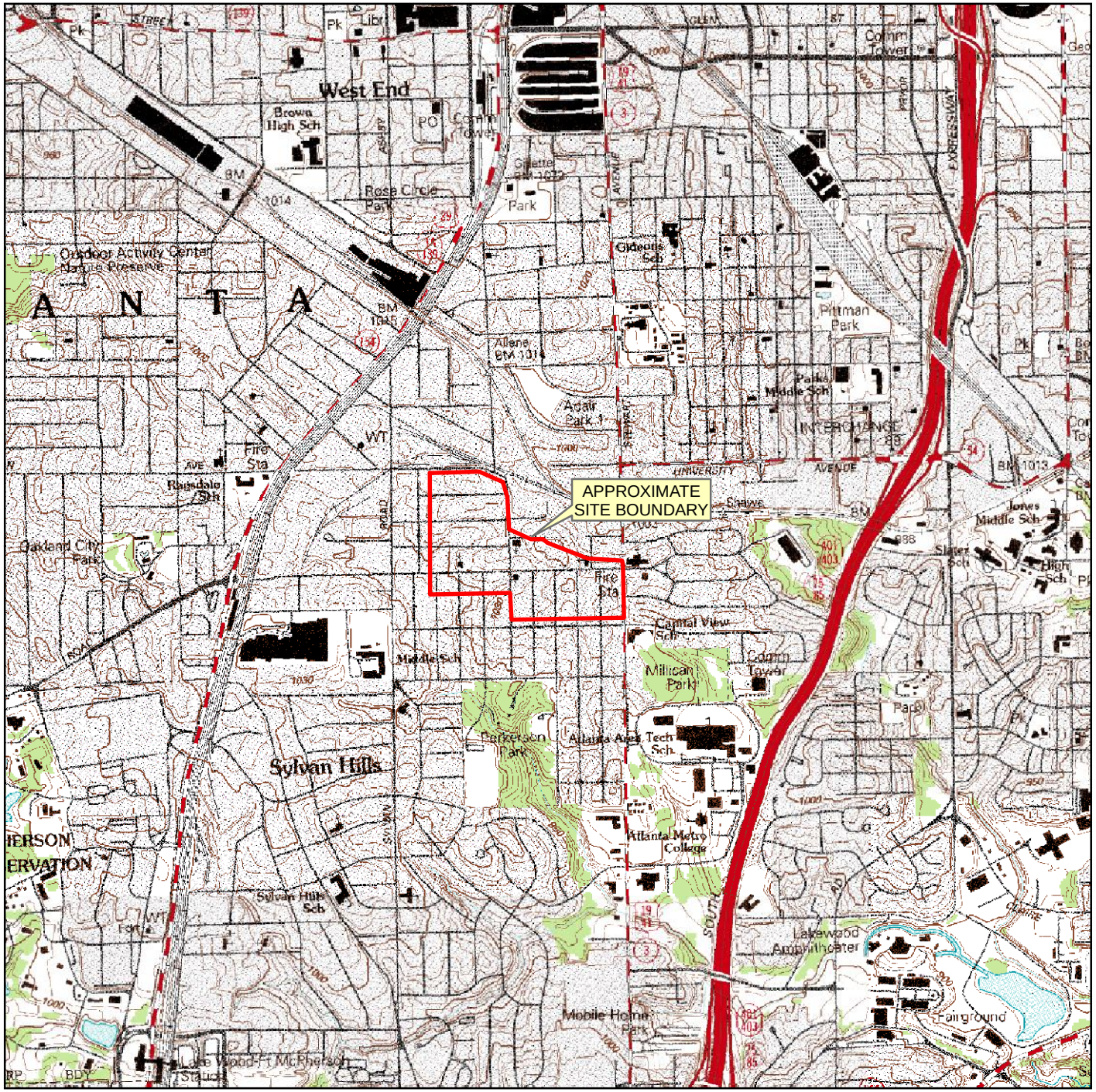
Approximately 4,252 tons of soil and debris were removed from residential properties around the ESB site. BFI Waste Systems of Georgia, Hickory Ridge Landfill, received 4,029 tons of non-hazardous soil. The Envirite of Ohio, Inc., landfill received 7.56 tons of hazardous material. Donzi Lane Landfill received 215 tons of non-hazardous debris. The removal activities were completed on January 17, 2007.

A ditch behind the Great Dane Trailer Company north of the ESB site was found to contain soil with total lead results exceeding the RAL. The ditch was not excavated because EPA determined that the area is outside the scope of the removal action. It also could not be determined whether the ESB site was the source of the contamination.

APPENDIX A

FIGURES

(Four Sheets)



0 1,000 2,000 Feet

MAP SOURCE:
USGS, SOUTHWEST ATLANTA, GA
TOPOGRAPHIC QUADRANGLE, 1997

United States Environmental Protection Agency

ESB (EXIDE) FUND LEAD
ATLANTA,
FULTON COUNTY,
GEORGIA
TDD: TTEMI-05-001-0002

FIGURE 1
SITE LOCATION

Tetra Tech, Inc.

2007-2-16 \GIS_Workspace\ESB Lead\Figures\GIS\MXDs\ESB_SITE_LOCATION_MAP_2-13-07 TTEMI-KY dale.vorbusch

Note: Asterisk in property address number indicates property added after initial screening.

Legend

Parcels

- SCREENED - BELOW REMOVAL ACTION LEVEL
- REMEDIATED
- OTHER PARCEL
- ROAD
- RAILROAD

0 200 400 Feet

United States Environmental Protection Agency

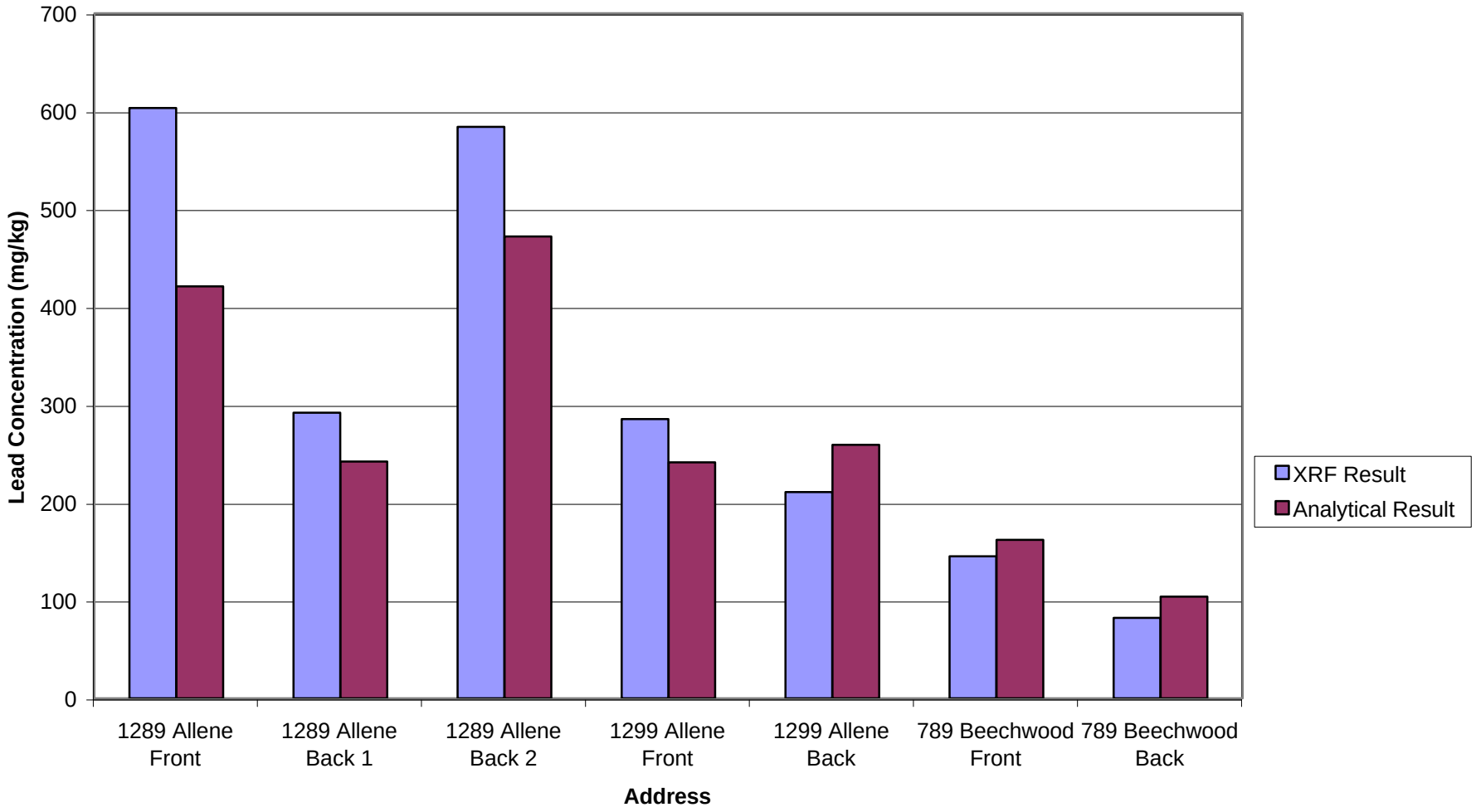
ESB (EXIDE) FUND LEAD
ATLANTA,
FULTON COUNTY,
GEORGIA
TDD: TTEMI-05-001-0002

FIGURE 2
SITE LAYOUT

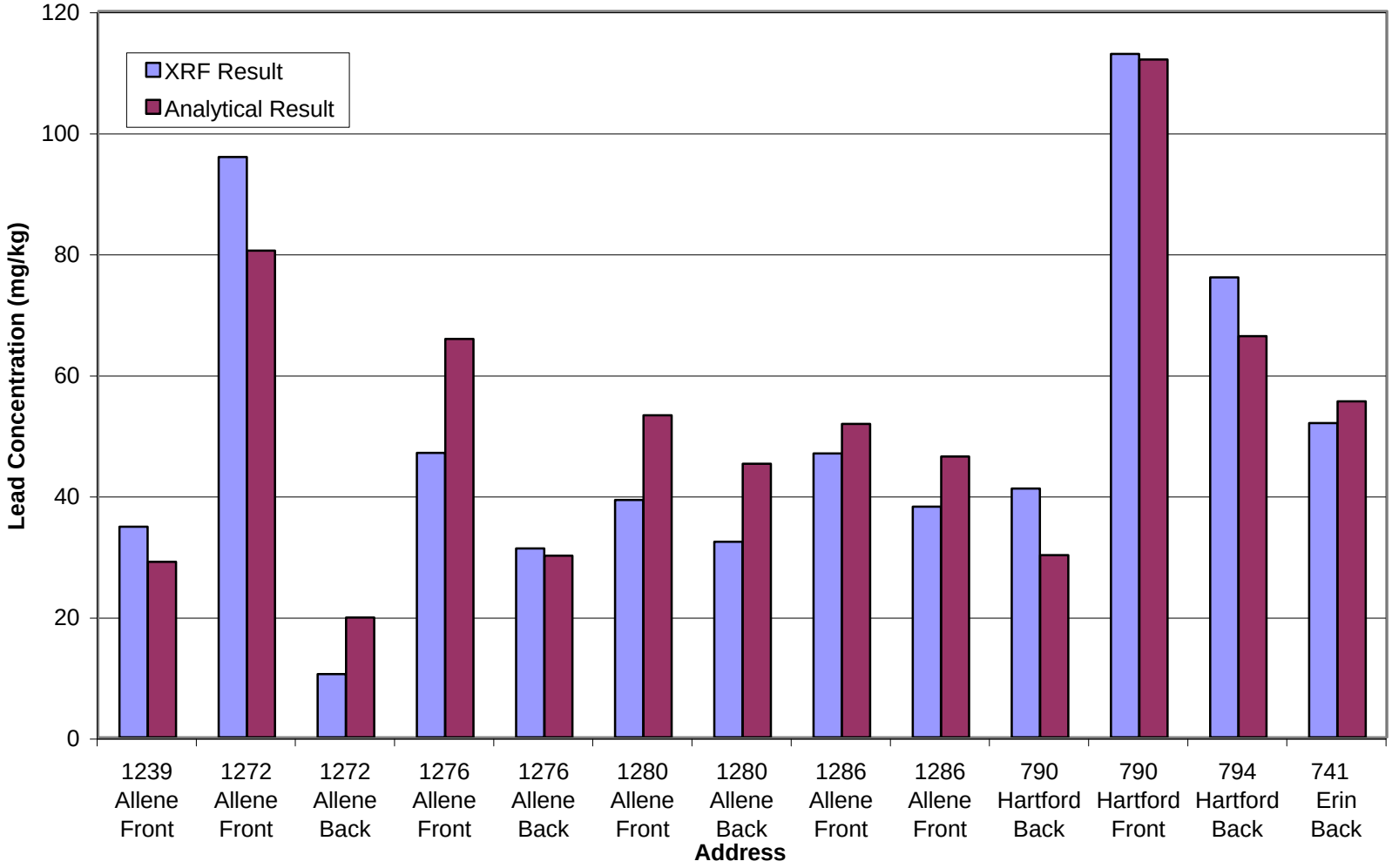
Tetra Tech, Inc.

2007-2-16 \GIS_Workspace\ESB Lead\Figures\GIS\MXDs\ESB_SITE_LAYOUT_2-16-07 TTEMI-KY dale.vonbusch

SOURCE: DIGITIZED PARCELS - FULTON CO. BOARD OF ASSESSORS



ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA
FIGURE 3. PRE-EXCAVATION XRF VS. ANALYTICAL RESULTS FOR LEAD



ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA
FIGURE 4. POST EXCAVATION XRF VS. ANALYTICAL RESULTS FOR LEAD

APPENDIX B

TABLES

(6 Pages)

TABLE 1
SAMPLE ANALYTICAL RESULTS
CERCLA REMOVAL ACTION REPORT
ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA

Address	Delineation and Disposal Characterization Sampling Results				Excavation Start Date	Confirmation Sampling Results		
	Sample Collection Date	Sample Designation	TCLP Lead (mg/L)	Total Lead Concentration (mg/kg)		Sample Collection Date	Sample Designation	Total Lead Concentration (mg/kg)
1239 Allene Avenue	10/18/2004[a]	ESB 2056		1600				
	6/16/2006	ESB-1239 Allene	2.40					
					7/15/2006	12/19/2006	ESB 1239 ALLENE SB6F	29.0 D
1243 Allene Avenue	10/18/2004[a]	ESB 2085A		830				
	10/18/2004[a]	ESB 2085B		260				
	2/15/2006	ESB-1243A	0.210					
					6/17/2006	6/17/2006	ESB 1243 AL SBF6	52.6 W
					6/24/2006	6/24/2006	ESB-1243AL	442 W
1255 Allene Avenue	10/18/2004[a]	ESB 2059		1200	6/20/2006	6/22/2006	ESB-1255AL-SBB6	219 W
	3/10/2006	ESB-1255 ALLENE	0.857			6/28/2006	ESB-1255AL-SBF6	172 W
1259 Allene Avenue	2/15/2006	ESB-1259A	0.112					
	6/21/2006	ESB-1259AL-SSF6	0.0490					
					7/7/2006	7/7/2006	ESB 1259 ALLENE SBF6	58.7 D
1263 Allene Avenue	4/19/2006	ESB-1263 ALLENE		533 W				
	6/21/2006	ESB-1263AL-SSF6	0.0530					
	6/21/2006	ESB-1263AL-SSB6	0.0399					
					7/7/2006	7/10/2006	ESB-1263AL-SBF6	76.3 W
					7/7/2006	7/12/2006	ESB-1263AL-SBB6	25.1 W
1272 Allene Avenue	6/21/2006	ESB-1272AL-SSF6	0.0729					
	6/21/2006	ESB-1272AL-SSB6	0.0279					
					8/17/2006	12/19/2006	ESB 1272 ALLENE SB6B	19.8 D
						12/19/2006	ESB 1272 ALLENE SB6F	80.4 D
1276 Allene Avenue	4/19/2006	ESB-1276 ALLENE		529 W				
	6/21/2006	ESB-1276AL-SSB6	0.205					
	6/21/2006	ESB-1276AL-SSF6	0.896					
					8/18/2006	8/21/2006	ESB-1276AL-SSB7	160 W
						12/19/2006	ESB 1276 ALLENE SB6B	30.0 D
					8/25/2006	12/19/2006	ESB 1276 ALLENE SB6F	65.8 D
1280 Allene Avenue	10/19/2004[a]	ESB 3004		290.0				
	10/3/2006	ESB-1280AL-F		1470 W				
	10/3/2006	ESB-1280AL-B		599 W				
	10/3/2006	ESB-1280ALLENE-F	0.551					
	10/3/2006	ESB-1280ALLENE-B	0.626					
					1/3/2007	1/3/2007	ESB 1280 ALLENE SB6 F	53.2 D
						1/9/2007	ESB 1280 ALLENE SB6 B	45.2 D

TABLE 1
SAMPLE ANALYTICAL RESULTS
CERCLA REMOVAL ACTION REPORT
ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA

Address	Delineation and Disposal Characterization Sampling Results				Excavation Start Date	Confirmation Sampling Results		
	Sample Collection Date	Sample Designation	TCLP Lead (mg/L)	Total Lead Concentration (mg/kg)		Sample Collection Date	Sample Designation	Total Lead Concentration (mg/kg)
1283 Allene Avenue	10/18/2004[a]	ESB 5029		440				
	4/19/2006	ESB-1283 ALLENE		699 W				
	6/21/2006	ESB-1283AL-SSF6	0.0278					
	6/21/2006	ESB-1283AL-SSB6	0.0587					
					7/21/06 B	8/1/2006	ESB-1283AL-SBB6	89.3 W
					8/4/06 F	8/3/2006	ESB-1283AL-SBF6	214 W
1286 Allene Avenue	10/31/2006	ESB-1286 ALLENE-B	0.229					
	10/31/2006	ESB-1286 ALLENE-F	0.540					
	10/31/2006	ESB-1286 AL-F		976 W				
	10/31/2006	ESB-1286 AL-B		302 W				
					1/3/2007	1/4/2007	ESB 1286 ALLENE SB6 F	51.8 D
						1/10/2007	ESB 1286 ALLENE SB6 F 2	46.4 D
1289 Allene Avenue	10/18/2004[a]	ESB 5030		310				
	7/25/2006	ESB 1289 ALLENE SBF	0.484	421 W				
	7/25/2006	ESB 1289 ALLENE SBB1	0.0673	242 W				
	7/25/2006	ESB 1289 ALLENE SBB2	0.228	472 W				
					8/2/06 B	8/3/2006	ESB-1289AL-SBB6-D	84.2 W
					8/3/06 B	8/3/2006	ESB-1289AL-SBB6-D	73.1 W
					8/4/06 F	8/9/2006	ESB-1289AL-SBF6	77.8 W
1290 Allene Avenue	11/11/2006	ESB 1290 ALLENE SBF6		137 D				
	11/11/2006	ESB 1290 ALLENE SBB6		174 D				
1293 Allene Avenue	10/18/2004[a]	ESB 5031		220				
					8/10/06 B	8/14/2006	ESB-1293AL-SBB6	56.1 W
1299 Allene Avenue	12/20/2006	ESB 1299 ALLENE SB3F	0.122	241 D				
	12/20/2006	ESB 1299 ALLENE SB3B	0.0637	259 D				
789 Beechwood Avenue	12/20/2006	ESB 789 BEECHWOOD SB3F	0.0500 U	162 D				
	12/20/2006	ESB 789 BEECHWOOD SB3F DUP	0.0500 U	162 D				
	12/20/2006	ESB 789 BEECHWOOD SB3B	0.0500 U	104 D				
703 Erin Avenue	4/19/2006	ESB-703 ERIN		681 W				
	6/21/2006	ESB-703ER-SSF6	0.158					
	6/21/2006	ESB-703ER-SSB6	0.811					
					9/12/2006 B	9/19/2006	ESB-703ER-SBB6	12.7 W
					9/20/2006 F	9/20/2006	ESB-703ER-SBF6	37.0 W
707 Erin Avenue	6/21/2006	ESB-707ER-SSF6	R					
					9/12/2006 B	9/19/2006	ESB-707ER-SBB6	21.2 W
					9/20/2006 F	9/20/2006	ESB-707ER-SBF6	44.9 W

TABLE 1
SAMPLE ANALYTICAL RESULTS
CERCLA REMOVAL ACTION REPORT
ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA

Address	Delineation and Disposal Characterization Sampling Results				Excavation Start Date	Confirmation Sampling Results		
	Sample Collection Date	Sample Designation	TCLP Lead (mg/L)	Total Lead Concentration (mg/kg)		Sample Collection Date	Sample Designation	Total Lead Concentration (mg/kg)
713 Erin Avenue	9/14/2006	ESB-713 Erin	0.380					
					9/23/2006	9/27/2006	ESB-713ER-SBB6	27.9 W
717 Erin Avenue	9/27/2006	ESB-717ERIN-F	0.416					
	9/27/2006	ESB-717ERIN-B	0.204					
	9/27/2006	ESB-717ER-F		451 W				
	9/27/2006	ESB-717ER-B		444 W				
					9/27/2006	10/4/2006	ESB-717 ERIN-SBB6	29.4 W
						12/19/2006	ESB 717 ERIN SB6F	22.0 D
721 Erin Avenue	10/6/2006	ESB-721ER-F	0.161					
	10/6/2006	ESB-721ER-B	0.135					
	10/6/2006	ESB-721Erin-F		286 W				
	10/6/2006	ESB-721Erin-B		443 W				
					10/11/2006	10/24/2006	ESB-721 ERIN-SBB6	57.7 W
727 Erin Avenue	4/19/2006	ESB-727 ERIN		353 W				
	6/21/2006	ESB-727ER-SSF6	0.183					
	6/21/2006	ESB-727ER-SSB6	0.111					
					10/13/2006	10/24/2006	ESB-727 ERIN-SBB6	52.7 W
731 Erin Avenue	10/19/2006	ESB-731ERIN-B	0.779		10/30/2006	11/2/2006	ESB 731 ERIN SBB6	51.7 D
735 Erin Avenue	10/30/2006	ESB-735-Erin-F	0.0977					
	10/30/2006	ESB-735 Erin-B	0.709					
	10/30/2006	ESB-735 ER-F		249 W				
	10/30/2006	ESB-735 ER-B		651 W				
					11/3/2006	11/10/2006	ESB 735 ERIN SBB6	17.8 D
741 Erin Avenue	10/19/2004[a]	ESB 3007B		460				
	4/19/2006	ESB-741 ERIN		603 W				
	6/21/2006	ESB-741ER-SSF6	0.319					
	6/21/2006	ESB-741ER-SSB6	0.315					
					8/22/2006	1/9/2007	ESB 741 ERIN SB6 B	55.5 D
786 Hartford Place	10/19/2004[a]	ESB 0557		1200				
	3/7/2006	ESB-786 HARTFORD PLACE	1.20					
	6/7/2006	ESB-786 HARTFORD-SBB6	201					
					6/6/06 B	6/9/2006	ESB-786HARTFORD-SB6	133 W
					6/8/06 F	6/9/2006	ESB-786 HF	134 W
787 Hartford Place	8/30/2006	ESB-787 Hartford	0.445					
					11/27/2006	12/8/2006	ESB 787 HARTFORD SBB6	38.6 D
						12/8/2006	ESB 787 HARTFORD SBF6	66.8 D

TABLE 1
SAMPLE ANALYTICAL RESULTS
CERCLA REMOVAL ACTION REPORT
ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA

Address	Delineation and Disposal Characterization Sampling Results				Excavation Start Date	Confirmation Sampling Results		
	Sample Collection Date	Sample Designation	TCLP Lead (mg/L)	Total Lead Concentration (mg/kg)		Sample Collection Date	Sample Designation	Total Lead Concentration (mg/kg)
790 Hartford Place	10/19/2004[a]	ESB 2054		470				
	3/2/2006	ESB-790 HARTFORD	0.304					
					6/15/2006	12/18/2006	ESB 790 HARTFORD SB6F	112 D
						12/18/2006	ESB 790 HARTFORD SB6B	30.1 D
791 Hartford Place	8/15/2006	ESB-791 HARTFORD-B	0.0858					
	8/30/2006	ESB-791 Hartford-F	0.141					
					12/4/2006	12/7/2006	ESB 791 HARTFORD SBB6	62.0 D
					12/12/06 F	12/12/2006	ESB 791 HARTFORD SBF6	28.6 D
793 Hartford Place	8/30/2006	ESB-793 Hartford-F	0.123					
	8/30/2006	ESB-793 Hartford-B	0.444					
					12/1/2006	12/7/2006	ESB 793 HARTFORD SBB6	32.6 D
					12/13/2006	12/13/2006	ESB 793 HARTFORD SBF6	126 D
794 Hartford Place	10/19/2004[a]	ESB 2053		370				
	9/29/2006	ESB-794HF-B		458 W				
	9/29/2006	ESB-794HF-F		440 W				
	9/29/2006	ESB-794HARTFORD-B	0.159					
	9/29/2006	ESB-794HARTFORD-F	0.266					
					1/12/2007	1/12/2007	ESB 794 HARTFORD SB6B MS/MSD	66.3 D

Notes:
mg/L = Milligrams per liter
mg/kg = Milligrams per kilogram
R = Result was rejected due to quality control problems.
SESD = Science and Ecosystem Support Division
TCLP = Toxicity Characteristic Leaching Procedure
U = The analyte was analyzed for, but was not detected at or above the associated value.
W = Wet-weight
D = Dry-weight
[a] From SESD Report titled "Field Sampling Investigation, ESB Inc.," dated July, 2005

Sample Identification:
A = Front yard (2004)
B = Back Yard
F = Front Yard
SS = Subsurface
SB= Subsurface
DUP = Duplicate
6 = 0 to 6 inches below ground surface
3 = 0 to 3 inches below ground surface

TABLE 2
XRF READINGS FOR SOIL IN DITCH NORTH OF
ESB (EXIDE) FUND LEAD SITE
ATLANTA, FULTON COUNTY, GEORGIA

XRF Reading Number	Lead XRF Reading[a] (mg/kg)	Lead XRF Reading Error[a] (mg/kg)	Arsenic XRF Reading (mg/kg)	Arsenic XRF Reading Error (mg/kg)
553	5,951.31	121.02	BRL	BRL
554	1,482.08	87.32	139.64	62.24
555	1,362.37	89.68	62.38	62.22
556	482,401.41	5,481.39	28,596.31	3,839.74
557	1,159,222.00	13,615.24	91,600.44	9,642.34
558	215,329.64	4,593.92	16,781.03	3,251.10
559	1,693.78	147.72	323.92	110.58
560	347.12	31.04	33.42	22.04
561	272.08	29.55	BRL	BRL
562	1,500.83	55.82	BRL	BRL
563	1,554,499.00	10,611.11	118,011.42	7,501.87
564	2,437.45	83.56	91.24	57.75
565	24,056.85	282.38	830.19	194.97
566	1,348.33	52.83	121.18	37.56
567	1,473.71	78.03	80.84	54.41
568	20,248.33	304.22	1,710.03	216.08
569	69,528.55	897.75	2,439.48	620.13
570	931,707.31	7,546.73	59,903.02	5,301.10
571	31,036.31	403.68	1,846.69	282.78
572	30,098.23	390.32	1,056.15	269.62
573	1,496.10	80.91	165.14	58.17
574	30,253.75	414.09	2,695.41	294.81
575	580.96	53.60	119.09	40.20
576	642.53	51.44	98.06	37.66
577	920.39	63.79	74.76	45.09

Notes:

BRL = Below reporting limit
mg/kg = Milligram per kilogram
XRF = X-ray fluorescence

[a] Compare to site removal action level (RAL) of 350 mg/kg

TABLE 3
SAMPLE ESB-GDT-SS6
ANALYTICAL RESULTS FOR DITCH NORTH OF ESB (EXIDE) FUND LEAD SITE
ATLANTA, FULTON COUNTY, GEORIGA

Parameter	EPA Region 9 PRG for Residential Soil	EPA Region 9 PRG for Industrial Soil	Fixed Laboratory Concentration[a]
Total Metals (mg/kg - wet)			
Aluminum	76,000	100,000	7,200
Barium	5,400	67,000	88.2
Calcium	SNA	SNA	1,060
Chromium	210	450	21.6
Cobalt	900	1,900	2.98
Copper	3,100	41,000	51.1
Iron	23,000	100,000	13,900
Lead	400	800	**82,900**
Magnesium	SNA	SNA	503
Manganese	1,800	19,000	57.0
Potassium	SNA	SNA	826
Vanadium	78	1,000	27.1
Zinc	23,000	100,000	47.3
Total Mercury (mg/kg - wet)			
Mercury	23	62	0.153
Semivolatile Organics (µg/kg - wet)			
Benz(a)anthracene	620	2,100	400
Benzo(a)pyrene	62	210	360
Benzo(b)fluoranthene	620	21,000	520
Bis(2-ethylhexyl)phthalate	35,000	120,000	1,500
Chrysene	62,000	210,000	460
Fluoranthene	2,300,000	22,000,000	1,100
Phenanthrene	SNA	SNA	960
Pyrene	2,300,000	29,000,000	890
Volatile Organics (µg/kg - wet)			
Acetone	140,000	54,000,000	330 J
Polychlorinated Biphenyls (µg/kg - wet)			
Aroclor 1254	220	740	**550**

Notes:
Bold result exceeds PRG
EPA = Environmental Protection Agency
mg/kg - wet = Milligrams per kilogram (wet-weight)
ug/kg - wet = Micrograms per kilogram (wet-weight)
PRG = Preliminary remediation goal
SNA = Standard not available
J = The analyte was detected and the associated value is considered estimated for quality control reasons.
[a] Results from Analytical Environmental Services, Inc. (AES) analyses.

APPENDIX C

LOGBOOK NOTES

(331 Sheets on Compact Disc, submitted under separate cover)

CONTENTS

PAGE	REFERENCE	DATE

Heidi Ruddy
(610) 742-5614

Stephanie Brown
Community Relations
Action Memo
404-562-8450

"Rite in the Rain"
ALL WEATHER WRITING PAPER

Name: ESB, Inc ~~ESS, Inc.~~
1246 Allene Ave, SW
Address: Atlanta, GA

Phone:

LEGAL DOCUMENT
DO NOT DESTROY

Project:

68 W.00.0005

"Rite in the Rain" - A unique All Weather Writing paper created by J.L. Darling to enhance the outdoor image. It is widely used throughout the world by outdoor organizations, field data in all kinds of weather.

Available in a variety of standard and custom printed [illegible] loose leaf sheets, spiral and stapled notebooks, multi copy sets and [illegible] paper.

For best results, use a pencil or an all weather pen.

J. L. DARLING CORPORATION
Tacoma, WA 98424-1837 USA
(253) 922-5825 • FAX (253) 922-5848
www.RiteintheRain.com

1040 OSC Knight and Tetra Tech Greg Harper and Rick Ecard at the site. the site is fenced and locked.

1050 OSC and Tetra Tech contacting property owners for site access

1145 Tetra Tech contacted Excid Technology

1130 Tetra Tech spoke with Matthew Love

Matthew Love 3000 Montrose Ave
Env Dpt. Reading, PA 19605
610 921 4054 610 921 4062 fax

OSC Knight spoke with Glenn with Superior K-9. Glenn carries shepard Dogs on the property

1145 Glenn Whitten of Superior K-9 on site

OSC Knight spoke with Matthew Love about walking the property. Matthew OK a walk through with Mr Whitten.

1215 OSC and Tetra tech walked the south east side of the property

1220 OSC and Tetra Tech will walk inside of the building and the North side of property.

Photo log

#	Photo	Direction	Photographer
1	Southeast corner	W	GH
2	Railroad spur	E	GH
3	Northeast corner	W	GH
4	Control Panel @ Neutralization Pit	E	RLE
5	Control Panel @ Neutr. Pit	E	RLE
6	Neutralization Tank	E	RLE
7	Cradle	E	RLE
8	Drainage	E	RLE
9	Backside of Concrete Base	NE	GH
10	Small drain back of neutralization control room	S	RLE
11, 12	Lead Oxide Mfg equip.		RLE
13	Acid Pit/Brick	NE	RLE

1245 OSC and Tetra Tech off site

Note the Rad meter and PID were used during the entire walk through there were no readings above background or either.

1255 OSC and Tetra Tech drove around the site and adjacent neighborhood to determine the site drainage. The site appears to flow into a stormwater drain before it leaves the site.

#	Photo	Direction	Photo.
14	Containment Pit	NE	RLE
15	Profile of bldg.	NE	RLE

Photo Log

Rick Ford

THURSDAY 8/19/04

0800 START team member Didi Fung arrives at the Duluth, GA office. Didi gathers site documentation (historical) and maps, camera, etc. that may be needed for the site walk at ESB. (1246 Allene Ave)

0930 START meets with EPA

Both decide to drive the surrounding neighborhood to idenify residential areas from commercial. Both parties also reviewed past sampling analytical results. This also helped expand or contract the porposed sampling/screening boundary that surrounds the ESB property.

1100 START and EPA completed the site walk. A boundary was decided as follows:
Northern boundary: Lexington Ave.
Eastern boundary: Metropolitan Parkway.
Southern boundary: Lynnhaven Drive
Western boundary: Hartford Ave.

1110 Digital photographs were taken of the neighborhood after EPA left the site.

1130 START returned to the Duluth, GA office.

Didi Fung

8

9/27/04 ESB site

2:50 — OSC onsite, START GAVE A DEBRIEF

Michael D. Shannon
Project Scientist
Environmental, Health & Safety

EXIDE TECHNOLOGIES

Exide Technologies
3000 Montrose Avenue
Reading, PA 19605
610.921.4063 tel
610.921.4062 fax
267.735.9648 cell
michael.shannon@exide.com
www.exide.com

Heidi L. Ruddy
Field Professional

ADVANCED GEOSERVICES CORP.
"Engineering for the Environment"™

1055 Andrew Drive, Suite A
West Chester, PA 19380-4293
Direct: (610) 840-9151
Fax: (610) 840-9199
Email: hruddy@agcinfo.com

www.agcinfo.com

MONDAY 9/27/04

WEATHER: TORENTIAL RAINS DUE TO TROPICAL DEPRESSION. 70°S, VERY WINDY.

- OSC LED A REVIEW OF THE H&S PLAN. ONE CHANGE WAS MADE; HOSPITAL WAS CHANGED TO GRADY HOSPITAL.
- AGC REVIEWED THE SAMPLING PLAN WITH THE OSC AND START.
- AGC SET UP ~~[illegible]~~ THEIR SUPPLIES AND DECON AREA IN THE MAIN OPERATIONS PLANT NEAR THE FORMER SHIPPING OFFICE AND LOADING DOCK.
- OSC, IN PREVIOUS CORRESPONDENCE ADDED VOC AND SVOCS TO THE SAMPLE ANALYSIS. AGC ORIGINALLY PROPOSED ONLY SAMPLING FOR LEAD.
- OSC ALSO MENTIONED THE Public Relation group WILL BE OUT CANVASING THE NEIGHBORHOOD TO INFORM THE RESIDENTS OF THE ACTIVITY AT THE ESB SITE.

9/27/04 MONDAY

- 1600 START, AGC, OSC SIGNED THE H&S PLAN.
- RAIN SHOWER INCREASING IN STRENGTH. SITE IS EXPERIENCING LOCALIZED FLOODING.

1700 SITE ACTIVITIES ENDED ~~[illegible]~~ FOR DAY.

- WEATHER REPORT PREDICT THAT RAIN WILL END TONIGHT AND SKIES WILL BE CLEAR W/ NO RAIN FOR ~~THE~~ ENTIRE WEEK.

TETRA TECH, INC.

John Wright
Program Manager
Tetra Tech EM Inc.

101 Marietta Street Suite 2400 Atlanta, GA 30303
Tel (404)225-5515 • Fax (404)577-4070
john.wright@ttemi.com
www.ttemi.com

TUESDAY 9/28/04

WEATHER: BREEZY, PARTLY CLOUDY 70°. SITE RECEIVED ABOUT 4 inches OF RAIN FROM TROPICAL STORM.

8:30 START ON SITE. (JOHN WRIGHT)

- ADVANCED GEOSERVICES ~~GROUP~~ CORP. (AGC) ON SITE AT 7:15 AM.
- ATLAS GEO-SAMPLING CO. ON SITE AT 8:00 AM TO PERFORM GEO PROBE ACTIVITIES.

0840 - START (JW) AND (AGC) HEIDI RUDDY TOUR THE SITE AND MARK SAMPLING LOCATIONS. (SEE SAMPLING MAP). SOME OF THE PROPOSED SAMPLE LOCATIONS ARE UNDER WATER AND WILL BE OFF-SET TO AVOID SAMPLE CONTAMINATION

∴ ALL SAMPLE LOCATIONS WILL BE GPS LOCATED.

0900 START TALKED SANDRA HARRIGAN (START) WHO IS PERFORMING COMMUNITY OUTREACH TODAY. THAT TEAM WILL WORK THE NEIGHBORHOOD SURROUNDING THE SITE.

0920 STS, ENGINEERS & CONTRACTORS (UTILITY LOCATOR) ON SITE TO MARK GAS AND

9/28/04 TUESDAY

ANY OTHER UNDERGROUND UTILITY.

- AGC & ATLAS WILL START SAMPLING ACTIVITIES WHEN THE UTILITY LOCATOR HAS COMPLETED HIS TASK.

0940 UTILITY LOCATOR COMPLETED TASK.

- ATLAS BEGAN GEO PROBE ACTIVITIES
- MICHAEL SHANNON (EXIDE TECHNOLOGIES) ON SITE 09:20 AM

1115 — AGC & ATLAS CONTINUING TO GEO PROBE (SAMPLE) THE NORTH YARD. 8 ~~SAMPLES~~ BORINGS WILL BE ADVANCED ~~COLLECTED~~ IN ~~FROM~~ THE NORTH YARD. ~~A BIGGER SAMPLES WILL BE COLLECTED~~ 2M

6 BORINGS WILL BE ADVANCED IN THE EAST YARD. BORINGS WILL BE ADVANCED TO A MINIMUM OF 4 FEET BGS. 4 BORINGS NEAR THE ACID TOWER WILL BE ADVANCED TO 8 FEET, OR REFUSAL.

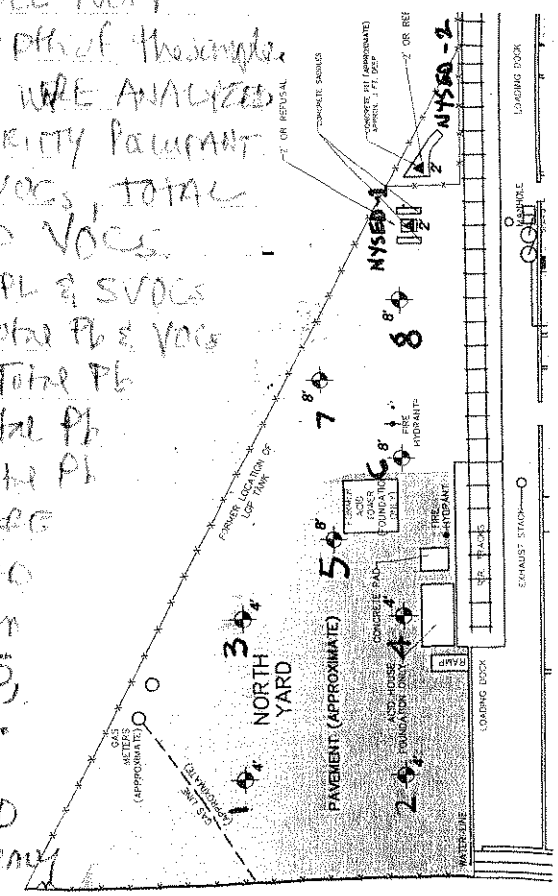
1145 ATLAS COMPLETED 8 BORINGS IN THE NORTH YARD. AGC IS COMPLETING SAMPLE COLLECTION ACTIVITIES. ATLAS SETTING UP AT THE EAST YARD.

9/28/04

NYG — NORTH YARD GEOPROBE

- 1 — SAMPLE NO. 1
- 0-6" — Depth of the sample.
- SAMPLES WERE ANALYZED FOR, PRIORITY POLLUTANT METALS, SVOCs, TOTAL Lead, AND VOCs.
- 0-6" — PPL & SVOCs
  6"-12" — Total Pb & VOCs
  12"-24" — Total Pb
  24"-36" — Total Pb
  36"-48" — Total Pb

∴ SAMPLE WERE ALSO COLLECTED FROM 48" down to 8' on NYG-5, NYG-6, 7 & 8. Those SAMPLES WERE ARCHIVED AND CAN POTENTIALLY BE SAMPLED BASE ON RESULTS FROM THE SHALLOWER SAMPLES. AGC ATLAS COLLECTED ALL THE APPROPRIATE QC SAMPLES.

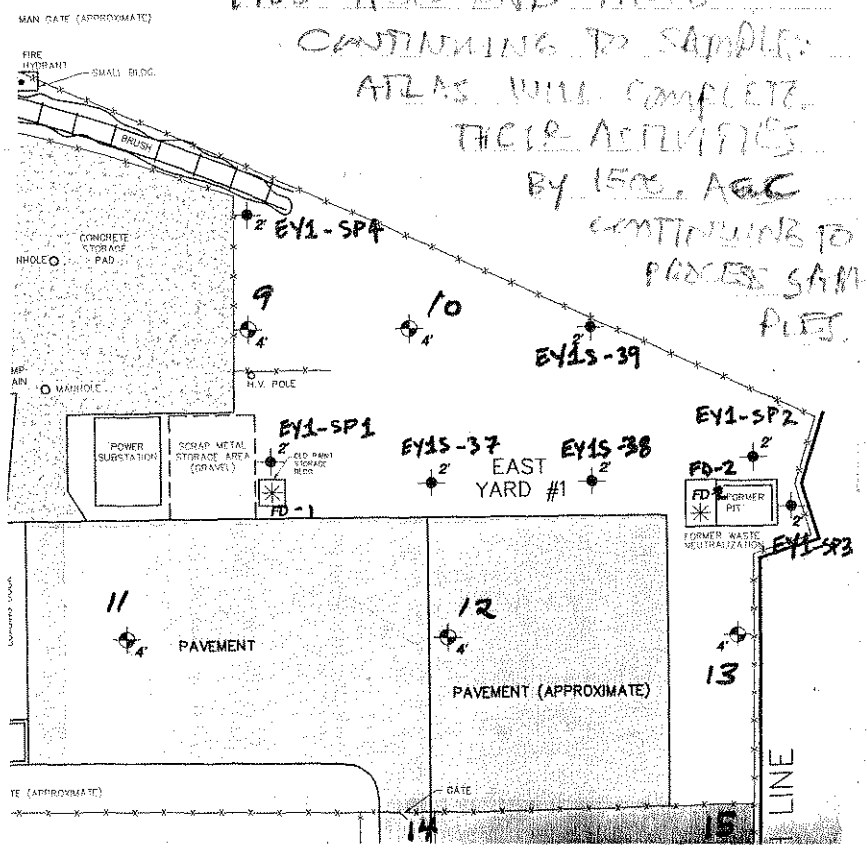


9/28/04 TUESDAY

1200 ATLAS, AGC, START AND EXIDE OFF SITE FOR LUNCH.

1300 ATLAS, AGC AND EXIDE BACK ON SITE. ATLAS AND AGC BEGAN SAMPLING EAST YARD #1. ATLAS CONTINUED GEOPROBE ACTIVITIES.

1400 AGC AND ATLAS CONTINUING TO SAMPLE. ATLAS WILL COMPLETE THEIR ACTIVITIES BY 1500. AGC CONTINUING TO PROCESS SAMPLES.



9/28/04

AGC COLLECTED 7 SAMPLES FROM EASTYARD #1: EY1-9, 10, 11, 12, 13, 14 & 15

EACH SAMPLE HAD SUBSURFACE INTERVAL TESTED:

0-6" — PPL Metals, TCL/TAL

6"-12" — Total Pb, TCL SVOCs

12"-24" — Total Pb.

- AGC COLLECTED ALL OF THE APPROPRIATE QC SAMPLES FOR EAST YARD #1.
- SAMPLING PLAN HAS ALL OF SAMPLE LOCATIONS AND INTERIM SITE SAMPLING MAP.
- ALL SAMPLE LOCATIONS WILL BE MAPPED AND DOCUMENT WITH GPS.

1315 AGC LEAVING SITE TO COMPLETE SHIPMENT & PACKAGING OF SAMPLES TO THE LABS

1320 SITE CLOSED FOR THE DAY.

WEDNESDAY Sept 29 2004

WEATHER: OVERCAST, 70°S, NO RAIN.

8:35 START (JW) ON SITE.
(800) - AGC & GEORGIA POWER (GP) ONSITE
- GP ~~BEGAN~~ SAMPLING OLD TRANSFORMER AREA ON SITE. MIKE S. with GP
- AGC SAMPLING EAST YARD #2. ACCESS IS DIFFICULT TO THIS PART OF THE SITE.
- SESD WILL BE ON SITE at 1000 TO ACCESS SAMPLING NEEDS FOR THE SURROUNDING COMMUNITY
9:40 AGC CONTINUING TO SAMPLE EAST YARD #2.
10:30 TIM SIMMONS (SESD) ON SITE TO FIRM UP SAMPLING APPROACH FOR ESB'S SURROUNDING NEIGHBORHOOD
11:16 STOPPED BY MR. KIRKLAND'S (?) HOUSE AT ___ ERIN AVE. WENT TO HIS BACKYARD TO GET AN IDEA OF TOPOGRAPHY IN REGARDING ESB SITE BOUNDARY.

WEDNESDAY 9/29/04

11:25 START (JW) & SESD (TS), WHILE SCOPING THE SURROUNDING NEIGHBORHOOD MET UP WITH THE COMMUNITY RELATIONS' GROUP, LEAD BY C. CARBONARO & STEPHANIE ___, THEY WERE GETTING LOW TURNOUT FROM RESIDENTS. IT APPEARS THAT EVERYONE IS AT WORK.
- COMMUNITY RELATIONS GROUP IS SECURING ACCESS AGREEMENTS FROM ~~RE~~ RESIDENT WHO COULD POTENTIALLY SAMPLED, (YARDS).
- SESD CONFIRMED THAT THEY ARE PREPARED TO SAMPLED ABOUT 200 HOMES. SESD WILL FIRM UP THE SAMPLING SCHEME THIS AFTERNOON.
12:10 START / SESD BACK AT THE SITE. AGC IS LEAVING SITE FOR LUNCH WILL RETURN IN AN HOUR.
12:20 SESD OFF SITE BACK TO ATHENS.
12:40 START OFF SITE ~~FOR~~ LUNCH.
1330 START BACK ON SITE.
- AGC COMPLETED SAMPLING THE DRAINAGE DITCH IN EAST YARD #2.

9/29/04 WEDNESDAY

~~THE~~ AGC - TOOK 7 SAMPLES AT 50' INTERVALS. SEE DIAGRAM.

- AGC SAMPLING THE REMAINDER OF THE EAST YARD #2.
- START ALSO BRIEFED OSC ON SITE ACTIVITIES AND SESD ACTIVITIES.

1500 START REVIEWING SITE FILES TO ASSIST SESD WITH SAMPLE SCHEME.

∴ SESD PROPOSED SAMPLING ~~THE~~ ABOUT 200 PROPERTIES AROUND THE SITE AND NEIGHBORHOOD. SESD PROPOSED SAMPLING ABOUT 50 PROPERTIES ADJACENT TO THE SITE, INITIALLY; SCREENING FOR LEAD W/A XRF. THEN EXPAND OUTWARD INTO THE COMMUNITY.

- SESD PROPOSED SPLITING THE 50 PROPERTIES ~~AD~~ IMMEDIATELY ADJACENT TO SITE INTO 2 SAMPLE ZONES: FRONTYARD AND BACKYARD (WHICH ABUTS THE ESB SITE). BOTH SAMPLES WILL BE COMPOSITE IN NATURE AND FROM 0-3" DEEP (SURFACE) BELOW GROUND SURFACE.
- EXIDE ALSO HAD A EXHAUST STACK 20-25 YEARS AGO WHICH COULD HAVE DISTRIBUTED LEAD DUST IN THE

HELP 9/29/04

NEIGHBORHOOD. SAMPLE WILL DETERMINE IF THIS IS THE CASE.

1600 - AGC CONTINUING TO SAMPLE EAST YARD #2. EAST YARD #2 is VERY OVERGROWN WITH KUDZO AND SHRUBS. BECAUSE OF THIS, IT IS TAKING LONGER FOR AGC TO COMPLETE SAMPLING.

1700 AGC COMPLETED SAMPLING THE EAST YARD #2. AGC TOOK 7 SAMPLES FROM THE DRAINAGE ~~AREA~~ DITCH ~~AND~~ AT 50' INTERVALS AND 7 ADDITIONAL SAMPLES FROM THE EAST YARD #2. SAMPLE WERE COLLECTED UP 2' BGS.

EY 2A-1, 2, 3, 4, 5, 6 & 7 WERE ALL SEDIMENT SAMPLES:

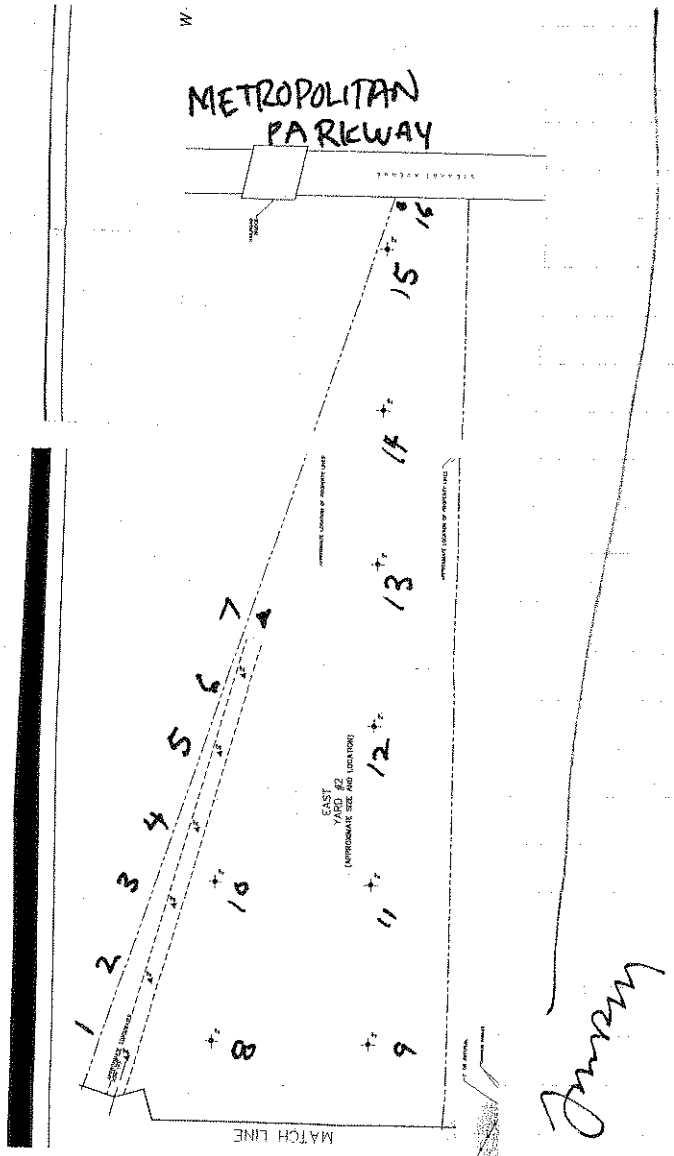
0-6" - PPL Metals
6"-12" - Total Lead
12"-24" - Total Lead

EY 2S 8, 9, 10, 11, 12, 13, 14, 15 & 16 WERE ALL SOIL SAMPLES

0-6" - PPL Metals
6"-12" - Total Lead
12"-24" - Total Lead

20 9/29/04

WEDNESDAY



1730 FINISHED ACTIVITIES FOR THE DAY.

THURSDAY SEPTEMBER 30 2004

WEATHER: 68° CLEAR, SUNNY & 1MPH
EXPECTED TO BE IN THE LOW 80'S

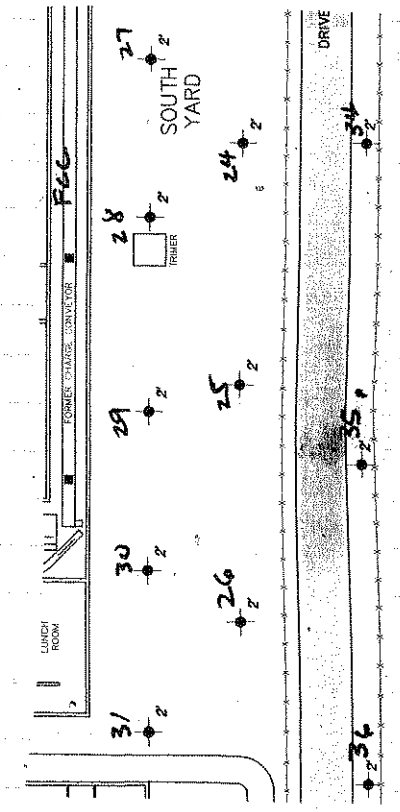
815 START ON SITE.
AGC ON SITE 7:30. AGC DEFINED ALL SAMPLE LOCATIONS IN THE SOUTH YARD. 0900 AGC BEGAN SAMPLING ACTIVITIES IN THE SOUTH YARD. SEE SITE FIGURES.
THE SOUTH YARD IS VERY OVERGROWN AND AGC IS HAVING TO HACK THEIR WAY TO THE SAMPLING LOCATIONS
1000 AGC CONTINUING TO SAMPLE THE SOUTH YARD. START WALKED ERIN & ALLENE AND GOT ALL OF THE HOME ADDRESSES THAT ARE DIRECTLY ADJACENT TO THE ESD SITE. START BEGAN AT METROPOLITAN PKWY (STEWART ME ON SOME OF FIGURES)
— OSC WAS BRIEFED BY START ON SITE ACTIVITIES. AGC INDICATED THEY WOULD COMPLETE THE SAMPLING EVENT BY OCTOBER 6TH 2004.

9/30/04 THURSDAY

1145 START COMPLETED INVENTORY OF ERIN AND ALLENE PROPERTIES.

1205 AGC / START OFF SITE FOR LUNCH.

1300 AGC / START BACK ON SITE. AGC SAMPLING SOUTH OF THE ACCESS ROAD.



9/30/04

SYS = SOUTH YARD (SOIL); SAMPLE SYS-17 – 36 WAS SAMPLED TODAY

- EACH SAMPLE WAS COLLECTED TO A DEPTH OF 2' bgs. ANALYSIS INCLUDED:
  - 0-6" – PPL Metals
  - 6"-12" – Total Lead
  - 12"-24" – Total Lead
- AGC ALSO COLLECTED ALL OF THE APPROPRIATE QC SAMPLES FOR SOUTH YARD.
- SEE SAMPLING PLAN FOR SPECIFIC SAMPLING PROTOCOL.

1630 AGC COMPLETED SAMPLING ACTIVITIES ON SITE.

- TOMORROW'S ACTIVITIES ON SITE WILL CONSIST OF START CONFIRMING SAMPLING LOCATIONS BY PIN FLAG LOCATION PARTICULARLY, EAST YARD #2.
- AGC WILL REPLACE HEIDI WITH ANOTHER PERSON. ANDY WILL REMAIN A BRIEF ~~THE~~ HEIDI'S REPLACEMENT ON THE WEEKS ACTIVITIES.

FRIDAY OCT 1 2004

0800 START CHECKING THE PINFLAGS IN THE SOUTH YARD #2, SOUTH YARD, EAST YARD & NORTH-YARD.

- AGC SHIPPING SAMPLES AND WILL NOT BE ON SITE, AGC FLIGHT LEAVE AROUND NOON.
- START COMPLETED CHECK ABOUT 0945 AND EXITED THE SITE THROUGH THE EAST YARD #2 AT ABOUT 1100.
- START UPDATE LOG PREPED NOTES FOR DIDI FUNG.
- START (JW) WILL NOT BE ON SITE MONDAY DUE TO AN ANNUAL PHYSICAL EXAM. DD FUNG WILL FILL IN FOR MONDAY OCT. 04 2004.

1330 START COMPLETED SITE RELATED ACTIVITIES.

∴ ACTIVITIES FOR NEXT WEEK INCLUDE FLOOR DUST SAMPLING IN THE "MAIN OPERATIONS PLANT", ADDITIONAL HAND AUGERING AT VARIOUS LOCATIONS ONSITE, AND GPS'ING" ALL OF THE SAMPLE LOCATION ON SITE. JWM

Monday 10/4/04

0500 START (DIDI FUNG) leaves Duluth, GA office to pick up site files from John Wright's house to review before the days activities begin.

1030 START receives call from Mike Shannon stating that AGC will not be onsite until 12 or 1pm to begin work for the day. START (DF) will leave site and wait at downtown ATL, GA office until site activities begin.

1230 START (DF) is on site, The gate is not open. AGC is not on site.

1309 Southern Company arrived on site to perform their own sampling. They are standing by as well.

1340 AGC (ANDY Bogdanski & Adam Doubleday) have arrived on site.

1413 AGC begins GPS collection of sample points collected last week.

1700 START (FUNG) LEAVES SITE.

Didi Fung

TUESDAY OCT 5, 2004

WEATHER: CLEAR COOL: MID 60's
NO RAIN IN THE FORECAST

8:20 START (JW) ONSITE.
AGC CREW SAMPLING NEAR THE EAST YARD #1. ALL SOIL SAMPLES TAKEN TODAY WILL BE CONDUCTED WITH A HAND AUGER.
AGC STARTED THEIR SAMPLING ACTIVITIES AT 7:45.
1000 START BRIEFED OSC ON SITE ACTIVITIES.
AGC CONTINUING TO SAMPLE
1115 GEORGIA POWER ON SITE TO COMPLETE SAMPLING OF THEIR POWER EQUIPMENT STORAGE AREA. THEY ARE HAVING THEIR SAMPLES ANALYZED FOR PCB AND LEAD. GEORGIA POWER WILL COORDINATE DATA SWAP WITH EXIDE.
1200 AGC & START OFFSITE FOR LUNCH.
1300 GEORGIA POWER COMPLETED THEIR SAMPLING. AGC / START ONSITE.

10/5/04

AGC CONTINUING TO SAMPLE.
AGC COMPLETING ALL OF THE
"SPECIAL HAND AUGER SAMPLING AND
"SPECIAL SUMP SAMPLING, FROM VARIOUS LOCATIONS ON THE SITE AND IN THE MAIN OPERATIONS FACILITY.
1500 AGC SAMPLING ~~THE~~ IN THE MAIN OPERATIONS PLANT
- MIXER
- FLOOR DRAIN [MACHINE SHOP (OTHER) ① / FORMER SEPARATOR STORAGE
- SUMP DRAIN (~~OTHER~~) SPECIA SUMP (OTHER) ②
- FORMER CHARGE CONVEYOR (OTHER) ③
- FRP TANKS

1600 - AGC DECONING EQUIPMENT.
- AGC COLLECTED ALL OF ~~QC~~ THE QC SAMPLES.
1700 AGC COMPLETE ACTIVITIES FOR TODAY.
- AGC WILL COMPLETE SAMPLING ACTIVITIES TOMORROW W/ AIR/DUST SAMPLING.

SAMPLE SUMMARY

Matrix	Method	Location	Interval	Analysis	Containers
SOIL	HAND AUGER	39	0-6" 6"-12" 12"-24"	PPL Metals Total Lead Total Lead	ZIPLOC BAG
SOIL	GEOPROBE 8'	4	0-6" 6"-12" 12"-24" 24-36" 36"-48" 48"-60" 60"-72" 72"-84" 84"-96" 1 interval	PPL Metals/SVOCs Total Lead Total Lead Total Lead Total Lead Total Lead Total Lead Total Lead Total Lead VOC	8oz JAR ZIPLOC BAG 3 EnCore Samplers
SOIL	GEOPROBE 4'	11	0-6" 6"-12" 12"-24" 24"-36" 36"-48" 1 interval	PPL Metals/SVOCs Total Lead Total Lead Total Lead Total Lead VOCs	8 oz JAR ZIPLOC BAGS 3 EnCore Samplers
SOIL	Special HAND AUGER	5	0-6" 6"-12" 12"-24"	PPL Metals/VOCs PPL Metals/VOCs PPL Metals/VOCs	8 oz JAR ZIPLOC/3 EnCore ZIPLOC/3 EnCore
SOIL	Special Sump	1	0-6" 6"-12" 12"-24"	PPL Metals/SVOCs PPL Metals/SVOCs VOCs PPL Metals	8oz JAR 8 oz JAR 3 EnCore Samplers ZipLoc Bag
DUST	PUF CARTRIDGE/ TUBE	#5		Total Lead	Matched Weight filter
SLUDGE	TANK	2		Total Lead	8 oz JAR
~~OTHER~~ SLUDGE	OTHER	3		Total Lead	8 oz JAR

TUESDAY

10/5/04

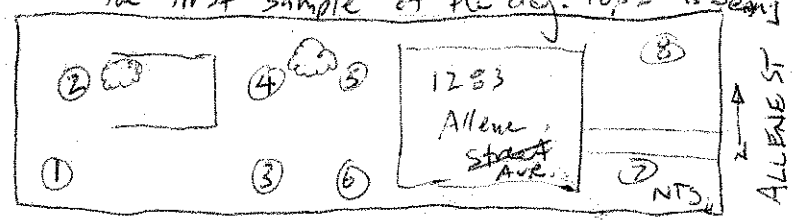
WEDNESDAY OCT 6 2004

WEATHER: PARTY CLOUDY, COOL - 65°
NO RAIN IN THE FORCAST

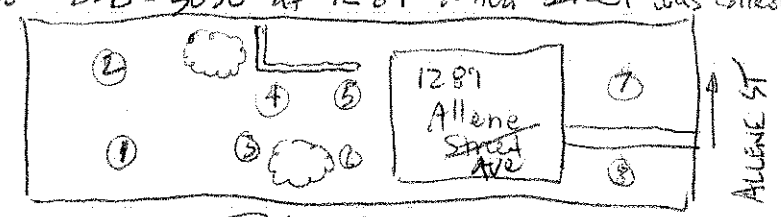
0815 START ONSITE.
AGC ON SITE PREPARING TO SAMPLE
0830 AGC RESAMPLED THE "SUMP DRAIN"
TO INCLUDE SVOCs.
0930 AGC PREPARING TO DUST SAMPLE.

MONDAY 10/18/04

0700 START left Duluth office to meet caretaker at ESB. EPA requested to put a padlock on the ESB front gate.
WEATHER: Low 70's
0900 GLENN WHITTEN arrived at the site to show DIDI FUNG w/ ITEMI around the site.
0930 GREG NOAH & Tim Simpson arrive on site. They are with EPA Athens SESD.
1000 ESB-5029 at 1283 Allene ~~Street~~ Ave. is the first sample of the day. TO, 2" is being



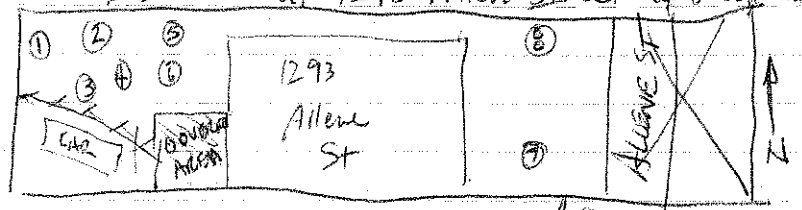
sampled. Each of the eight aliquots is shown above. The sample was homogenized. The following was collected: 1- 8oz jar
1- whirl pak
1028 ESB-5030 at 1289 Allen ~~Street~~ Ave. was collected.



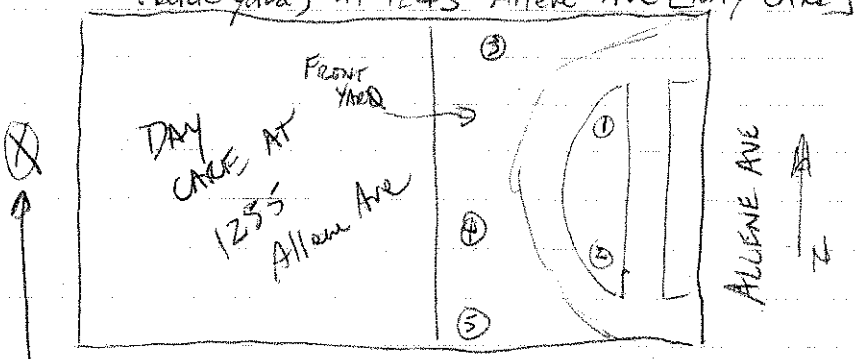
Didi Fung

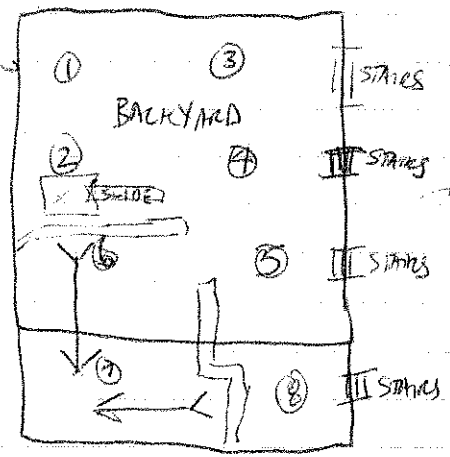
10/18/04 MONDAY

1050 ESB-5031 at 1293 Allen ~~Street~~ Ave was collected



1135 ESB-2059 at 1255 Allene ~~Street~~ Ave was collected.
ESB-2085a (front yard) and ESB-2085b (back yard) at 1243 Allen Ave [DAY CARE]



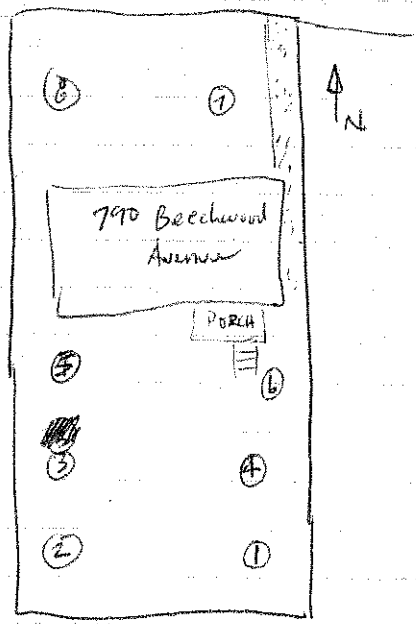


North adjoining property contains 2-55 gal drums, 1-dumpster, bldg N. debris, This property is up slope of the day care.

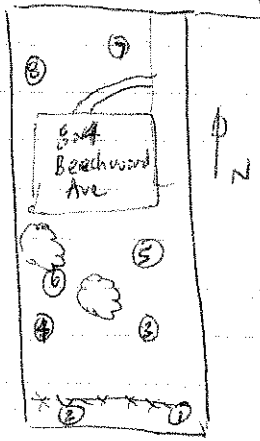
MONDAY 10/18/04

1200
1230] Break for lunch.

1255 ESB-5025 at 790 Beechwood Ave. collected



1325 ESB-5022 at 804 Beechwood Ave. collected



10/18/04 MONDAY

1400 GREG WHITTEN & TIM SIMPSON finish sampling for the day and head back to Athens, GA to restock. Tomorrow we will meet at ESB at 0900.

10/19/04 TUESDAY

0800 0900 START mobs to the ESB facility. EPA OSE is at the site at 0900. WEATHER: CLOUDY AND SCATTERED SHOWERS.

1000 EPA Athens held a H&S briefing with all three EPA sampling teams as well as ILS contractor (BRIAN HERNDON), EPA OSC CHRIS Russell and START (DIDI FANG). The EPA Athen team is listed below.

CHRIS RUSSELL - OSC / Project Manager
TIM SIMPSON - SESD / Field Project Leader
JOAN VAIL
PHYLLIS MEYER
MARIO VILLAMARZO
DAN THOMAS
GREG NOAH
FRED SLOAN
BRIAN HERNDON ILS / XRF analysis

SESD Sampler → HARTFORT
SESD Sampler → LEXINGTON ST
SESD Sampler → ERIN ST

DiFang

TUESDAY 10/19/04

SAMPLE NAME	EX SITU XRF READING
ESB-5022	BDL (69.8 ppm)
ESB-5024	318 ppm *
ESB-5025	116.9 ppm
ESB-2085A	642, 601 ppm
2085B	182, 170.8 ppm
ESB-5031	189.7 ppm
ESB-2059	925 ppm
ESB-5030 (1289 ALLENE)	276.5 ppm
ESB-3026A (651 ERIN)	69, 128 ppm
ESB-3024A (659 ERIN)	139.5 ppm
ESB-3024B (659 ERIN)	126.8 ppm
ESB-3023A (665 ERIN)	93.2 ppm
ESB-3004 (1280 ALLENE)	268.1 ppm
ESB-2022 (780 LEXINGTON)	130.5 ppm
ESB-2004 (770 LEXINGTON)	60.1 ppm
ESB-2006 (762 LEXINGTON)	85.8 ppm
ESB-2039 (862 HARTFORT)	88.5 ppm
ESB-2018 (857 HARTFORT)	121.8 ppm
ESB-2040 (858 HARTFORT)	102.0 ppm
ESB-6028A (676 ERIN)	100.9 ppm
ESB-6028A DUP (676 ERIN)	122.2 ppm
ESB-6028B (676 ERIN)	131.5 ppm
ESB-3021A (675 ERIN)	153.4 ppm
ESB-3022A (669 ERIN)	239.3 ppm
ESB-3021B	234 ppm (DP)

DiFang

10/19/04 TUESDAY

SAMPLE NAME	EX SITU XRF READING
ESB - 3022B (669 ERIN)	320.3 ppm *
ESB - 2011 (742 LEXINGTON)	79.9 ppm
ESB - 2011D (742 LEXINGTON)	111 ppm
ESB - 2009 (JAZ 750 LEXINGTON)	94.6 ppm
ESB - 2013 (734 LEXINGTON)	104.5 ppm
ESB - 2014 (730 LEXINGTON)	BDL 58.3 ppm
ESB - 2020 (706 LEXINGTON)	98.7 ppm
ESB - ~~2014~~ 2017 (DR) (851 HARTFORD)	182.9 ppm
ESB - 2051 (804 HARTFORD)	112.7 ppm
ESB - 2034 (801 HARTFORD)	252.2 ppm
ESB - 2034D (801 HARTFORD)	169.1 ppm
ESB - 2046 (830 HARTFORD)	209.6 ppm
ESB - 2042 (848 HARTFORD)	93.9 ppm
ESB - 3019A (685 ERIN)	169.8 ppm
ESB - 3019B (685 ERIN)	263 ppm
ESB - 3012A (717 ERIN)	137.1 ppm
ESB - 3012B (717 ERIN)	196.6 ppm
ESB - 3020A (679 ERIN)	136.6 ppm
ESB - 3020B (679 ERIN)	194.3 ppm
ESB - 3059 (661 LEXINGTON)	114.8 ppm
ESB - 3062 (675 LEXINGTON)	147.9 ppm
ESB - 3067 (699 LEXINGTON)	141 ppm
ESB - 4002 (698 LEXINGTON)	77.3 ppm
ESB - 4004 (690 LEXINGTON)	500.9, 211.8 ppm *
ESB - 4001 (702 LEXINGTON)	158.7 ppm (DR)

Dale Fong

TUESDAY 10/19/04

1706 All the teams have left the site for the day, except Tim Simpson, & Brian Hernandez. They will continue to screen samples.

1745 Tim Simpson, Brian Hernandez &, START Fung left the site.

WEDNESDAY 10/20/04

0930 START Fung leaves Duluth, GA office for ESB facility.

1030 START Fung arrives. WEATHER: OVERCAST, SCATTERED SHOWERS.

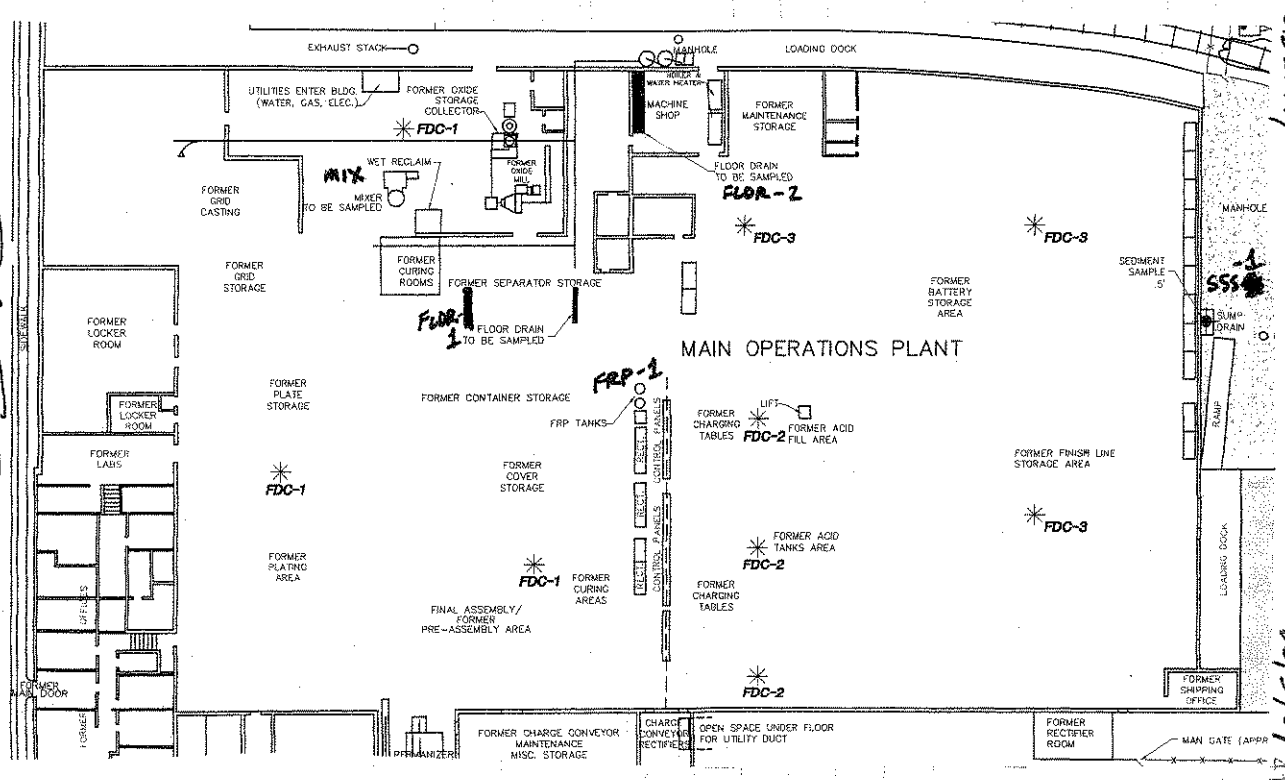
SAMPLE NAME	EX SITU XRF READING
ESB - 2033 (793 HARTFORD)	160.1 ppm
ESB - 2054 (790 HARTFORD)	353 ppm *
ESB - 2053 (794 HARTFORD)	240 ppm
ESB - 2052 (800 HARTFORD)	155.1 ppm
ESB - 0557 (786 HARTFORD)	868.5 ppm
ESB - 3058 (655 LEXINGTON)	161.3 ppm
ESB - 3057 (649 LEXINGTON)	189.5 ppm
ESB - 4010 (664 LEXINGTON)	106.1 ppm
ESB - 3007A (741 ERIN)	159.2 ppm
ESB - 3007B (741 ERIN)	425 ppm
ESB - 6004 (736 ERIN)	154.6 ppm
ESB - 6019 (718 ERIN)	165.2 ppm
ESB - 2064 (795 BEECHWOOD)	162.7 ppm
ESB - 2088 (835 BEECHWOOD)	73.6 ppm

Dale Fong

SAMPLE NAME	EX SITU XRF READING
ESB - 2069 (817 BEECHWOOD)	79.1 ppm
ESB - 5021 (812 BEECHWOOD)	107.2 ppm
ESB - 5023 (800 BEECHWOOD)	100.3 ppm
ESB - 5010 (849 ERIN)	64.9 ppm
ESB - 5011 (853 ERIN)	BDL
ESB - 5037 (805 ERIN)	76.5 ppm
ESB - 5087 (844 BEECHWOOD)	144.3 ppm
ESB - 5003 (858 BEECHWOOD)	214, 222 ppm
ESB - 2086 (861 BEECHWOOD)	122.7 ppm
ESB - 0001 (CAPITAL VIEW 1OF4 FROM LEFT TO RIGHT COURTYARD)	95 ppm
ESB - 0002 (CAPITAL VIEW 2OF4)	101 ppm
ESB - 0003 (" " 3OF4)	69.9 ppm
ESB - 0004 (" " 4OF4)	63.4 ppm

1114 OSC Russell & START Fong did recon on 690 Lexington. The backyard was signs of auto repair & fluid changing as well as many parked cars.

1128 OSC Russell & START Fong ~~spoke~~ with CAPITAL ~~Housing~~ VIEW ~~Development~~ APARTMENTS to gain access agreement for the court yards. Robert Leathers (owner) was contacted by phone. He gave the manager rights to sign for him on the access agreement. Robert LEATHERS (404) 993-6000 call. OSC will call with screening results.



Tuesday

10/5/94

7/7/05 THURSDAY

1100 Meeting w/ START, EPA, EPD, & EXIDE to discuss additional potential sampling and moving forward w/ the PRP work plan for the site.

Attendance:

Chris Russell	EPA
Didi Fung	TTEMI
Michael Shannon	EXIDE
MATT LOVE	EXIDE
THAD SLAUGHTER	ENTACT
DEAN PISANI	ENTACT
DAVID REULAND	EPD
TRAY	EPD

See attached agenda for the meeting.

Exide plans on ~~with~~ working with both EPA & EPD while at the same time accepting bids on sale for "best & final" use. It could be moving towards residential. West Bridge is the company that will be brought in handle the property sale.

The EPD expects if goal is residential use drinking water standards must be met and soil must meet 400ppm all the way down to the water table.

Off site contamination issues may need to be discussed with bankruptcy attorneys.

EPA stated that next and last ~~[illegible]~~ surrounding properties will occur next week. 5 weeks down the line EPA may be ready to begin removal if it is so decided.

EPD & Exide trying to make sense ~~between~~ of the difference in background for the contamination. This is due to ~~the~~ any additional source (outside) that may play a role in completing the delineation.

ALL PARTIES HAVE AGREED THAT 400ppm for LEAD will be the cleanup LEVEL FOR THE RESIDENTIAL PROPERTIES.

EPA has requested a work plan submitted that satisfies both EPD & EPA's goals.

August ~~2~~ 5, 2005 Exide will submit a work plan.

ENVIRONMENTAL PROTECTION AGENCY

Chris Russell
Federal On Scene Coordinator
Emergency Response & Removal Branch

Waste Management Division
61 Forsyth Street, SW
Atlanta, GA 30303

Telephone: (404) 562-8855
Fax: (404) 562-8699
E-mail: russell.chris@epa.gov

Matthew A. Love
Director
Environmental Affairs

Exide Technologies
3000 Montrose Avenue
Reading, PA 19605
610.921.4054 tel
610.921.4062 fax
610.220.0587 cell
matt.love@exide.com
www.exide.com

Michael D. Shannon
Project Scientist
Environmental, Health & Safety

Exide Technologies
3000 Montrose Avenue
Reading, PA 19605
610.921.4063 tel
610.921.4062 fax
267.735.9648 cell
michael.shannon@exide.com
www.exide.com

~~4040 West Royal Lane, Suite 136~~
~~Irving, Texas 75063~~
p.972.580.1323 x.1101
f.972.550.7464

ENTACT
environmental services

Dean Pisani
dpisani@entact.com *www.entact.com*

3129 Bass Pro Drive
Grapevine, Texas 76051
p.972.580.1323
f.972.550.7464
c.214.415.2975

ENTACT
environmental services

Thad Slaughter
tslaughter@entact.com *www.entact.com*

DEPARTMENT OF NATURAL RESOURCES
Environmental Protection Division
Hazardous Waste Management Branch

David Reuland
Unit Coordinator

Hazardous Sites Response Program
2 Martin Luther King, Jr. Dr., SE, Suite 1462 East
Atlanta, Georgia 30334

Phone: (404) 657-8600 Fax: (404) 657-0807

e-mail: david_reuland@dnr.state.ga.us

Tetra Tech EM Inc.

Yuen-Chang (Didi) Fung
Civil Engineer

Northmont Business Park
1955 Evergreen Blvd.
Building 200, Suite 300
Duluth, GA 30096
(678) 775-3095 (office)
(678) 773-5660 (cell)
(678) 775-3138 (fax)
e-mail: dd.fung@ttemi.com

2/13/06 Monday D. Rutledge

1030 MET OSC Jardine discuss ESB soil Removal project. Started work with REF 2/14/06. Wednesday & Thursday START sampling with one other person to TCLP soils. SOMEONE maybe needed for Friday to assist START Rutledge in the field.

1100 Left EPA office with OSC Jardine to recon area surrounding site.

1121 Office of Residential with OSC Jardine ride through neighborhood to determine which homes would need to have soil removed.

669	ERIN AVE	ACCESS	400 ppm lead
703	ERIN AVE	ACCESS ?	1100 ppm
727	ERIN AVE	ACCESS	530 ppm
741	ERIN AVE	ACCESS	460 ppm
790	ERIN AVE	ACCESS	NO SAMPLE
1243	ALLENE AVE	ACCESS	830 ppm
1255	" "	ACCESS	1200 ppm
690	LEXINGTON AVE	ACCESS	440 ppm
1259	ALLENE AVE	ACCESS	590 ppm
1263	" "	ACCESS	540 ppm
1274	" "	ACCESS NO agreement	500 ppm
1283	" "	ACCESS	440 ppm
786	Hartford place	ACCESS	1200 ppm
790	" "	ACCESS	470 ppm

2/13/06

1156 Met with CMC contractor to look at properties. Sample daycare 1243 & home next to daycare 1255. May sample 1263 for TCLP possible more homes just performing a ride through.

1259 need to call owner about dog.

1327 Broked for lunch. Federal building Cafe.

1400 Returned from lunch reviewed Residential information in conference room with OSC Jardine.

1520 Finished reviewing file will start sampling Wednesday 2/15/06.

2/15/00 Walkabout D. Tuttle

1030 MET with OSC Jardine. He noted that the home on Lehigh Ave is not closed to ESE based on research conducted by SESD.

1045 Visit Tuttle & OSC Jardine Recon neighborhood, looking at homes. Talking to residents if possible just explaining the situation.

1102 Ms. Zeneta Baker at 1243 Avery St. stated that ~~when~~ EPA & START could use XRF & collect samples on property. She stated that she was told the area around the trash bin was contaminated from a on the weatherest house.

1108 EPA had a conversation with Mr. Mark Marshall at 1259 Avery Ave. Mr. Marshall stated that it was okay to collect XRF Readings.

1120 Calibrating XRF.

1125 Collected XRF Readings & collect 5 point composite soil for TAL

1200 Broke for lunch.

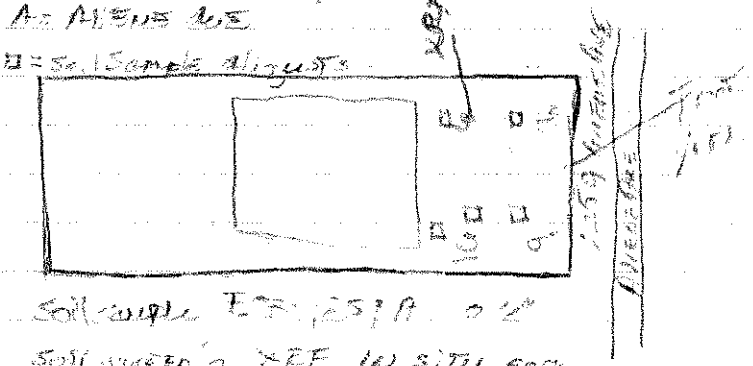
1300 Rendezvous for lunch MET with Stephanie Brown from EPA to pass out EPA contact information & take some Pictures.

JT

2/15/00 WE Meeting D. Tuttle

At Avery Ave

□ = Soil Sample Aliquots



Soil sample ESP 1259 A 0-2"

Soil screening XRF In situ form

Reading 6	192.7	± 38.7
Reading 7	525.5	± 100.4
Reading 8	256.0	± 45.0
Reading 10	259.0	± 44.0

Small area between front of 1259 & 1243

Reading 11	272.0	± 46.5
Reading 12	573.4	± 93.2
Reading 13	433.5	± 82.3

JT

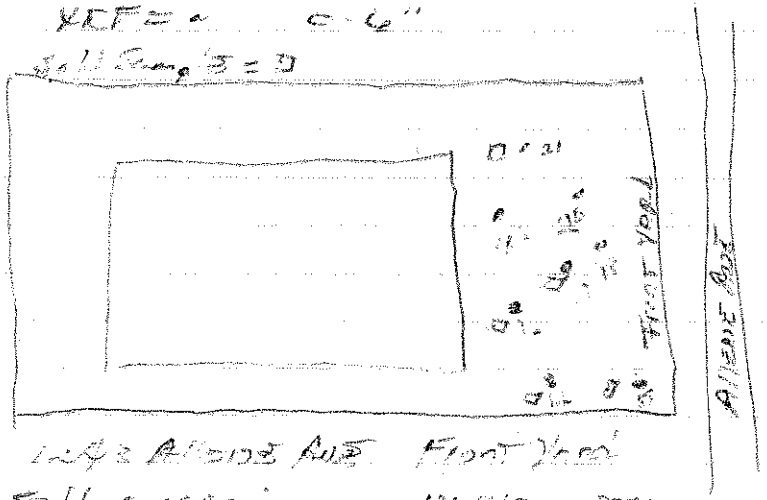
2/25/06 Wednesday D. Bentley

1428 collect XRF Readings & Soil Samples at K

1243 Allente Ave

XRF = 0 0-6"

Soil Temp 3 = D



Info: Allente Ave	Front Yard
Soil screening	in situ XRF
Reading 14	
Reading 15	496.9 ± 68.5
Reading 16	361.4 ± 59.4
Reading 17	[illegible] ± 79.8
Reading 18	595.5 ± 58.7
Reading 19	299.3 ± 60.7
Reading 20	254.3 ± 57.2
Reading 21	459.5 ± 62.0

1445 ~~SD~~ Five point composite sample ~~is~~ collected for TCLP analysis

1500 Tomorrow Jessecote Health & Safety, calibrate XRF meet with OSC Darling at EST 1200

DB

1503 GENERATE 1255 Time Tracking, Friday or Monday Supervisor to have for OSC Darling on Tuesday

1632 Calibrate XRF Found under for the day

Low Reading 23	47 ± 20.7	calibration
Mid Reading 24	142 ± 25.5	" "
High Reading 25	429.5 ± 52.7	" "

[illegible] Thursday Dunwoody Pathfinder
copy was OK [illegible] at [illegible] Made
a Quality Decision Therefore
TTEW (to include a [illegible]
plan Explaining the sampling plan
and purpose of the project. This
sampling to determine if the soil
removed will be hazardous or
non hazardous and what type of
landfill it can be sent to. XRF
screening to determine the area
where digging can start & stop.
Also the XRF will be used to determine
at what depth the digging can
stop.

Sample Date	in ppm
cal low Reading 22	44.7 ± 27.2
cal med Reading 28	96.6 ± 29.5
cal high Reading 29	351.5 ± 31.8

1030 Will talk to some residents to what
their [illegible] will start the removal
process slowly. Talk to the residents to
find out if we still have permission
to remove soil & to find if the previous

[illegible] Thursday Dunwoody Pathfinder
1251 [illegible] STILL WAITE.
1400 Conversation with Mr. Hayes at 788
Hartford Place. (404. 753. 7497)
1400 XRF Screening of the [illegible] areas
where the grid was not separated
by sample at stake determine boundary
of excavation area and TCLP collection
using XRF based on pics & numbers. Example
300 ± 50 ppm no sample
300 ± 90 ppm sample.
1400 Mr. Sherman gave permission to a
Mr. Mark Marcell next door 1259
Alene Ave to enter property.
Mr Willie Sherman 1255 Allene Ave
404.752.4110 Mr Sherman requires
keeping distance. Mr Robert Kell
678.270.4977 from another point of
contact.
1445 727 Erin Ave came back by
Lisa lives there. She stated that it
was okay to enter backyard. Lisa does
not own home she is renting.
1525 Reg Wiede live home owner is okay
to enter property. 404.294.0992 Cell
Verm.

2/16/06
Day Friday Site Work.

2/24/06 Friday Donovan Rutledge
1000 START member D Rutledge & A. Wright arrived on site to begin XRF Screening & soil collection of residential yards.
1030 WENT House 786 Hartford place. There was no one home.
1114 Ms. Harrington gave us permission to screen & collect samples if needed. She seem very apprehensive when we tried to communicate with her.
1124 Self Calibrating XRF.
Reading 30
Dev. Sec. 4.5
DETECTOR Cal
Res. 29.5
Excel: 4.708
1136 Standards Calibration

Sample	Dev. Sec. 50	NIST 2711
Cal. low Reading	21	40.2±21.0
Cal. Med. Reading	32	125.5±21.6
Cal. high Reading	33	~~249~~ 396.2±34.3

1500 Keisha at 780 Hartford seemed ~~[illegible]~~ apprehensive. Will come back later to collect samples. Made homeowner known we would be back next week.

2/27/06 Tracy D. Raffaelle

cont. Keith data not want us to go beyond fence in his back yard!

0-2 m bls

	Sample Readings	in situ ppm
	35	239.7 ± 54.9
	36	287.4 ± 53.4
	37	314.8 ± 49.3
	38	205.1 ± 67.2
	41	179.4 ± 53.9
sample	42	377.6 ± 71.0
sample	43	705.4 ± 88.4
	44	261.1 ± 71.9
	45	288.8 ± 64.2
Sample	46	381.9 ± 71.6
sample	47	574.7 ± 76.5
sample	48	337.1 ± 72.0
Sample	49	566.4 ± 86.7
sample	50	467.8 ± 75.2
Sample	51	389.4 ± 66.0
	52	202.9 ± 71.9
	53	225.6 ± 68.5
	54	317.4 ± 67.6
	63	115.9 ± 67.5
	64	81.2 ± 48.0
	65	81.0 ± 45.4

AW

	Sample Readings cont'd	in situ ppm cont'd
	66	82.8 ± 52.9
	67	246.3 ± 64.5
	70	146.3 ± 71.5
Sample	71	421.5 ± 85.5
sample	72	545.7 ± 80.9

Post Cal	Reading	
low	73	52.8 ± 20.8
med	74	152.4 ± 24.8
Hi	75	437.0 ± 32.2

1:59 START 4:15 STOP to return & put to office.

DR

03/02/04 Damascus Township

1000 START arrived. Cloudy and misty outside. START talked to Keisha at 790 Hartford Place. Conversation was START was going to collect one VOC, sample and XRF confirmation screening.

1245 START Breaked for lunch.

1330 Returned from lunch.

1345 ~~Cal~~ Calibrating detector. Self calibration. Ms Keisha Harrington stated that the property behind the wooden fence is not her property. She does not know whose property it is.

Self Calibration Reading ~~#~~ 76.

1403 XRF Calibration using standards

Sample Reading	In Situ ppm
cal low 77	40.3 ± 16.5
cal med 78	126.9 ± 23.5
cal high 79	408.0 ± 32.0

1413 START XRF screening.

1510 XRF Results

~~Sample Reading~~ House 780 Hartford Place

Sample Reading	In Situ ppm
80	624.2 ± 65.0
81	534.3 ± 155.2
82	115.1 ± 42.3

03/03/04 Damascus Township

0900

Sample Reading	In Situ ppm
83	577.6 ± 68.1
84	315.6 ± 40.1
85	559.0 ± 62.0
86	85.3 ± 60.2
87	512.9 ± 67.5
88	425 ± 60.2
89	960.5 ± 51.5
90	502.0 ± 59.7
START 91	281.2 ± 79.8
FRONT 92	237.9 ± 66.1
post cal.	
low 93	36.6 ± 21.1
med 94	115.0 ± 22.4
high 95	456.0 ± 30.3

1600 collected VOC sample & Lacure Blank with delivery to lab.

1634 START is leaving site.

3/26/96 D. Pettigrew Monday (92)

1250 START arrived at site. ~~Left to forman~~ started work. Homeowner was not at home.

1345 START finished for lunch.

1415 START started from lunch and START under White. START will continue work. Homeowner still not at home had permission to work on area at a prior time.

1400 & XIT Soil Calibration performed. XIT pre cal with Standards.

sample reading #	in situ ppm
low 97	34.9 ± 20.6
med 98	118.9 ± 19.9
high 99	462.4 ± 33.2

Soil screen Frontyard

XIT reading #	in situ ppm
100	503.0 ± 48.0
101	506.3 ± 80.4
102	461.6 ± 23.8
103	245.4 ± 69.7
104	383.8 ± 60.6
107	198.6 ± 79.8
108	822.0 ± 97.4
109	787.7 ± 90.9

3/26/96 cont.

XIT reading

110	428.8 ± 82.5
111	582.5 ± 73.8
112 okay	259.0 ± 55.1
113	324.0 ± 74.8
114	263.7 ± 74.1
115	428.9 ± 58.4

post cal

reading	in situ ppm
low 116	57.0 ± 18.8
med 117	186.0 ± 22.8
high	574.7 ± 3.4

1415 START left site.

Monday

3/07/06 ~~Monday~~ Tuesday

1100 arrived at site, prepared yard

1315 XRF self calibration

Cal. against standards

Reading — in situ ppm

low 120 — 41.8 ± 19.8

mid 121 — 158.8 ± 22.5

high 122 — 420.7 ± 83.8

Back yard XRF Readings

reading	in situ ppm
123	397.5 ± 112.6
124	390.9 ± 83.6
125	Void
126	128.4 ± 76.8
127	205.4 ± 66.4
128	200.7 ± 78.6
129	135.1 ± 72.6
130	627.9 ± 416.2
131	519.2 ± 66.2
132	824.3 ± 87.8
133	612.7 ± 67.9
134	748.9 ± 97.1
135	499.3 ± 63.8
136	498.4 ± 86.2
137	610.0 ± 69.7
138	708.8 ± 209.6

AW

3/07/06 cont. Tuesday

reading	in situ ppm
139	1419 ± 131
140	1276 ± 130
141	777.3 ± 111.7
142	792.9 ± 119.4
143	874.9 ± 98.9
144	594.3 ± 94.2
145	1115 ± 101
146	279.3 ± 97.5
147	906.7 ± 115.5
148	2492 ± 76.0
149	2432 ± 134
150	766.4 ± 82.6
151	627.5 ± 84.3
152	548.1 ± 97
153	768.8 ± 95.1
154	484.6 ± 89.5
155	475.6 ± 80.2
156	531.8 ± 81.0
157	592.1 ± 286.1
158	825.7 ± 100.4
160	942.7 ± 138.4
159	413.6 ± 73.2
161	920.9 ± 94.8

AW

3/07/06 Tuesday
Cont'd

Reading	In situ ppm
162	713.9 ± 76.7
163	871.9 ± 83.6
164	549.9 ± 70.7
165	724.6 ± 82.2
166	586.4 ± 133.5
167	759.4 ± 88.4
168	518.6 ± 86.4
169	908.4 ± 98.5
170	575.8 ± 69.4
171	550.3 ± 73.7
172	589.6 ± 79.2
173	530.9 ± 70.6
174	413.7 ± 95.4
175	687.9 ± 91
176	356.9 ± 88.6
177	571.4 ± 91.4
178	680.9 ± 110.5
179	334 ± 105

Post Cal.

reading	In situ ppm
low 180	49.1 ± 19.3
med 181	113.8 ± 27.4
high 182	438.2 ± 36.4

3/07/06 Tuesday

1500 START Left site.

3/09/06 Thursday

0950 START arrived at site.

1030 XRF self Cal. & Cal using Standards

Reading	in Site ppm
low 184	28.5 ± 16.0
med 185	114.7 ± 17.3
high 186	489.5 ± 30.6

1120 START Left site to get more Supplies.

1205 Returned to site.

1406 XRF Readings 7864 Hartford Plaza

Reading	in Site ppm
187	761.6 ± 255.9
188	375.9 ± 64.4
189	599.6 ± 91.4
190	350.6 ± 91.3
191	627.4 ± 96.7
192	593.1 ± 104.9

1411 XRF Screening 1255 Athens Ave. XRF self Cal

Replaced battery.

XRF Standards Cal.

Reading	in Site ppm
low 194	47.0 ± 20.3
med 195	119.6 ± 22.1
high 196	397.8 ± 29.1

08/09/06 1255 Allene Ave Thursday

1439 XRF Screening

Reading	Insitu ppm
✗ 197	490.0 ± 166.7
✗ 198	630.1 ± 113.6
✗ 199	720.2 ± 25.3
✗ 200	757.3 ± 136.6
✗ 201	487.4 ± 104.0
✗ 202	613.9 ± 354.4
✗ 203	555.3 ± 68.0
✗ 204	1142 ± 120
✗ 205	552.1 ± 93.9
✗ 206	609.1 ± 98.5
✗ 207	359.9 ± 82.1
208	Error
209	295.9 ± 81.3
✗ 210	275.2 ± 102.2
211	507.4 ± 100.8
212	372.8 ± 73
213	338.9 ± 94.6
214	428 ± 97.3
215	482.2 ± 87.6
216	650.5 ± 89.0
217	559.1 ± 101.8
218	535.2 ± 88.6
219	724.7 ± 101.8

AW

Reading	Insitu ppm
✗ 220	364.1 ± 75.2
✗ 221	398.4 ± 96.4
222	291.1 ± 87.5
✗ 223	389.0 ± 65.5 next to 222
224	279.3 ± 76.0
225	Void
226	164.4 ± 70.7
227	108.9 ± 70.7
228	128.5 ± 75.5
✗ 229	377.6 ± 64.3
✗ 230	601.6 ± 93.9
✗ 231	508.6 ± 77.0
✗ 232	558.7 ± 84.0
✗ 233	660.8 ± 87.0
✗ 234	484.8 ± 121.0
✗ 235	682.6 ± 107.4
✗ 236	1145 ± 115
✗ 237	979.1 ± 142.7
✗ 238	907.8 ± 136.2
✗ 239	1006 ± 108
240	268 ± 103.5
241	Void
242	77.6 ± 40.6
243	109.1 ± 68.0

AW

Reading	Insitu ppm
244	98.6 ± 51.3
245	285.5 ± 85.9
246	74.2 ± 73.0
247	148.1 ± 78.5
248	156.6 ± 96.9
249	279.0 ± 81.8
250	313.1 ± 54.8
X252	422.9 ± 101.5
X251	283.0 ± 64.3
X254	514.6 ± 106.4
X255	854.8 ± 130.1
X256	773.2 ± 159.8
X257	476.5 ± 105.7
258	268.9 ± 88.8
X259	515.7 ± 89.2
260	236.6 ± 88.4
X261	450.4 ± 108.6
262	227.4 ± 114.2
263	645.9 ± 178.4
264	452.5 ± 122.2
265	273.3 ± 91.9
266	405.7 ± 108.3
267	383.4 ± 108.6
268	343 ± 103.2

AW

Reading	Insitu ppm
269	150.6 ± 14.2

NOTE Post & Pre Cal was performed morning of 3/19/01

1833

XRF Standards Cal

	Reading #		Insitu ppm
272	Low 271	62.2 ± 30.1	274 ~~[illegible]~~
275	Med 272	98.5 ± 20.7	109.9 ± 26.6
276	Hi 273	40.2 ± 27.1	395.1 ± 34.3

Rutledge + White left site at 16:37.

AW

7/29/98 Friday

0830 START arrival at site. START encountering issues with the battery (CP) for the XRF one of the batteries was not fully charged. Will charge at hotel tonight. Second battery is fully charged. Homeowner was sleep. Contacted the gate around 10:00 by Sam Kolins next door. Southside of home is inaccessible.

1044 XRF Pre Cal with Standards.

reading #	in situ ppm
low 272	62.2 ± 30.0
med 273	92.5 ± 26.7
high 274	414.2 ± 27.4

XRF Soil Screening 1255 Allen Ave

reading #	in situ ppm
275	1228 ± 129
276	1185 ± 109
277	1585 ± 143
278	1368 ± 108
279	1821 ± 102
280	1349 ± 103
281	void
282	258.0 ± 66.7
283	3424 ± 80.4
284	936.5 ± 90.2

AW

Cont'd

Reading	Insitu ppm
285	2740 ± 137.7
286	198.0 ± 29.6
287	171.8 ± 61.5
288	163.2 ± 89.6
289	2208 ± 78.7
290	213.7 ± 104.0
291	235.3 ± 86.8
292	void
293	151.5 ± 88.3
294	4057 ± 126
295	2775 ± 154
296	9902 ± 108.3
297	1334 ± 134
298	3059 ± 162
299	1185 ± 106
300	1571 ± 163
301	3271 ± 185
302	1004 ± 101
303	961.8 ± 110.2
304	1271 ± 147
305	1209 ± 144
306	1475 ± 111
307	937.6 ± 116.4
308	1027 ± 119

AW

Cont'd

Reading	Insitu ppm
309	1733 ± 129
310	1256 ± 199
311	852.3 ± 120.7
312	3290 ± 205
313	2307 ± 110
314	202.3 ± 59.3
315	178.6 ± 63.9
316	380.3 ± 81.7
317	1421 ± 156
318	3167 ± 205
319	4446 ± 218
320	1237 ± 162
321	882.3 ± 136.7

1333 RF Pb Standard Cal

Reading	Insitu ppm
Low 322	78.6 ± 19.2
Med 323	150.8 ± 24.8
high 324	469.4 ± 32.3

4/17/2006

1200 START White & Berry arrives at 1243 Allene Ave to discuss ESB. EPA Jardine meets START.

1225 START & EPA break for lunch.

1310 START & EPA arrives at 1243 Allene Ave.

1320 EPA Jardine calibrates XRF.

Reading		
	LO	
339	Med	982.6 ± 106.4
338	Hi	5461 ± 245
340	Blank	0

1329 START arrives at 727 E Rin Ave.

Reading #	Insitu
341	202.2 ± 58.9
342	346.8 ± 67
343	189.4 ± 44.9
344	268.4 ± 62.5
345	Void
346	Void
347	Void
348	353.3 ± 64.7
349	Void
350	Void
351	Void

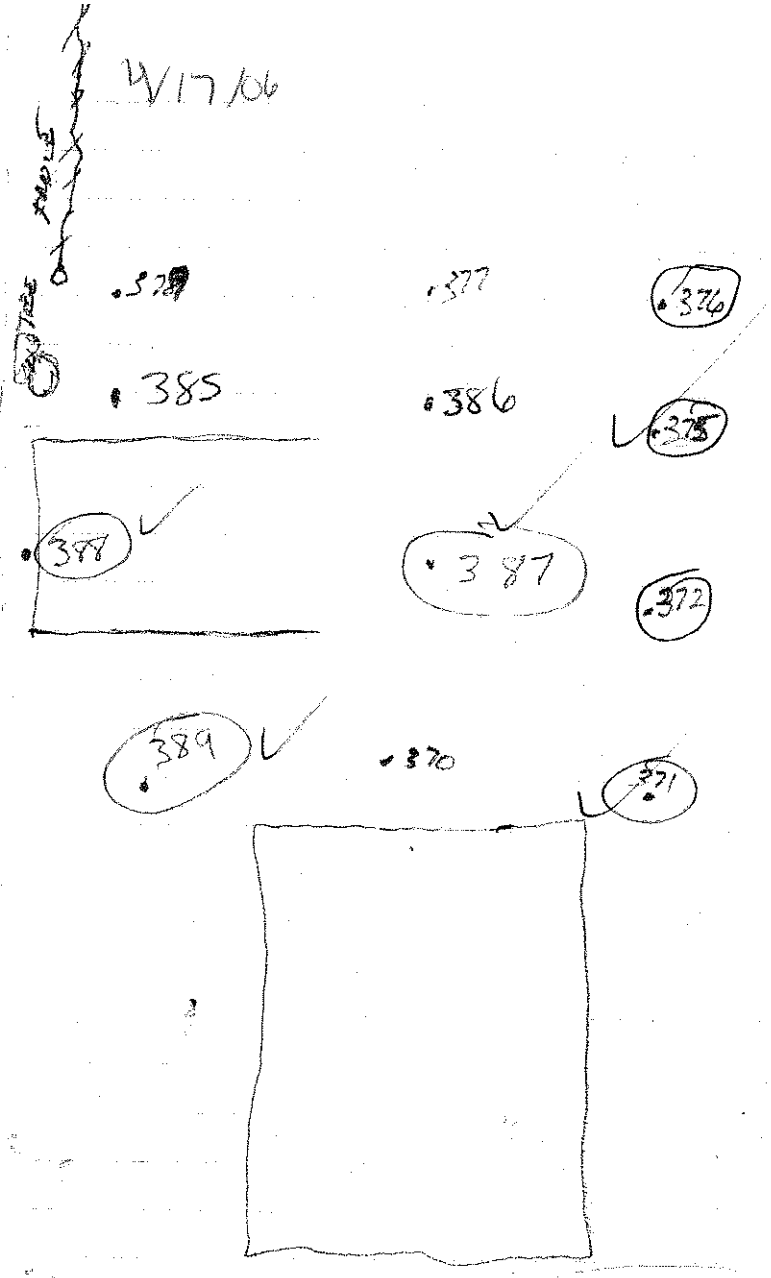
4/17/2006

Reading #	Insity
352	256.1 ± 56.3
353	275.1 ± 60.8
354	329.3 ± 58.7
355	Void
356	399.2 ± 62.6
359	261.0 ± 55.1
360	426.4 ± 81.9
361	371.5 ± 69.2
362	Void
363	393.8 ± 70.4
364	512.8 ± 73.2
365	376.3 ± 66.8
366	Void
367	295.3 ± 63.5
368	348.6 ± 68.8

Do Not use Data
Mid Cal. Standard

START arrives at 741 Erin St.

369	Void
370	266.5 ± 79.9
371	509.8 ± 90.8
372	1066 ± 163
375	408 ± 80
376	300.6 ± 69.5
377	194.8 ± 61.3
378	Void
323 324	void



04/17/06 monday

House 741

379	175.0 ± 73.9
380	void
381	void
382	void
383	void
384	Void
385	239.7 ± 70
386	243.0 ± 77.0
387	442.9 ± 95.8
388	741.4 ± 116.3
389	612.3 ± 111.6

1454 START + EPA Sandino arrives at 1263 to speak w/resident. Resident stressed concern for plants. EPA explained the screening process to the resident Robin.

1509

Reading #	Inside
390	Void
391	319.5 ± 70.9
392	83.8 ± 52.5
393	Void
394	126.9 ± 58.2
395	306.5 ± 69.8

Reading #	Inside
396	428.7 ± 85.4
397	276.0 ± 86.1
398	254.2 ± 104.5
399	325.3 ± 91.9
400	542.8 ± 105.3
401	384.2 ± 81.6
402	417.0 ± 103.6
403	193.8 ± 93.2
404	Void
405	158.8 ± 87.9
406	330.9 ± 99.0
407	213.5 ± 86.7
408	Void
409	115.1 ± 44.2
410	293.1 ± 85.2
411	185.5 ± 69.4
412	294.0 ± 92.4
413	210.2 ± 70.1
414	120.5 ± 80.1
415	359.7 ± 67.6
416	471.9 ± 78.7

1642 START conclude for today. Weather is sunny, hot, clear.

AW

4/18/2006

1000 START arrives at 1276 Allene Ave to do additional Screening. ~~Test~~ one

1030 START White calibrates XRF.

Cal Standards	Reading #	~~Reading~~	Insitu
Blank	418		5598 ± 250
Low	4		1084 ± 109
Med			
Hi			

Cal Standards	Reading #	Insitu
Blank		0
Lo		0
Med	419	1084 ± 109
Hi	418	5598 ± 250
	420 error	
	421 errors	
	422 error	

10155 Screening at 1276 Allene Ave

Reading #	Insitu
423	256.8 ± 57.7
424	404.1 ± 64.7
425	305.0 ± 74.6
426	514.2 ± 84.3
427	272.2 ± 64.3

4/18/2006

Reading #	Insitu
428	181.6 ± 58.8
429 (void)	
430	207.0 ± 73.8
431 (void - not enough time)	
432	275.7 ± 66.7
433 (void)	
434	288.5 ± 57.3
435	~~425~~ 196.7 ± 66.2
436	349.6 ± 68.8
437	* 376.1 ± 67.9
438	186.9 ± 56.9
~~439~~	~~Jno 461.1 ± 74.4~~
439	416.1 ± 71.4
440	236.1 ± 67.9
441	225.7 ± 55.5
442	510.2 ± 68.6
443	396.1 ± 92.2
444 (void)	
445	535.1 ± 75.6
446 447 (void)	366.8 ± 76.5
448	851.3 ± 89.6
449	478.6 ± 78.3
450	484.0 ± 83.2
451	2207 ± 131

4/18/06

Reading	In situ
452	562.6 ± 77.2
453 (void - not enough t. sr)	
454 (void)	
455	645.2 ± 83.4
456	290.6 ± 70.3
457 (Starts 1283 Allene Ave)	Void
458	Void
459	76.4 ± 50.2
*460	343.9 ± 63.7
461	153.0 ± 59.9
462	211.0 ± 65.7
*463	1004 ± 99
*464	337.4 ± 80.6
*465	404.3 ± 77.7
466	Void
467	Void
468	863.8 ± 99.2
469	Void ~~267.8 ± 111.6~~
470	Void
471	Void
472	191.4 ± 67.5
*473	483.8 ± 80.1
*474	378.4 ± 75.1
*475	635.6 ± 86.7
*476	290.5 ± 62.3

AW

4/18/2006

Reading	In situ
477	Void
478	Void
*479	295.6 ± 64.6
*480	263.4 ± 63.3
481	187.8 ± 64.8
482	240.7 ± 68.0
*483	346.2 ± 64.1
*484	452.4 ± 69.6
485 (void)	
*486	360.3 ± 74.8
487	44.5 ± 59.6
*488	482.5 ± 77.4
489 (void)	
490 (void)	
491	197.0 ± 59.7
*492	357.5 ± 71.5
*493	429.9 ± 73.2

1420 START White & Doolittle arrives at 703 E Rin Ave to conduct Pb screening on property

4/18/2006

Reading	Insitu
494	Void
495	365.0±27
496	Void
497	538.3±26.5
498	423.3±80.8
499	1057±84
500	938.3±94.8
501	1070±88
502	322.9±65
503	1075±100
504	197.3±65.2
505	1074±88
506	265.0±60.9
507	280.7±66.7
508	822.8±103.4
509	870.3±94.0
510	576.7±69.7
511	348.6±89.7
512	294.6±67.1
513	3239.5±66.4
514	Void
515	Void
516	140.5±56.4
517	230.7±60.8

	& Void
18	
19	465.1±71.6
20	
21	430.0±70.9

4/19/2006

1205 START and EPA Jardine arrives at 1263 Allene. More XRF readings are taken

Reading #	Insitu
525	86.3 ± 52.8
526	447.2 ± 96.1
527	void
528	436.9 ± 96.1
529	void
530	void
531	void
532	void
533	void
534	1139 ± 75.4

1221 START White & Doolittle begin to collect soil for soil sample 1263 Allene. Soil sample ESB-1263 Allene.

1230 START White homogenizes soil for sample ESB-1263 Allene.

1233 START White & Doolittle arrives at 1276 Allene Ave. to collect soil for soil sample ESB-1276 Allene.

1241 START White ~~collects~~

AN

4/19/2006

homogenizes soil for sample ESB-1276 Allene Ave. Soil description is dark brown silty sand.

1319 START arrives at 1283 to collect soil sample ESB-1283 Allene.

1328 START Doolittle collects soil for sample ESB-1283 Allene.

1339 START Doolittle homogenizes soil for sample ESB-1283 Allene. Soil description is Reddish brown silty sand.

1350 START arrives at 727 Erin Ave to collect soil for soil sample ESB-727 Erin.

1355 START Doolittle collects soil for sample ESB-727 Erin.

1406 START Doolittle homogenizes soil for soil sample ESB-727 Erin. Soil description is dark brown silty sand.

1420 START arrives at 741 Erin Ave. to collect soil sample ESB-741 Erin

1430 START White collects soil for sample ESB-741 Erin.

AN

4/19/2006

1446 START White homogenizes soil for sample ESB-741 Erin Ave. Soil description is reddish silty sand.

1546 START arrives at 703 Erin to collect soil sample ESB-703Erin.

1553 START White collects soil for sample ESB-703Erin.
START White homogenizes soil for sample ESB-703Erin.

1557 START White & Doolittle depart for the day.

5/15/2006

10:45 START White & Rutledge arrives at 825 Warner St, Ezell Trucking to collect 4 soil samples from stockpile. Soil will be used to backfill yards for ESB site.

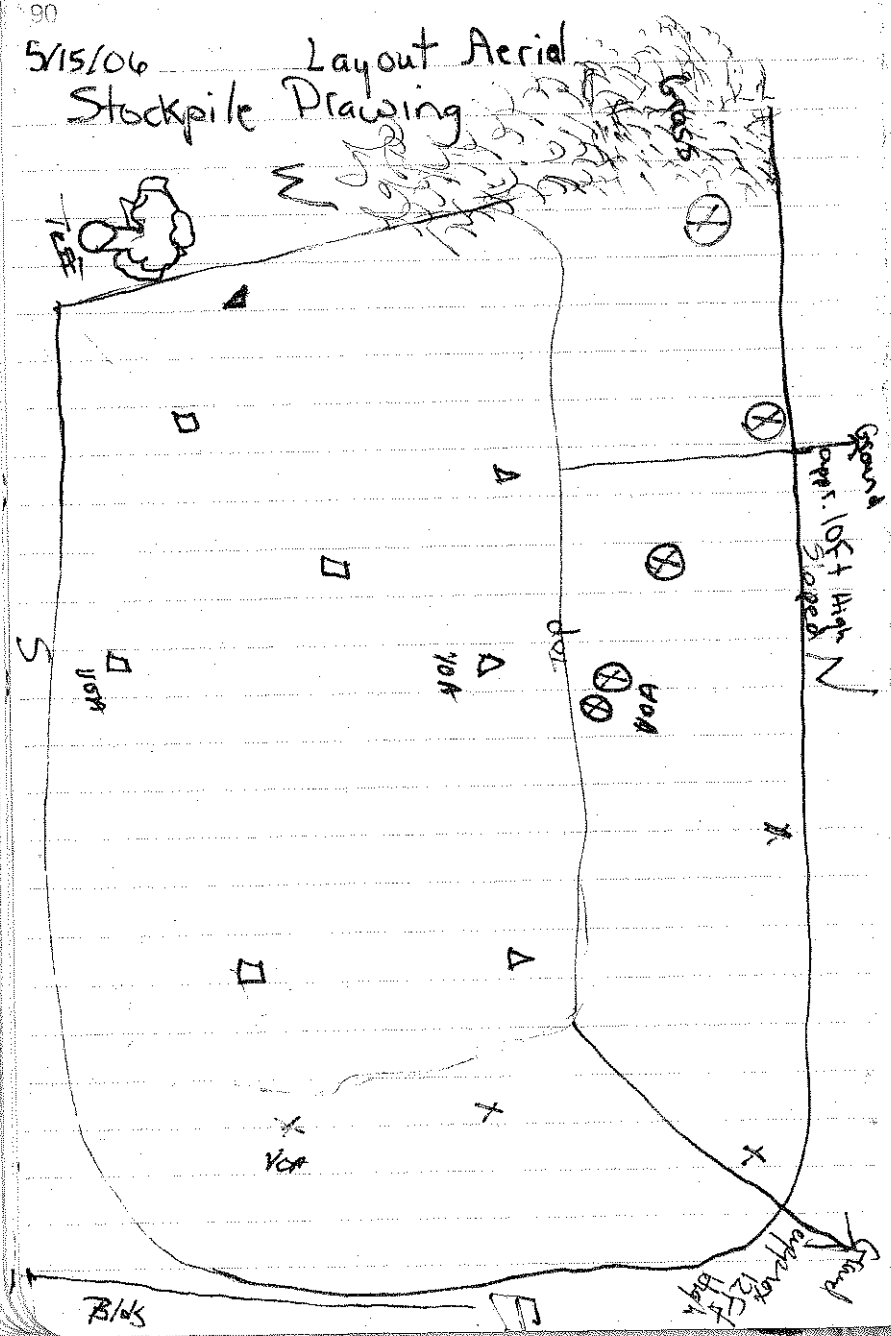
Sample #
ESB-BFStockpile-1
ESB-BFStockpile-2
ESB-BFStockpile-3
ESB-BFStockpile-4.

11:19 START Rutledge collects soil for soil sample ESB-BFStockpile-1.

11:29 START Rutledge ~~collects~~ homogenizes soil for sample ESB-BFStockpile-1. Soil description is reddish brown silty sand. Samples collected on east side of pile. VOA's were grabs. Semi-VOA & metals were 4-point composites

5/15/06 Layout Aerial

Stockpile Drawing



Legend for Stockpile Drawing.

X - ESB Stockpile - 1

⊗ - ESB Stockpile - 2

Δ - ESB Stockpile - 3

□ - ESB Stockpile - 4

BF = BACKFILL

SP = Stockpile

1140 START Rustledge collects soil for sample ESB Stockpile - 2. Samples collected on North side of pile.

1215 START White collected soil sample ESB-BFSP-3 from the top of Stockpile.

1255 START White collected soil sample ESB-BFSP-4 from Southwest of stockpile.

CONTENTS

PAGE	REFERENCE	DATE
2	786 Hartford Pl. Removal	6/6/06
32	790 Hartford Pl. Removal	6/13/06
53	1243 Allene Ave Screening	6/16/06
54	707 Erin Ave. Screening	6/16/06
3,4,5	Photolog	

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
FIELD BOOK

Name _____

Address _____

Phone _____

Project _____

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book

Page Pattern		Cover Options	
Left Page	Right Page	Premium Cover	Expedition Cover
Calendar	1/4" Grid	Bound Edge	Spiral Bound

6/6/06

0820 START White + EPA Jardine arrives at 786 Hartford Pl. CMC Hollingsworth arrives shortly afterwards. START White + EPA Jardine speak with Ms. Haynes.

0832 EPA Jardine asks START White to obtain a DATARAM to monitor Air.
CMC Hollingsworth asks START White to obtain information on:
1283 Allene Ave.
1276 Allene Ave
1263 Allene Ave
741 Erin Ave
727 Erin Ave
703 Erin Ave.

0850 EPA Jardine, CMC Hollingsworth, + START White along with Ms. Haynes enter the backyard of 786 Hartford Pl to discuss what will be kept. Ms. Haynes states that the numerous fenced area does not have to be replaced. She noted some plants + bushes that were sentimental and that should be kept.

AW

Photolog 6/6/06

	Time	Date	Taken By	Direction	Description
1	0824	6/6/06	AW	NW	Back yard of 786 Hartford
2	0829	6/6/06	AW	SW	Backyard of 786 Hartford
3	0831	6/6/06	AW	W	Backyard of "
4	0834	6/6/06	AW	S	Backyard of "
5	0836	"	"	N	"
6	0838	"	"	NE	"
7	0840	"	"	NW	"
8	0842	"	"	SW	"
9	0842	"	"	E	"
10	0843	"	"	S	"
11	0845	"	"	W	"
12	0845	"	"	N	Towards front yard 786 Hartford
13	0848	"	"	S	Towards backyard of 786 Hartford
14	0901		"	SE	Front area of home Left Right
15	0901			SE	"
16	0901			S	"
17	0903			S	"
18	0903			S	"
19	0906			S	"
20	0906			S	Front Area of home: Left
21	0908			SW	"
22	0909			SE	"
23	0909			E	"

AW

4 6/6/06

Time	Date	Taken By	Direction	Description
21 0910	6/6/06	AW	SE	Front of home - right
25 "	"	"	~~S~~E	"
26 "	"	"	S	Front of home - whole
27 0911	"	"	SW	Side of home - left

0925 START White departs to obtain more equipment for worksite. EPA Jardine has requested that START White obtain a DataRam.

1350 START White returns to worksite.

1537 START White calibrates XRF.

Time	Standards	Reading
~~Lo~~	~~Low~~	~~16.7±0.3~~ ~~22.0±1.8~~
	Med	
	High	

AW

1600 XRF instrument could not be used because it is not calibrated correctly. Eon Products dealer Bradley requested that START White bring the instrument to him and he would program it properly. The instrument will be ready for use on 06/07/2006.

AW

5

Photo Log Con't 6/6/06

Time	Date	Taken By	Direction	Description
28 1604	6/6/06	AW	~~SW~~	~~Southwest corner~~ Front of 786 Hartford

1700 START White leaves site to return XRF.

Weather is sunny, dry. Temp is 87°F.

AW

6/7/06

0715 START White arrives at Worksite to attend health & Safety meeting. CMC is at the site. Kemron is present also.

0800 START White & CMC team arrives at 786 Hartford Pl to continue excavation.

0815 START White begins to calibrate the XRF. It will be used to confirm depth.

Calibration Readings.

Reading #	Standard	Reading
14	Blank	0 ✓
18	Low	16.8
19	Med	1127 ± 25
20	High	3938 ± 105

XRF is ready to screen soil.

0900 START White enters backyard to take XRF Readings. START White also uses a dataram to monitor backyard.

0930 Due to the high readings (31, 32) CMC has been instructed to dig deeper

1101 Due to the high readings obtained earlier, EPA enters backyard to do additional

AW

C-Cleared

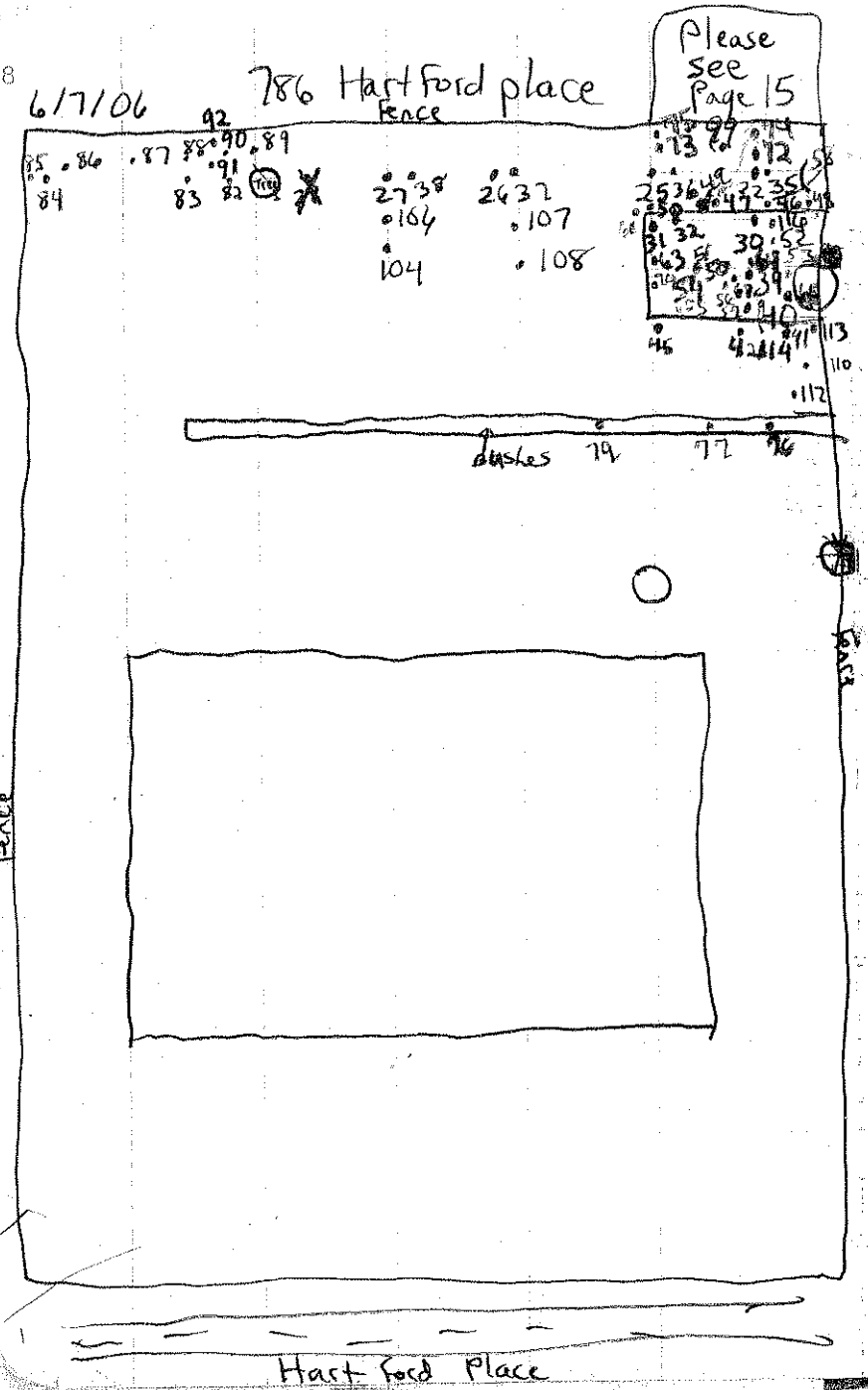
6/7/06

786 Hartford Pl. XRF Readings

Depth	Reading #	Time	Reading (ppm)
Surficial	22	0912	6783 ± 44.3
	23	0917	Void
	24	0920	Void
	25	0921	2268 ± 78.0
	26	0923	2472 ± 85
	27	0925	1705 ± 68
	30	0926	4082 ± 115
	31	0930	151,700 ± 1700
	32	0930	224800 ± 2400
(4in)	35 C	1012	103.5 ± 23.3
	36	1015	1341 ± 62
	37	1015	1339 ± 62
	38	1016	1413 ± 78
	39	1016	178,400 ± 2000
	40	1019	185,800 ± 2300
Surface	41	1027	746.4 ± 57.7
	43 C	1029	235.7 ± 28.6
	45	1037	2667 ± 88
(4in)	46	1040	1440 ± 70
	47	1043	3814 ± 153
(6in)	48	1051	378.6 ± 35.8
	49	1057	707.9 ± 55.7

AW

6/7/06 786 Hartford place



786 Hartford

Reading		Time	Reading (ppm)
50		1105	~~1307 ± 72~~ 656.7 ± 45.4
51		1107	1307 ± 72
52		1125	150,500 ± 11,000
53		1125	2608 ± 105
54		1128	192,600 ± 2000
55	C	1300	158.7 ± 22.5
56		1312	289,800 ± 2900
57		1320	41.4 ± 16.3
(6in) 58		1326	330.6 ± 35.1
59		1330	27.0 ± 14.4
60		1334	[illegible]
61		1337	1674 ± 65
63		1338	87.4 ± 21.2
64		1339	1503 ± 88
65		1341	46.4 ± 16.3
69		1341	52.3 ± 17.0
70		1343	46.6 ± 19.1
(8in) 72		1345	243.8 ± 34.5
73		1345	506.0 ± 50.4
74		1320 ~~1409~~	43.5 ± 16.1
75		1322	309.5 ± 32.6
(Surface) 76		1325	902.9 ± 52.1
77		1328	785.6 ± 50.7

6/7/04

Reading #	Time	Reading (ppm)
79	1331	589.7 ± 39.6
80	1335	735.7 ± 43.5
81	1336	689.7 ± 45.1
82	1401	29.5 ± 14.5
83	1410	799.4 ± 49.3
84	1410	1616 ± 81
85	1411	1206 ± 76
86	1435	211.4 ± 32.0
87	1435	246.7 ± 31.5
88	1438	87.0 ± 22.0
89	1440	166.0 ± 23.8
90	1443	434.9 ± 40.7
91	1450	256.8 ± 35.7
92	1453	604 ± 18.4

6/7/06

Spot readings. Readings continue to be high in the SW corner of 786 Hartford Pl. EPA Jardine digs into ground and START White takes XRF readings. It is determined that the visible black areas on the ground have extremely high lead content. When areas parallel the the black areas are screened they have very low lead content. EPA Jardine requests that TCLP samples be taken of the soil collected from this particular area. The soil is collected and moved to the NE property line.

1258 START White collects soil for sample ESB-786Hartford-SBB6.

1309 START White homogenizes soil for sample

1311 START White collects soil sample. Soil description: Dark Brown silty sand.

1400 START White continues to take XRF Readings.

1500 START leaves site. Temp is 86°F.

6/8/06

0715 START White arrives at worksite to attend safety meeting. START White requests for a second person to accompany her to to 703 Erin Ave. The reason for the visit is to confirm information before allowing the GIS team to complete the maps for removal.

0725 START White arrives back at worksite to discuss the progress of 786 Hartford Pl with EPA Jardine. During the discussion, EPA Jardine states that it is not necessary to plot every single XRF readings because multiple readings are taken at the same location. Per EPA Jardine, only the final ~~accept~~ XRF readings are needed. In compliance with this request, START White will now continue to take readings, but only the final reading will be ~~taken~~ plotted.

AW

6/8/06

0745 START White arrives at 786 Hartford Pl.

0755 START White prepares equipment for today. The XRF will be calibrated for use throughout the day. A second calibration will be done after lunch. The instrument is calibrated to ensure readings are correct. The DataRAM will be used to monitor the air.

0809 START White begins calibrating the XRF.

Reading#	Standard	Reading (ppm)
95	Blank	10.1
96	Low	24.1 ± 9.5
97	Med	1135 ± 48
98	High	4547 ± 78

0820 START White begins taking XRF Reading.

Reading #	Reading ppm
~~97~~ 99	174.19 ± 33.7
104	69.6 ± 21.7
106	195.4 ± 27.8
107	157.8 ± 29.1
108	33.3 ± 14.2

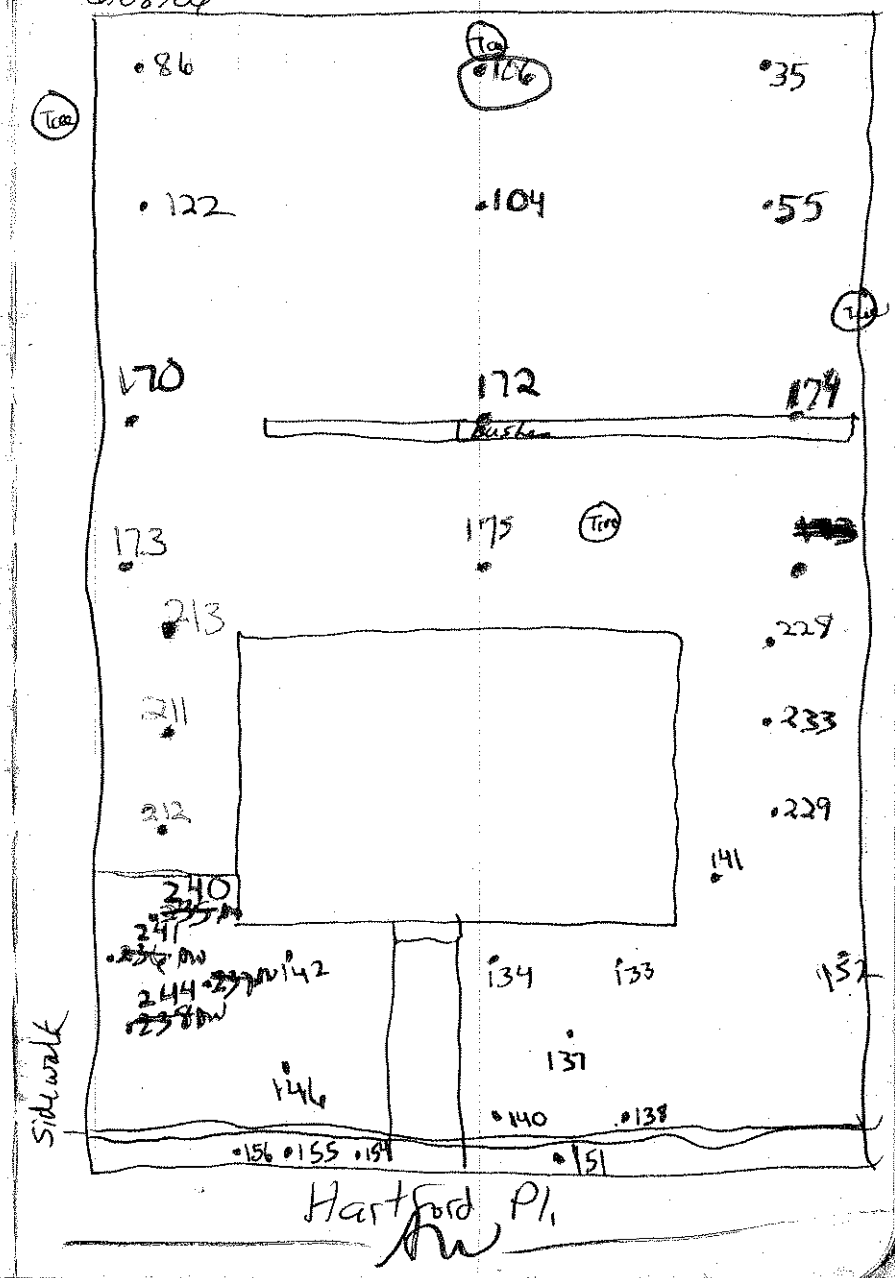
AW

6/18/06

Reading #	Reading (ppm)
110	151.4 ± 19.5
112	220.9 ± 29.2
113	312.3 ± 33.6
116	69.4 ± 17.1
122	28.8 ± 8.9
126	217.5 ± 50.2
127	82.1 ± 21.5

786 Hartford Pl

6/08/06



6/8/06

Time	Date	Taken By	Direction Towards	Description of Activity
29/053	6/8/06	AW	SE	CMC contractor removing contaminated soil from 786 Hartford Pl.
30/120	6/8/06	AW	NE	Stockpile of contaminated soil w/ high readings
31/122	6/8/06	AW	S	Leaning Tree 786 Hartford Pl.
32/126	6/8/06	AW	N	Black Stained Area
33/127	6/8/06	AW	W	Black Stained Area
34/127	6/8/06	AW	W	"

6/8/06 786 Hartford Pl.

0410 START White discusses with Ms. Hayes the plans for her backyard. Ms. Hayes states that she wants a flat surface in the backyard. This includes removing all bushes from the backyard. One bush will be saved. It has sentimental value to the resident. This bush will be moved to the frontyard after removal is completed. Also, the fig tree will be uprooted per Ms. Hayes. She has requested a flat surface. As for the frontyard, Ms. Hayes requests that every bush is removed. ~~She wants to retain the monkey grass.~~ In addition, Ms Hayes will assist with directing + saving some vegatation in her frontyard.

Elmer a Hayes

6/8/06

0500 START White departs site to travel to Tetra Tech's Duluth office. Weather is hot, mild. Temp 85°F.

AW

06/08/06

0656 START White arrives at site to attend Health & Safety meeting.

0720 START White arrives at 786 Hartford Pl. START White knocks at door so that resident can monitor frontyard renovation. Resident had previously stated that she would indicate what goes & stays.

0830 START White calibrates XRF.

Reading #	Reading (ppm)
130	21.9 ± 12.1
131	1080 ± 46
132	4489 ± 99

XRF Readings:

Reading #	Reading (ppm)
133	431.7 ± 55.0
134	314.4 ± 34.7
137	54.7 ± 17.7
138	241.9 ± 41.6
140	161.5 ± 23.1
141	251.5 ± 36.3
142	136.6 ± 24.3

AW

6/9/06

0906 START White marks all plants that Ms. Hayes states she would like to keep.

Time	Date	Taken By	Direction	Description
920	Camara Battery dies so no pictures can be taken. START White will purchase another battery today.			

6/9/06 XRF Readings

Reading #	Reading (ppm)
146 ~~216.7 ± 31.4~~	216.7 ± 31.4
151	56.6 ± 20.4
152	314.3 ± 51.4
154	176.8 ± 27.0
155	159.4 ± 28.9
156	42.0 ± 23.0

1230 EPA Jardine arrives at 786 Hartford Pl. He requests that START White take an XRF reading of the property. The area that rests on the opposite side of the driveway that is located between 786 Hartford & 790 Hartford Ave. (Refer to reading # 152)

1315 Resident Ms. Hayes stated that she was unhappy with the frontyard removal. She claims that some bushes were removed that she wanted to keep.

1400 CMC begins backfilling frontyard of 786 Hartford Ave. Prior to back filling START White has to collect a 5-point composite.

AW

6/9/06

1403 START White collects soil for sample ESB-
START White homogenizes soil.
START White collects soil sample.

1503 START White departs from site.
Weather is sunny. Temp is 84°F.

6/10/06

0800 START White arrives at jobsite. Work is in progress. START White begins to calibrate XRF.

Reading #	STANDARD	Reading (ppm)
166	Low	25.2 ± 10.6
167	Med	1093 ± 46
168	Hi	4416 ± 130

0900 START White takes random readings with the XRF.

Reading #	Reading (ppm)
170	< LOD = 47.1
172	< LOD = 26.0
173	< LOD = 23.3
174	< LOD = 24.3
175	< 41.9 ± 15.1

It is determined that these areas are no longer above the 350 limit.

0930 CMC continues to transport soil. The landfill will close at 1200. The last load will be hauled at 1100.

6/10/06

1004 START White attempts to use the dataram for monitoring purposes. CMC is using water hoses to keep the dust from rising. It appears to be an effective method.

1100 START White & CMC ~~begins to~~ AW prepare to leave 786 Hartford Ave. Weather is hot, sunny. Temp is 91°F.

AW

6/12/06

0702 START White arrives at site to meet CMC team. A health & safety meeting ~~X~~ AW begins.

0715 START White arrives at 786 Hartford Pl.

0722 Begins to calibrate XRF.

Reading #	Standard	Reading (ppm)
178	Low	22.4 ± 10.2
179	Med	1096 ± 30
180	Hi	4081 ± 102

0745 START White calls the lab to find out results for sample collected on 6/7/06. Lab is not open yet.

0830 START White calls lab again & speaks with Patrick, project manager. He states that the results are not yet ready.

0832 CMC is ready to begin excavating.

0840 START White enters the back yard to observe activities. Ers crew is removing the northwestern corner of the back yard.

0900 START White is approach by

AW

6/12/06 XRF Readings

Reading #	Reading (ppm)
182	59.4 ± 18.2

Photo log

Time	Date	Taken By	Direction	Description
0915	6/12/06	AW	S	Front yard of 786 Hartford Pl ~~Filling~~ AW after backfilling is completed.
(36) 1049	"	"	"	Backyard left
(37) "	"	"	"	Backyard-middle
(38) 1052	"	"	SW	Backyard-sight
(39) 1054	"	"	SE	Backyard area stones lining fence per resident
40 1055	"	"	SW	Undisturbed tree roots
(41) 1056	"	"	W	Undisturbed tree roots

AW

6/12/06

by Mr. Hayes. He stated that his mom was OK with the procedures that were followed thus far. EPA Lucas arrives at site.

0912 START White re-enters the back-yard and she will stay in this area until lunch time. Once there, additional XRF screening will be done, as well as photos.

1100 START White attends conference call with Tetra Tech.

1330 Excavation continues on the West side of the house. START White will continue to do XRF. EPA Lucas arrives back onsite. He enters back yard of property.

1350 EPA Lucas emerges from backyard of property.

1420 It begins to lightening at site. CMC is removed from equipment. It begins to rain. It is determined that START & CMC will attempt to wait out the storm.

1500 CMC Hollingsworth decides to continue working.

AW

6/12/06

1502 START White contacts the laboratory again to find out the results from the heavily contaminated stockpile in the backyard. Patrick informs START White that the results are 201 mg/L. Because the results are over the limit, CMC Hollingsworth has ordered a roll-off container. This container will be kept at the Ezell Trucking Co. site until this project is completed. The contaminated soil from 786 Hartford Pl will be placed in this container. Additionally, any other contaminated soil that is found to be ove 5.0 mg/L will also be stored here.

1520 The roll-off containes arrives at the trucking company site.

1531 CMC Hollingsworth orders CMC team to remove stockpile from

AW

backyard. Due to the transport method (hauling the dirt bucket by bucket to ensure no spilling) the remainder of the day will be spent hauling the stock pile.

1539 START White departs from site.

Weather is cloudy. Temp 80°F.

SW

6/13/06

0700 START White arrives at Ezell Trucking Co. to attend the daily health & Safety meeting.

0725 START White begins to Calibrate XRF.

Reading #	Standards	Reading (ppm)
188	Low	22.6 ± 10.8
189	Med	1097 ± 48
190	High	4428 ± 101

0820 START White begins taking reading. Various on the east side of the house. All readings are above the 350 limit. START White will continue to take readings until they are below the limit. CMC Hart will continue to scrape areas.

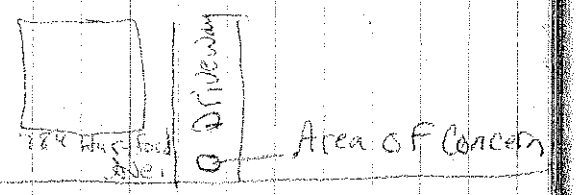
Reading #	Reading (ppm)
211	32.5 ± 15.9
212	LOD = 22.7
213	82.4 ± 49.2
228	CLOD = 53.6
229	82.7 ± 14.1
233	20.0 ± 11.4

6/13/06

0910 Shovels are used to remove dirt from around the house. This will prevent any structural damage.

1012 Ms. Hayes emerges from her resident. She observes activities. She also states that she noticed her driveway is being damaged due to the heavy machinery. She acknowledges that damages to the driveway were sold except one spot where the gravel is dismantling.

Diagram of Area



HARTFORD Ave.

1040 EPA Lucas arrives on scene. CMC continues to remove contaminated soil.

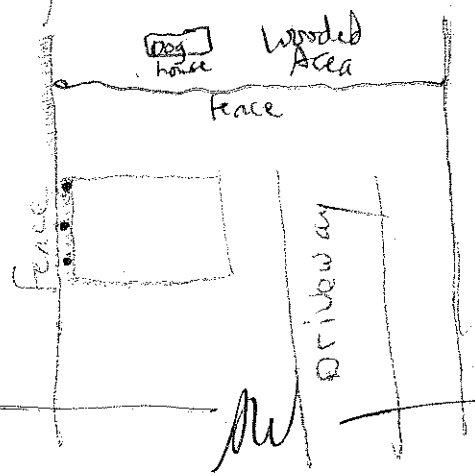
1215 START & CMC return from lunch. EPA Lucas arrives back on scene.

1245 START White, EPA Lucas, CMC

6/13/06

cont'd Hollingsworth walk over to speak with the residents at 790 Hartford Pl. It is estimated that removal will begin at this property on Thursday June 15 2006. The residents states that she is aware of this. Her name is Katrina McKenzie. She and her daughter Makita share the home, but her ex-husband Johnny is the owner of the house & property. While there, EPA Lucas request that we take XRF Readings along the East side of 790 Hartford Pl.

Diagram of 790 Hartford Pl.



AW

6/13/06

XRF Readings

Reading #	Readings (ppm)
224	1245 ± 49
225	3480 ± 138
~~227~~ 226	1198 ± 86

Because it is determined that this area is accessible, EPA Lucas has requested that CMC excavate this area.

1300 Excavation continues in the backyard of 786 Hartford Pl. Meanwhile, it is determined that the fence will be removed for excavation purposes

1425 CMC START White begin remove ~~wire~~ Vines from the fenced area. CMC removes all trees that are growing into the fence. The fence has visible damage where a tree has grown into it and lifted it from the ground.

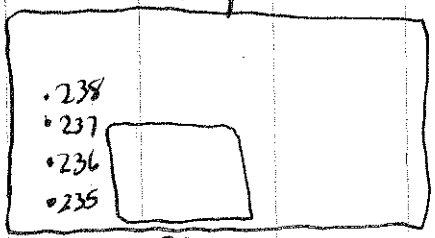
1500 CMC pulls the fence back to expose the contaminated area. CMC that begins excavation. XRF readings are taken throughout excavation.

AW

XRF Readings

Reading #	Reading (ppm)
235	<LOD: 245
236	132.3 ± 35.2
237	195.9 ± 87.2
238	252.8 ± 34.5

Diagram of 790 Hartford Pl



#	Taken By	Photo Log Date	Direction	Description
43	AW	6/13/06	~~Direction~~ S	Side of 790 Hartford
44	AW	"	W	"
45	AW	"	W	"

1505 START & CMC begin to excavated East Side of 786 Hartford, frontyard.

XRF Reading #	Reading (ppm)
240	<LOD: 243
241	37.6 ± 16.0
244	17.2 ± 8.3

1549 START White & CMC prepare to leave Site. Weather is sunny & windy.

AW

6/14/06

0745 START White arrives at 786 Hartford Pl. START White begins to Calibrate XRF.

Reading #	Standard	Reading (ppm)
244	Low	17.2 ± 8.3
245	Mod	1083 ± 47
246	Hi	4304 ± 115

0815 Readings are taken at 786 Hartford

247	227.4 ± 30.3
248	59.3 ± 17.5

0830 START White, EPA Lucas, & CMC team enter 790 Hartford Pl

0845 The resident, Makita, comes out of the house with her children. She is upset because she was not informed that we would be in the yard. Note: she was not at the house when EPA Lucas got permission from Katrina, Makita's mom.

0847 Makita calls her father, Johnny, who is the owner of the home. She allows EPA Lucas to speak with her father. Johnny McKenzie stated that as long as the yard was going to be restored back to its present condition that it is

AW

6/14/04

Cont'd OK to proceed with excavation.

0857 EPA Lucks & START White reenters the backyard and continues to screen area. CMC team enters first to clear a path for START White. Two XRF Readings are taken.

Reading #	Reading (ppm)
249	409.4 ± 32.5
250	595.0 ± 38.6

0920 The first dumptruck arrives to bring soil for backfilling at 786 Hartford Pl.

0927 CMC team begins to spread the soil out in a uniform manner.

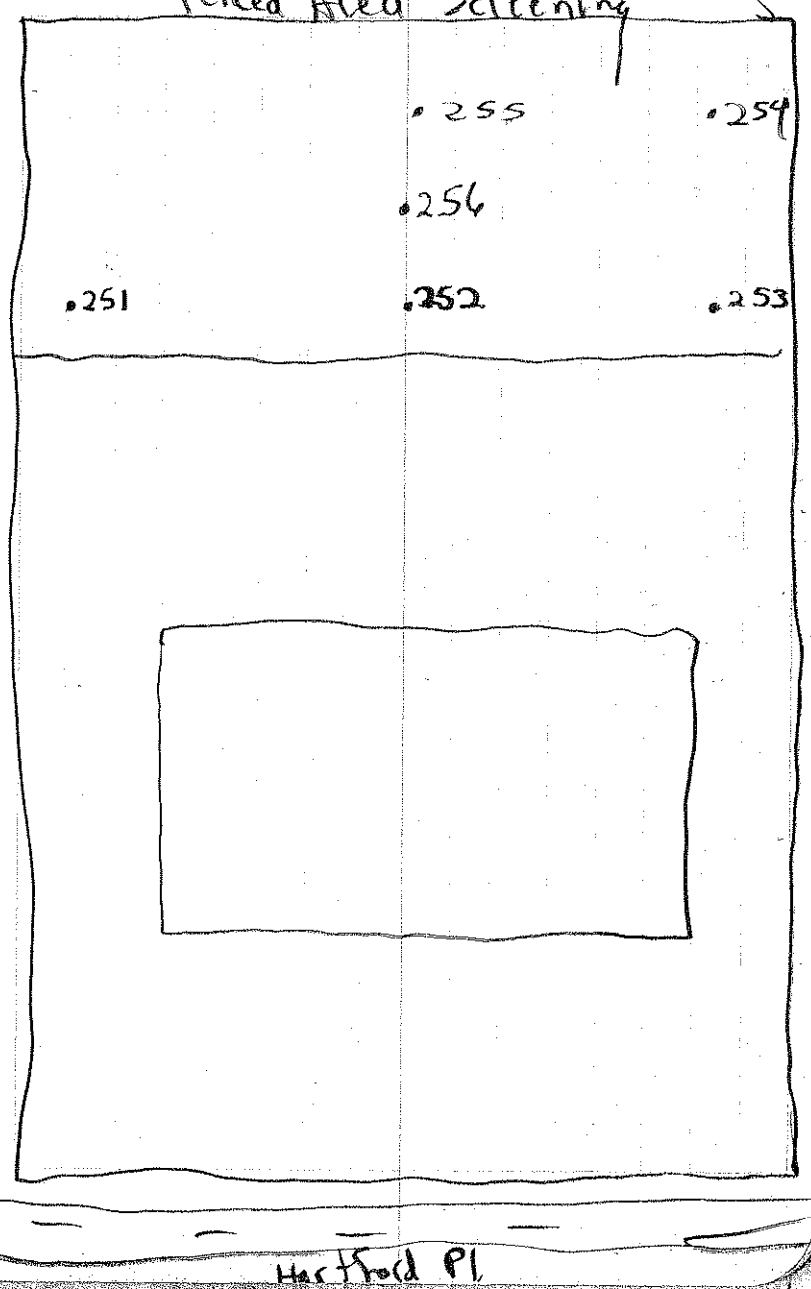
0945 Second dump truck arrives with soil. The soil is being dumped out on the west side of 786 Hartford Pl.

1007 CMC Hurst enters back yard of 790 Hartford Pl.

1030 START White takes XRF readings of the backyard of 790 Hartford Pl.

790 Hartford Pl.

Fenced Area Screening



6/14/06 XRF Reading

Reading #	Reading (ppm)
251	401.2 ± 36.2
252	459.9 ± 35.3
253	685.1 ± 41.9
254	524.0 ± 51.4
255	326.3 ± 30.8
256	301.6 ± 28.5

1127 CMC continues to bring soil to the backyard of 786 Hartford Pl.

1339 CMC is still continuing to bring soil to the backyard of 786 Hartford Pl.

1630 CMC has finished backfilling backyard & West side of house.

Time	Taken By	Date	Direction	Description
1633	AW	6/14/06	S	Backyard of 786 Hartford Pl after Backfilling
"	"	"	SE	"
"	"	"	NE	"
"	"	"	N	"
"	"	"	W	"
"	"	"	N	"

1645 CMC begins excavating east side

AW

6/14/06

Cont'd of 786 Hartford Pl.

1729 Eastside of 786 Hartford Pl is backfilled

1749 START White departs from site. Weather is hot, sunny.

6/15/06

0711 START White arrives at ~~790~~ AW Ezell Trucking to attend Health + Safety meeting.

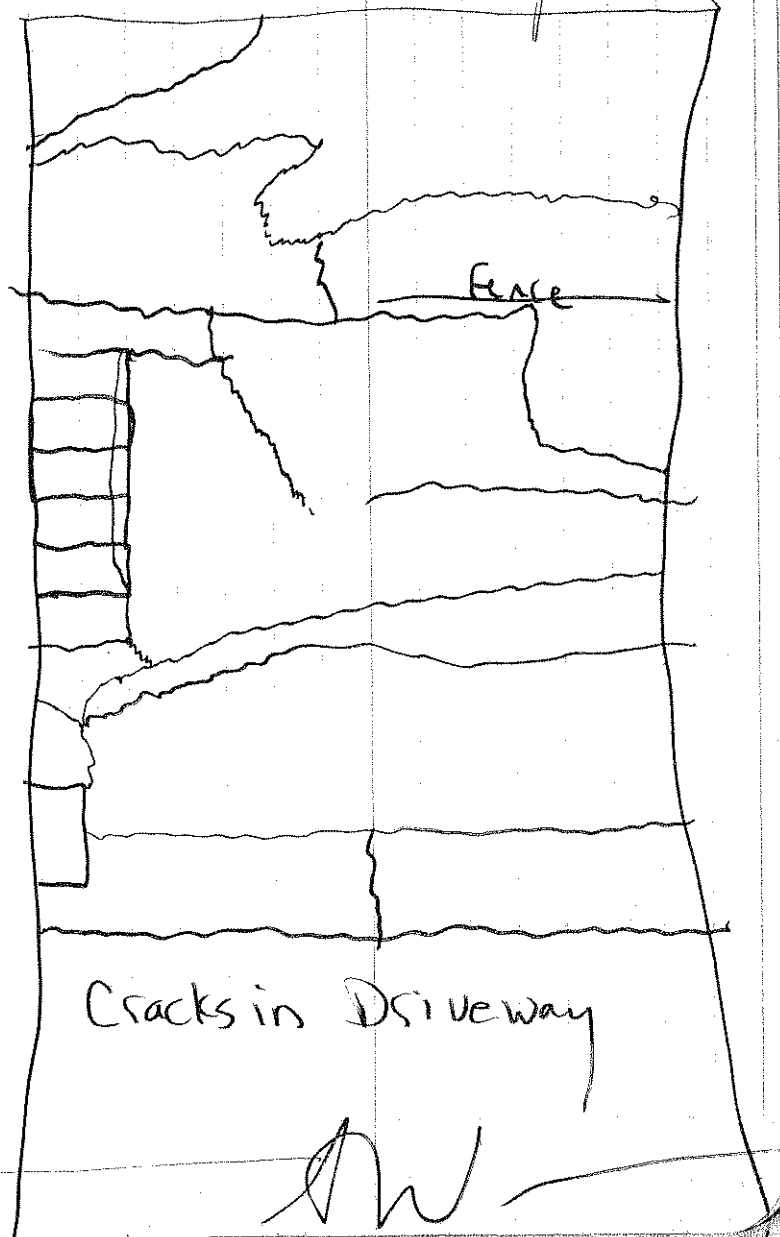
0800 START White arrives at 790 Hartford Pl. Photographs will be taken to document visual proof of any prior damages and for the purpose of restoring the property back to its present state.

Photo Log

Date	Taken By	Direction	Description
6/15/05	AW	S	790 Hartford Pl
"	AW	"	Left side of Driveway
"	"	"	middle of Driveway
"	"	"	Right side of Driveway
"	"	"	Driveway of 790 Hartford
"	"	W	"
"	"	E	"
"	"	S	"
"	"	E	"
"	"	SE	"
"	"	SE	"
"	"	SW	"
"	"	S	"

AW

790 Hartford Driveway Diagram



AW

6/15/06

0820 START White documents cracks in driveway. EPA Lucas arrives.

0845 START White calls Johnny McKenzie to inquire about the doghouse on his property. Mr. McKenzie stated that he did not care about the doghouse. He said it could be removed. He also said that he was at 790 Hartford Pl on yesterday (6/14/06) and that everything we were doing was OK with him. He stated that the fence could come down if we were going to put sod in the fenced area. Mr. McKenzie will be coming by around 1030 or 1100 today.

0850 EPA Lucas ~~arrives~~ departs. He stated that he is going to return after picking up an intern.

0858 START White calibrates the XRF.

Reading #	Standard	Reading (ppm)
258	LO	22.7±9.9
259	Med	1144±54
260	Hi	3895±93

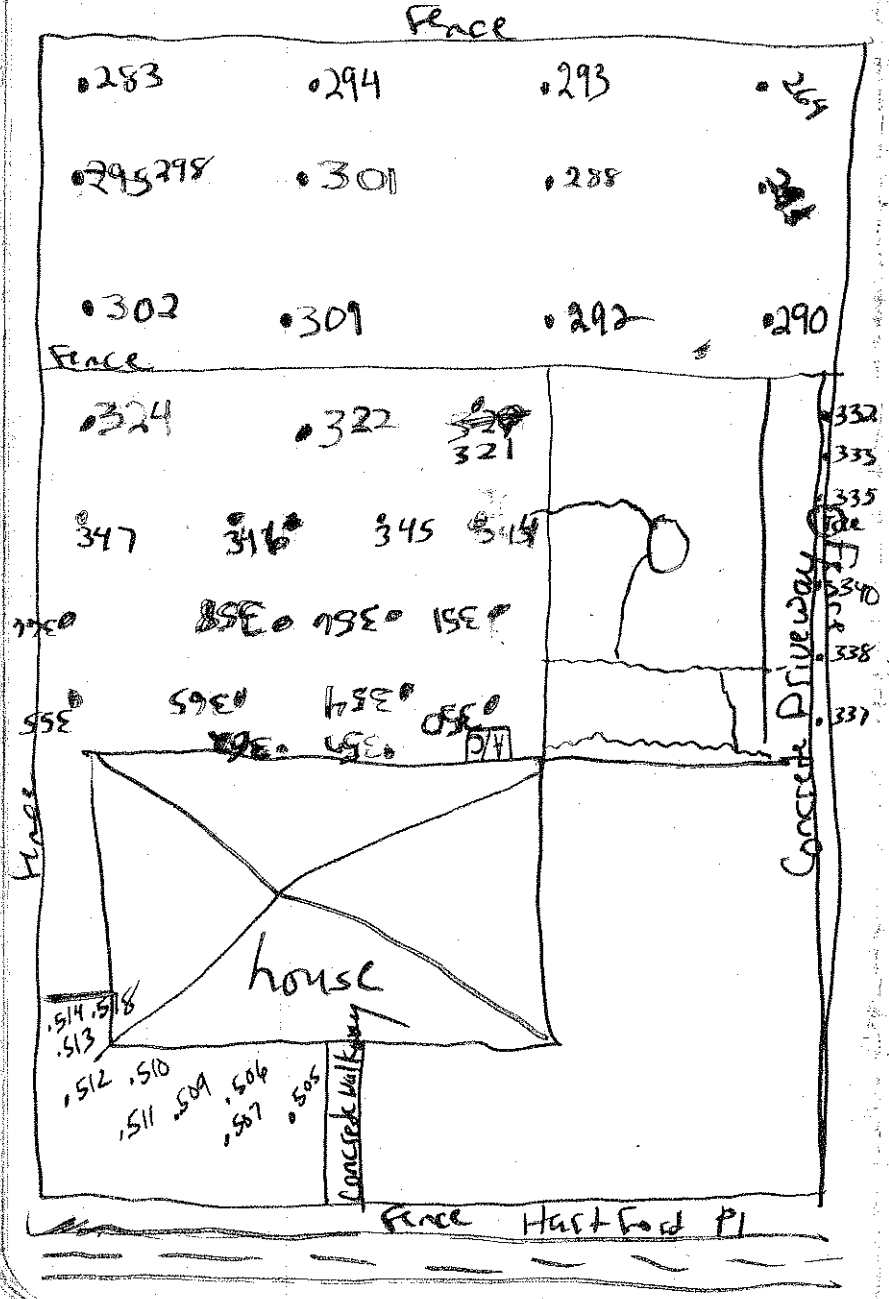
786 Hartford Pl

XRF Reading

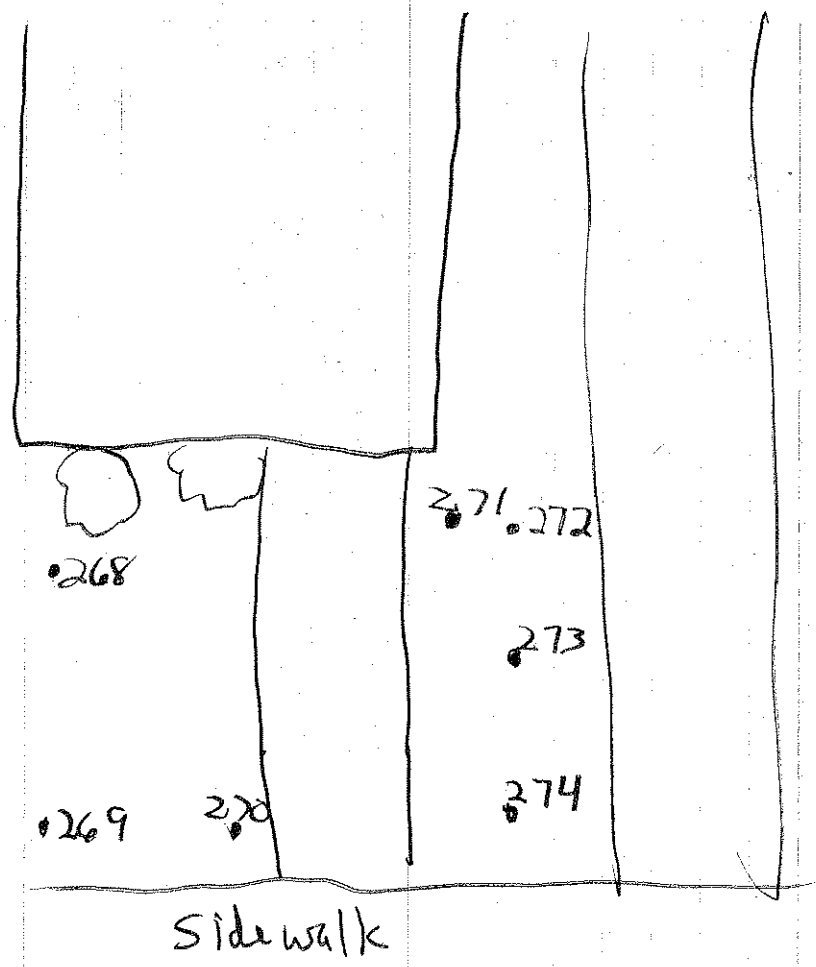
Reading #	Reading (ppm)
264	2990±23.6
265	

11

790 Hartford Pl



790 Hartford Pl.



0920 Ms. Hayes speaks with EPA Lucas regarding her driveway. Additional damage is visabally evident and she wants it fixed. EPA Lucas assures her it will be fixed.

6/15/06

1005 CMC Hollingsworth requested that START/White take Confirmation XRF samples in the frontyard of 790 Hartford Pl.

XRF Readings

Reading #	Reading (ppm)
268	375.2 ± 12.6
269	181.4 ± 24.6
270	39.7 ± 15.5
271	269.7 ± 29.4
272	~~37.3~~ 116.4 ± 24.7
273	73.5 ± 17.9
274	62.9 ± 24.5
275	55.8 ± 21.5

1032 START White alters the removal map accordingly.

1040 START White enters into backyard of 790 Hartford Pl to take more confirmation XRF Readings.

1110 START White leaves to purchase a battery for the digital Camera.

AW

6/15/06 790 Hartford Pl Backyard

Reading #	Reading (ppm)
~~264~~	~~AW~~
~~265~~	~~AW~~
283	274.3 ± 31.4
288	231.7 ± 28.7
290	109.9 ± 18.7
291	51.3 ± 16.6
292	139.7 ± 21.3
293	279.1 ± 33.2
294	62.0 ± 16.7 AW
295	

1230 START White returns to 790 Hartford Pl. Start White observes CMC as they are excavating the backyard. Kemron Allen sprays water for dust control.

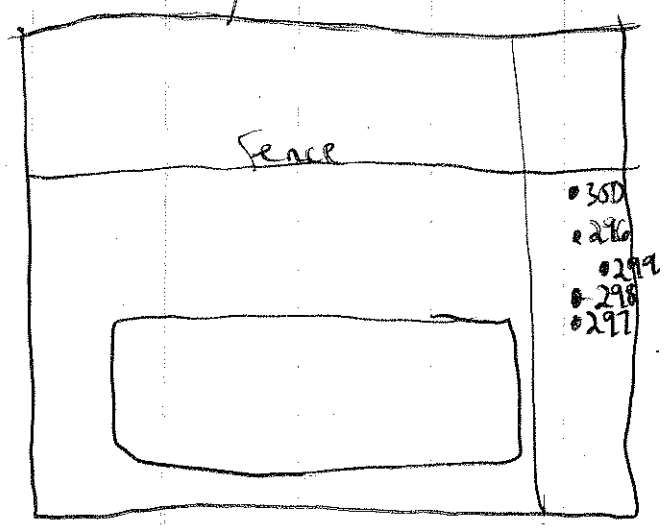
1500 EPA Lucas requests that START White takes additional readings in the backyard.

Reading #	Reading (ppm)
296	~~AW~~
~~297~~	~~AW~~
298	248.7 ± 35.0
~~299~~	~~AW~~
~~300~~	~~AW~~

AW

6/15/06

Diagram



con't These readings were done to confirm previous field readings.

1529 START White continues to use the XRF to take readings.

1600 START White looks over some plat maps.

1614 START White walks to 1239 Allene Ave. This property will be screened on Friday. The back portion of the property is enclosed and a locked fence is

AW

6/15/05

cont'd noted.

1640 START White leaves site to travel to ~~Now~~ Duluth. Eon Products ~~Now~~ left a soil screen at the office. This screen is to be used with XRF. Weather is hot + Sunny.

AW

Insert Reading #	Reading ppm
301	312.2 ± 31.7
302	241.0 ± 27.5
309	192.4 ± 23.5

AW

Reading #	Reading ppm
321	177.1 ± 29.8
322	169.0 ± 32.6
324	93.0 ± 23.2

06/16/06

0705 START White arrives at Zell Trucking CO. to attend the health & Safety meeting.

0729 START White departs and heads to 790 Hartford Pl.

0735 START White calibrates the XRF.

Reading #	Standard	Reading (ppm)
326	Low	21.9 ± 8.6
327	med	1122 ± 48
328	High	4259 ± 89

0810 START White goes in the backyard and begins taking XRF Confirmation Screening.

XRF Readings

Reading #	Reading (ppm)
332	92.5 ± 21.4
333	175.7 ± 36.4
335	239.7 ± 28.8
337	49.8 ± 16.0
338	96.4 ± 28.3
340	169.0 ± 25.4

0945 START White leaves backyard.

1007 START White reenters backyard.

AW

06/16/06

XRF Readings

Reading #	Reading (ppm)
344	200.6 ± 32.1
345	243.5 ± 39.5
346	27.4 ± 13.6
347	130.6 ± 23.0
350	<LOD = 21.6

Photolog

Date	Taken By	Direction	Description
6/16/06	AW	S	Backyard of 790 Hartford Pl
"	"	SE	"
"	"	SW	"
"	"	N	"
"	"	NW	"
"	"	N	"

XRF Readings

Reading #	Reading (ppm)
351	298.5 ± 33.2
354	250.0 ± 33.2
356	68.5 ± 17.9
357	68.1 ± 17.2
358	<LOD = 17.1
355	70.9 ± 24.8
362	82.9 ± 18.4
366	54.8 ± 18.4

AW

6/16/04

1109 CMC detaches another section of the fence that seperates 786 & 790 Hartford Pl. This will allow easier access to the back yard of 790 Hartford Pl.

1117 The area is being monitored by a DATARAM. The dataRAM has been set and it will alarm if the concentration of dust gets too high.

1230 START & CMC team return from lunch. EPA Lucas arrives shortly afterwards.

1240 CMC Hurt continues to excavate the backyard of 790 Hartford.

1330 Excavation of backyard is near Completion.

1428 CMC crew sprays concrete with water to remove lead traces.

1517 START prepares to go to 1239 Allene Ave. The property will be screened and removal plat maps will be produced.

AW

6/16/04

1520 START White drives over to 1239 Allene Ave. CMC Hollingsworth will accompany her.

1526 START White begins clearing areas for XRF Screening. A shovel is used to clear areas. A drawing of the property is completed. The entire back area of the property is enclosed by a fence and it is covered with concrete. (See seperate drawing)

XRF Readings

XRF Reading #	Reading (ppm)
379	964.8 ± 65.8
382	2398 ± 91
383	2917 ± 107
384	5231 ± 122
385	2281 ± 101
386	3396 ± 120
388	< LOD = 28.2
389	1065 ± 67
390	< LOD = 25.3
391	821.8 ± 52.0
392	643.5 ± 44.2
393	204.6 ± 36.6

AW

6/16/06

Reading #	Reading (ppm)
394	649.9 ± 43.4
395	1947 ± 92

1547 START White collects soil for soil sample ESB-1239Allene.

1553 START White homogenizes soil. Soil is Dark brown silty sand.

1600 Soil sample ESB-1239Allene is collected.

1607 START White & MC Hollingsworth depart and is en route to 707 Erin Ave.

1610 START White enters the backyard to begin screening. START White constructs a drawing of the property. (See seperate drawing.)

XRF Reading #	Reading (ppm)
397	250.3 ± 30.5
398	259.4 ± 35.2
399	277.5 ± 25.0
401	259.1 ± 35.4
402	840.1 ± 48.6
403	339.3 ± 32.9
404	346.9 ± 32.3

AW

XRF Reading #	Reading (ppm)
405	420.2 ± 39.3
406	402.2 ± 39.7
408	347.4 ± 33.8
409	339.5 ± 23.9
411	364.2 ± 37.0
412	379.8 ± 33.4
413	575.2 ± 50.3
414	553.8 ± 40.3
415	414.2 ± 41.6
416	408.5 ± 40.6
417	989.6 ± 59.1
418	587.3 ± 36.5
419	199.4 ± 26.2
420	260.5 ± 32.1
421	484.4 ± 40.7
422	309.4 ± 36.3
423	336.7 ± 34.3
424	204.1 ± 26.0
425	205.6 ± 29.4
426	140.5 ± 22.3
427	225.5 ± 32.1
428	214.4 ± 29.5
429	473.1 ± 46.2

AW

6/16/06

Reading #	Reading (ppm)
430	431.8 ± 30.7
431	218.6 ± 31.9
432	285.1 ± 29.9
433	156.5 ± 27.8
434	410.3 ± 39.1
435	531.2 ± 44.6
436	463.1 ± 49.0
437	540.5 ± 48.4

1654 CMC Hollingsworth departs and sends Kemron Allen to assist START White.
Note! CMC team is ~~sti~~ now backfilling 790 Hartford Pl.
1827 START White completes screening of 707 Erin Ave.
1848 START White covers all screened areas.
1706 START White & ~~CMC~~ AW Kemron Allen depart site for today. Weather is Sunny. Temp is 92°f.

AW

6/17/06

0700 START White arrives at Ezell Trucking to attend health & Safety meeting.
0720 START White arrives at 1243 Allene Ave. CMC is ready to start removal activities.
0722 START White takes photos of property.
0750 START White Calibrates the XRF.

Reading #	Standards	Reading (ppm)
439	Low	19.0 ± 8.2
440	Med	1128 ± 51
441	Hi	3691 ± 84

0752 Excavation begins. CMC Hurt operates excavator.

Photolog

Date	Taken By	Direction	Description
6/17/06	AW	S	Daycare Sign
"	"	W	Daycare Building
		W	South Driveway Entrance
		SW	Cracks in Driveway
		N	"
		N	"

AW

6/17/06 Photo Log Con't

Date	Taken By	Direction	Description
6/17/06	AW	W	Cracks in Driveway
"	"	W	"
"	"	N	Driveway
"	"	NW	"
"	"	N	"
"	"	N	Oil Stains
"	"	E	"
"	"	NE	"
"	"	W	"
"	"	NW	"
"	"	NE	"
"	"	W	North Driveway
"	"	E	Torn Screen on window
"	"	W	Broke Glass on Grass
"	"	NW	Light fixture w/o glass
"	"	W	Missing brick from flowerbed
"	"	W	Torn Carpet on Porch
"	"	W	Disturbed bricks
"	"	SW	"
"	"	S	"
"	"	SE	"

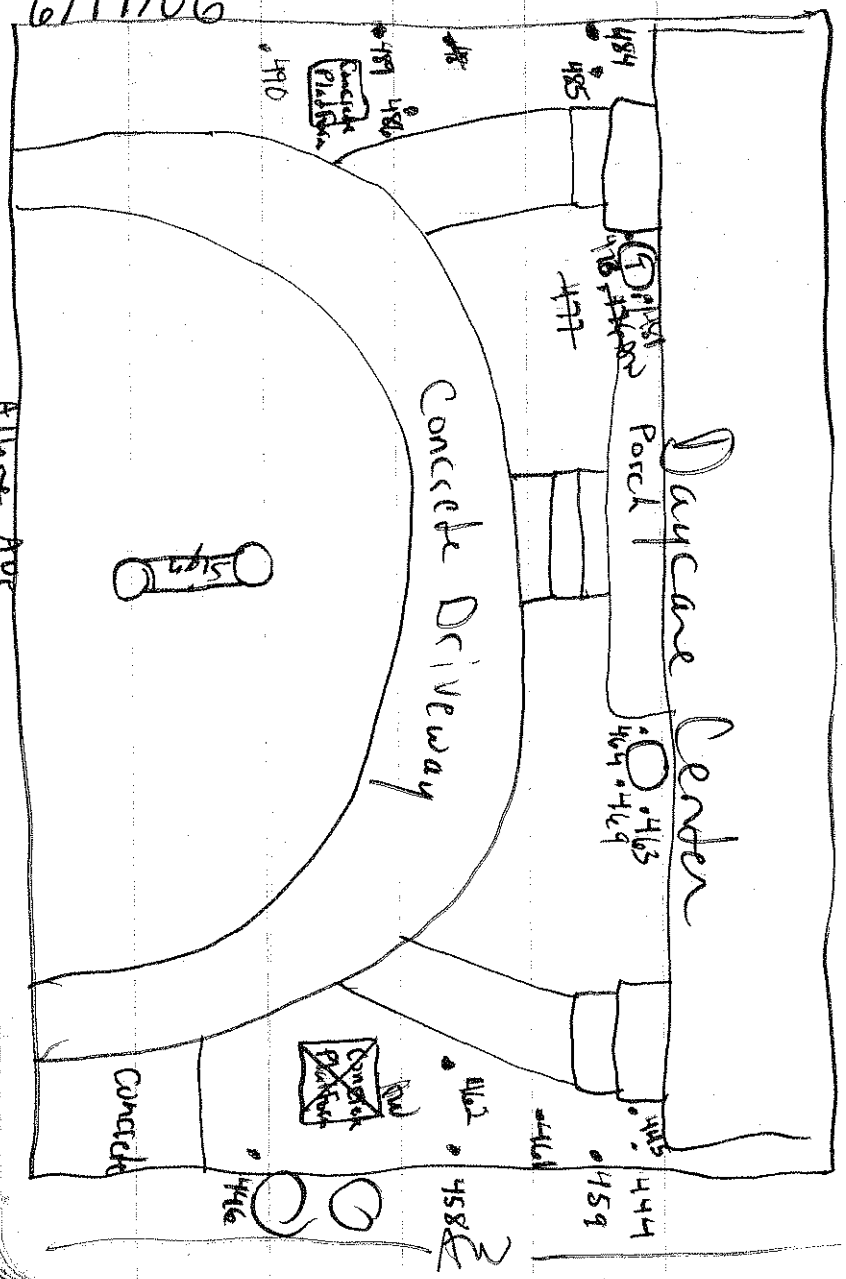
AW

6/17/06 XRF Log

Reading #	Reading (ppm)
444	139.4 ± 30.8
445	80.6 ± 17.1
446	210.6 ± 26.0
458	220.4 ± 25.7
461	81.4 ± 19.7
462	688.8 ± 44.0
463	237.9 ± 28.4
464	308.7 ± 36.2
469	309.6 ± 34.9
473	80.0 ± 20.0
476	AW
477	AW

AW

6/17/06



6/17/06

1020 CMC Hurt + Haggard depart from 1243 Allene Ave to go over to 786 Hartford Pl to lay sod in the frontyard. CMC Hollingsworth is operating the excavator.

1050 START White continues to take XRF confirmation while CMC Hollingsworth is excavating.

1145 CMC + START White break for lunch.

1220 START White arrives at 1243 Allene Ave. She continues to screen.

1248 START White collects soil for sample ESB-1243 Allene-SBB6.

1253 START White homogenizes soil.

1305 START White collects sample.

1310 CMC Hollingsworth has to call the soil storage yard. The dump truck is waiting to collect soil and transport it back to 1243 Allene Ave. The employee at the yard agreed to go back and allow the truck to come in.

1400 START White + CMC backfill 1243 Allene + resod the backfill area.

AW

6/17/06

Note: Only half of the yard is done. The other half will be completed on Saturday, June 24, 2006.
Weather is hot, sunny.

Geneva [illegible]
793 Hartford Rd
404-755-3222
404-388-5237

6/19/06

0652 START White arrives at Ellen trucking to attend health & safety meeting.

0719 START White arrives at 790 Hartford Ave. The XRF is calibrated

XRF Reading #	Standards	Reading (ppm)
501	Detector Cal	
502	Low	19.8 ± 10.0
503	Med	116 ± 42
504	High	4467 ± 106

~~505 AW~~ XRF Readings

Reading #	Reading (ppm)
505	185.2 ± 33.3
506	303.0 ± 26.8
507	237.1 ± 29.4
509	205.7 ± 63.7
510	191.4 ± 65.3
511	200.4 ± 31.2
512	270.0 ± 32.3
513	81.1 ± 19.3
514	295.7 ± 31.6
518	83.7 ± 20.0

0800 START White begins taking readings of front yard of 790

6/19/06

Cont'd Hartford Pl. CMC Hurt is operating the trackhoe. (See page 6)

0842 CMC begins backfilling the backyard of 790 Hartford Pl.

Photo Log

Date	Taken by	Direction	Description
6/19/06	AW	~~SW~~ NW	Frontyard of 790 Hartford
"	"	S	"
"	"	S	"
"	"	SW	Frontyard of 790 Hartford Post excavation
"	"	SW	backyard of 790 Hartford post excavation

0936 CMC continues to backfill backyard.

1015 START White compiles photolog for removal.

1122 lunch

1201 Returned from lunch.

1220 EPA Jardine arrives onsite.

1236 EPA Jardine requests that START White ride with him over to a property off of University Ave. He has requested that the ditch behind the property be ~~tes~~ sw

6/19/06

Cont'd Screened & sampled. Three drums are present in the ditch. The drums appear to be fairly new. No rust is present. The ditch sits behind the Great Lakes Trailer Co. & is considered to be a part of the company. The ditch will have to be accessed through the road that runs parallel to the trailer Co.

1315 START & EPA return to the site. CMC is still backfilling.

1349 START White collects confirmation sample for 790 Hartford Ave. A One 5-point composite is taken. EPA Jardine has requested that all confirmation samples be analyzed for total metals.

1500 CMC is still back filling.

1600 START White helps with backfilling.

1722 START White & CMC prepare to leave.

6/20/06

0700 START White arrives at Ezell Co, to attend health & Safety meeting.

0722 START White arrives at 1255 Allene Ave. Photographs will be taken for documentation. START Doolittle arrives

Date	Taken By	Direction	Description
6/20/06	AW	W	Front of 1255 Allene Ave
		W	Walkway leading to house
		N	Sidewalk
		W	Southside of house
		W	Northside of house - Driveway
		W	leftside of Front of house
		SW	"
		W	rightside of front of house
		S	Frontyard of house
		S	left side of Driveway
		S	"
		SW	"
		E	Driveway
		W	"
		E	"
		S	Driveway
		W	"

AW

Date	Taken By	Direction	Description
6/20/06	AW	S	Bricks & Stones on ground
		E	Back of house
		E	Garage on back of house
		SE	back of house
		E	Southside of house
		NW	Stones along Fence
		W	Backyard

0746 START White begins to calibrate the XRF.

Reading #	Standard	Reading (ppm)
520	Low	26.8 ± 10.4
521	Med	1098 ± 47
522	Hi	4510 ± 129

0800 START White enters the backyard. CMC Hurt is operating the trackhoe.

0900 CMC continues to excavate.

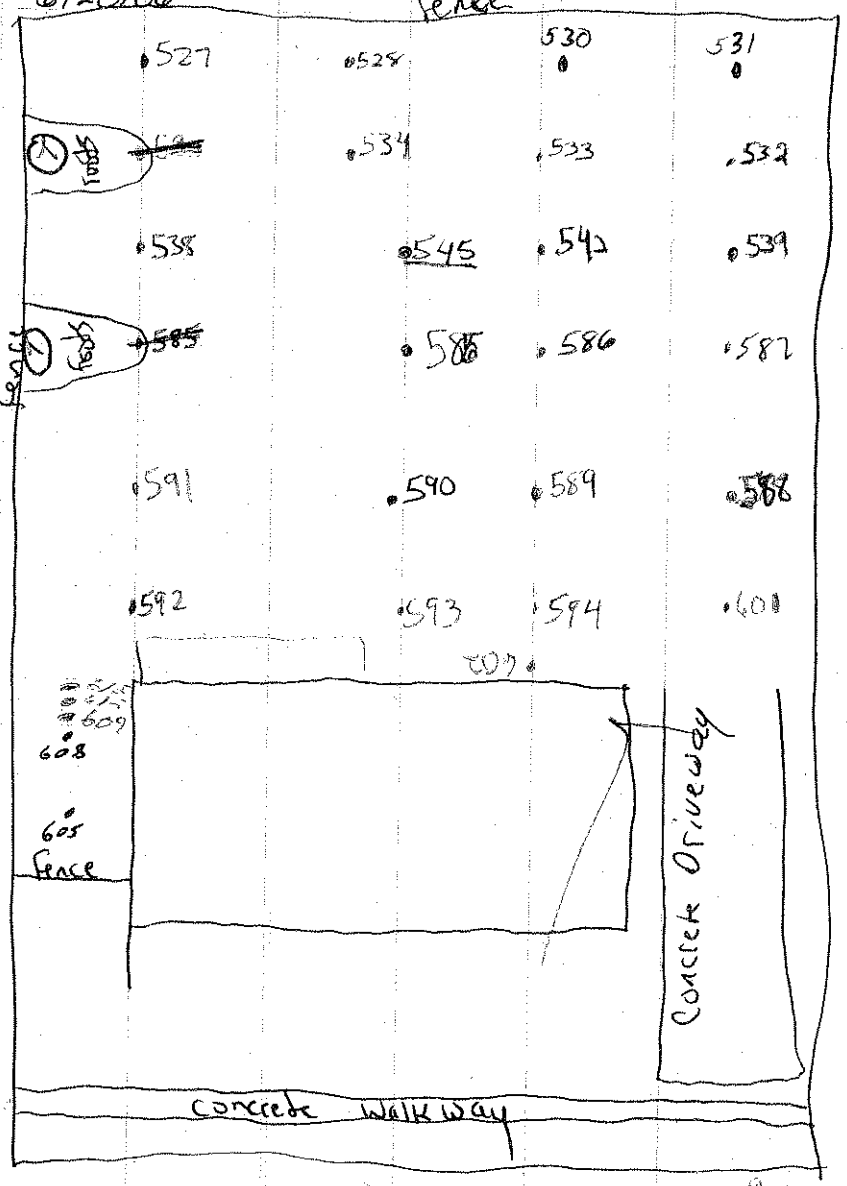
1120 Lunch

1156 Returned from lunch.

1230 CMC Hurt is operating the trackhoe. START White & Doolittle continues to take XRF readings.

AW

6/20/06 1255 Allene Ave.



XRF LOG

Reading #	Reading (ppm)
527	216.4 ± 30.0
528	110.3 ± 23.8
530	55.9 ± 19.4
531	129.8 ± 25.0
532	20.6 ± 13.3
533	56.4 ± 17.9
534	235.2 ± 29.5
535	~~90.6 ± 19.3~~
538	90.6 ± 19.3 ~~58.5 ± 19.8~~
539	58.5 ± 19.8
542	173.1 ± 30.6
545	248.1 ± 32.3

1326 START White & Doolittle continue to take readings. (See XRF table on page 91)

1419 CMC Hollingsworth enters the backyard.

1456 CMC uses water to keep dust down. The data RAM readings are higher than normal.

1539 START Doolittle continues to take readings.

1612 START White leaves the backyard.

1614 START White reenters the backyard.

6/20/06

1330 EPA Jardine requests for START team to come to 707 Erin Ave. Upon arrival, EPA Jardine and CMC Hollingsworth are met on the steps of 707 Erin Ave. EPA Jardine requests that START team perform sampling on the following residences.

703 Erin Ave	1259 Allene Ave
707 Erin Ave	1263 Allene Ave
713 Erin Ave.	1272 Allene Ave
727 Erin Ave.	1276 Allene Ave
731 Erin Ave.	1283 Allene Ave
741 Erin Ave.	

1350 START Doolittle departs site to prepare items for sampling event. A 5-point composite sample will be taken from the frontyard and a 5-point composite sample will be taken from the backyard. EPA Jardine has requested that a shovel be used to advance the holes. Then, a spoon be used to dress the holes, and another sterile spoon be used to collect the sample. START will sample accordingly. Weather is hot & sunny.

6/21/06

0659 START White arrives on Erin Ave. to meet with START Doolittle.

0710 START White & Doolittle begin to Calibrate the XRF.

Reading #	Standard	Reading (ppm)
548	Low	23.9 ± 8.1
549	Med	1097 ± 37
550	High	4544 ± 86

0743 While on Erin Ave. resident Marie Merritt (713 Erin Ave) exited her house. She stated that she never received a letter from anyone that notified her of any results from samples taken approx. 1½ to 2 years earlier. She also said that she does not want anything ~~further to~~ else done with her yard until she receives results.

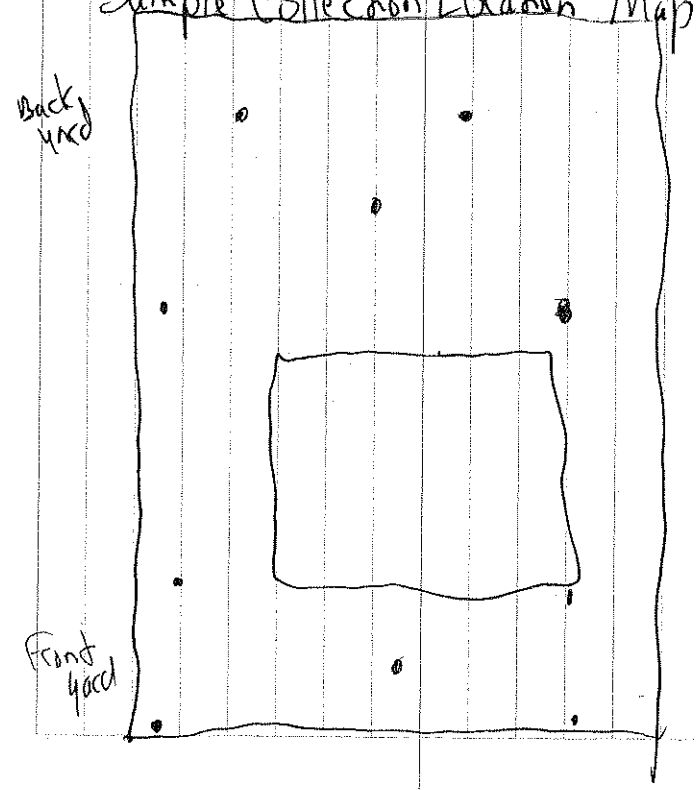
~~0810 START Doolittle will re calibrate the XRF. The Low Standard reading is not within range.~~

Reading #	Standard	Reading (ppm)
	Low	
	Med	
	High	

6/21/06

0824 START White & Doolittle begin to collect samples from 703 Erin Ave. START Doolittle will advance the holes using a shovel, while START White will dress the holes using a spoon. A 5-point composite will be taken from the frontyard and the Backyard.

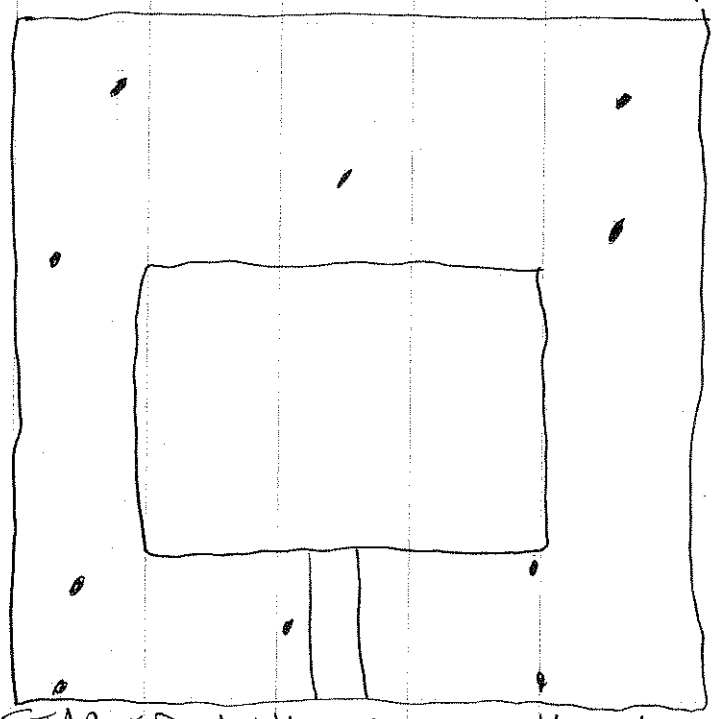
Sample Collection Location Map



6/21/04

0840 START White collects sample for frontyard & START Doolittle will collect sample for backyard.

707 Erin Ave. Collection Location Map



0905 START Doolittle advances the holes with a shovel, while START White dresses the holes with a spoon.

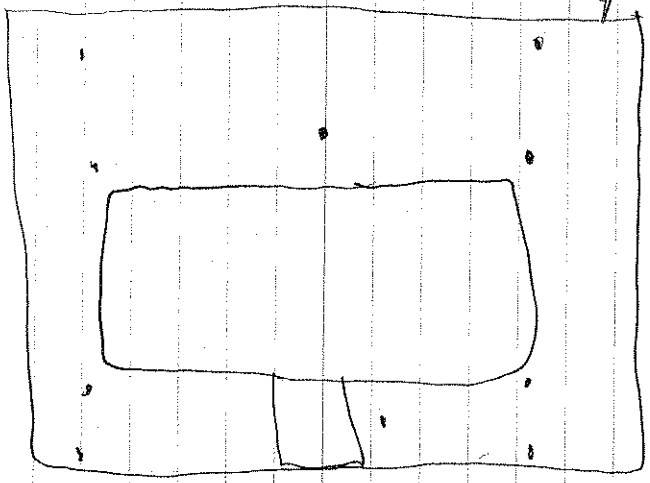
0920 START White will collect the frontyard sample & START Doolittle will collect the

6/21/04

backyard sample.

1005 START White & Doolittle arrive at 727 Erin Ave. START White knocks on the door and a child answers. He called his father on the phone and the father stated that he wanted to speak with START White. His name is Kenneth Millan. He said that he was a tenant and that he was aware of all of the activities and that it was OK to proceed.

727 Erin Ave. Collection Location Map



1040 START White will collect the backyard sample, while START ~~White &~~ Doolittle collects backyard sample.

AW

6/21/04

1050 START arrives at 731 Erin Ave. The resident is in the house, but he refuses to answer the door. The occupant from 727 Erin Ave. stated that the gentleman that resides at 731 Erin Ave. will not answer the door when he does not want to be bothered. START White decides to consult with EPA Jardine. EPA Jardine does not answer his phone, so START White decides to skip this property until further notice.

1053 START White checks on CMC team. They are laying sod at 786 & 790 Hartford Pl.

1059 START White's assistance is not needed, so she returns to Erin Ave. START White will now sample 741 Erin Ave.

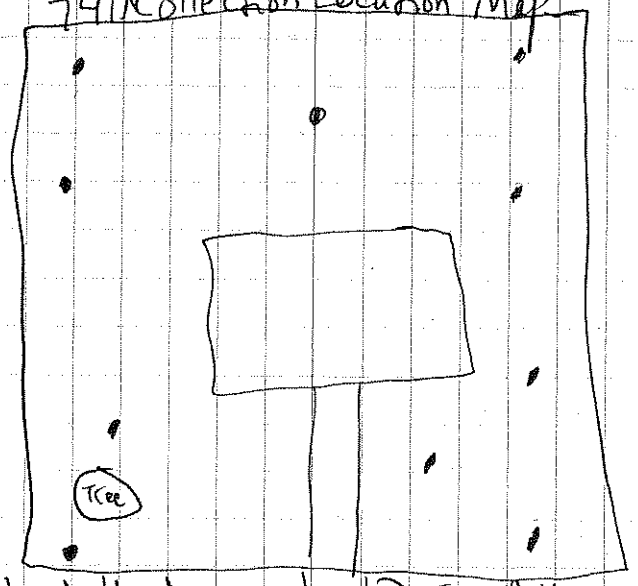
START White will collect sample from front yard, while START Doolittle collects sample from backyard.

1140 START arrives at 1259 Allene Ave. The resident from 1255 Allene Ave.

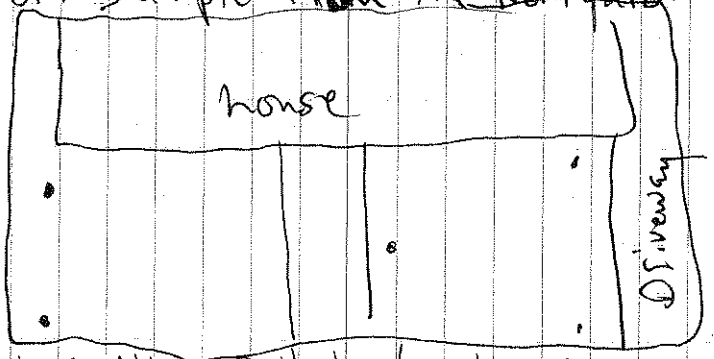
AW

6/21/04 Erin

741 Collection Location Map



Cont'd ~~with~~ walked over to 1259 Allene to ask them to please take the dog inside. START will collect 15-point composite soil sample from the frontyard.



1259 Allene Collection Location Map

6/21/06

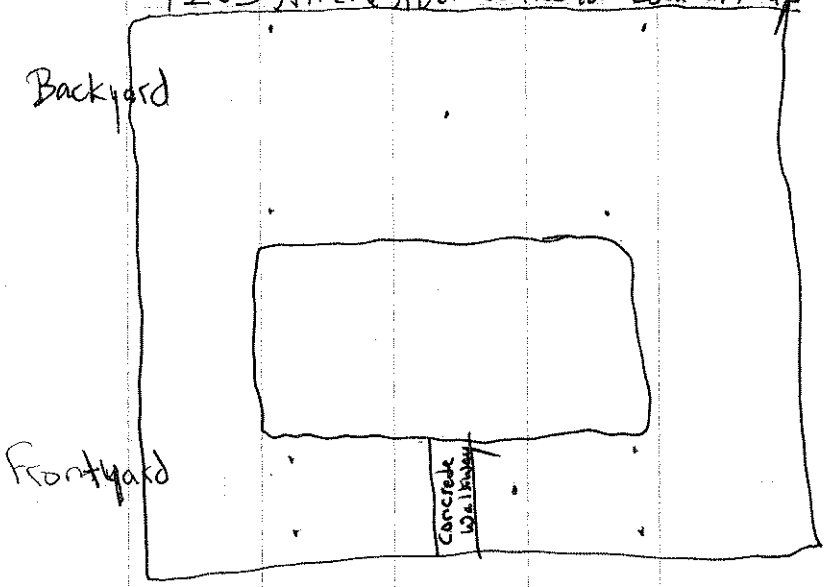
1150 START Doolittle will advance the holes while START White Collects the soil, after dressing the hole.

1220 START break for lunch.

1305 START return from lunch.

1330 START arrive at 1283 Allene Ave. to collect soil sample. 2, 5-point composites will be taken. START White will collect the sample from the front yard, while START Doolittle collects sample from backyard.

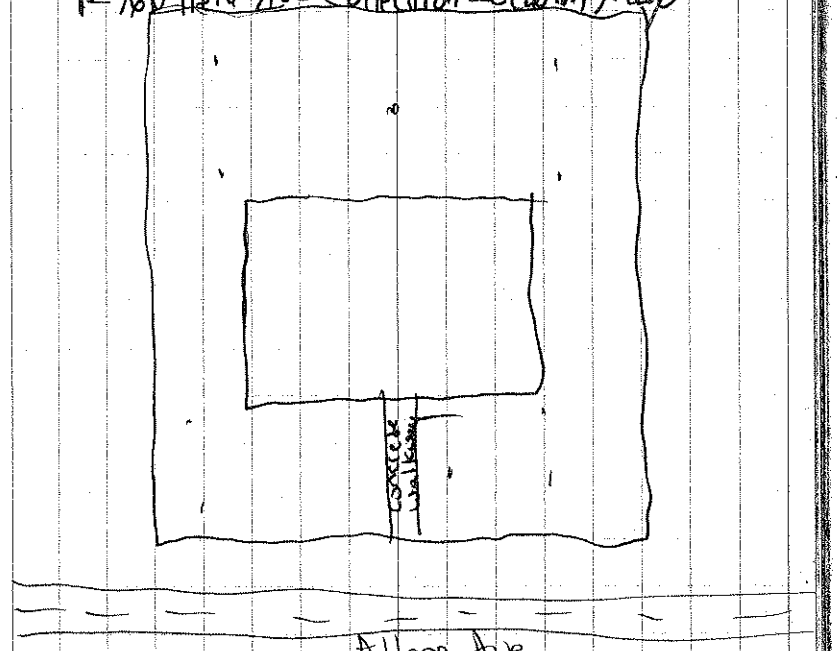
1283 Allene Ave. Collection Location Map



6/21/02

1408 START team arrives at 1276 Allene Ave. to collect 2, 5-point soil samples. START White will collect frontyard sample, while START Doolittle collects backyard sample

1276 Allene Ave Collection Location Map

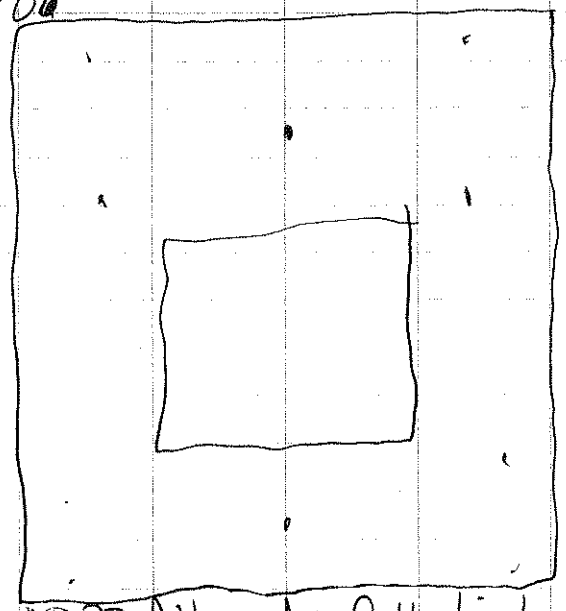


1515 Samples collected for 1276 Allene.

1516 START team arrives at 1276 Allene. 2, 5-point composite samples will be taken.

AW

6/21/06



1272 Allene Ave Collection Location Map.

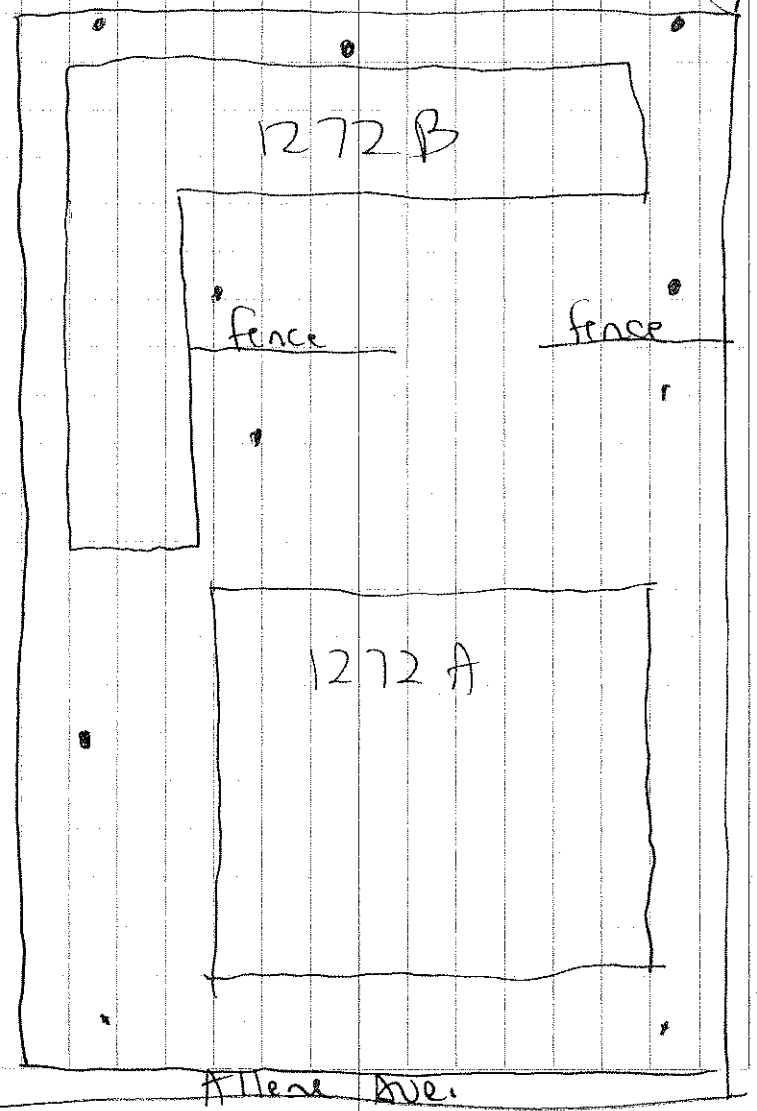
START White will collect frontyard sample, while START Doolittle collects backyard sample.

1540 Upon entering the backyard, START team discovers that two houses occupy the property. One has 1272A & the other has 1272B written on it. Because the houses share the property, The 1st house will be treated as the front yard, & the 2nd house will be treated as the backyard.

DW

6/21/06

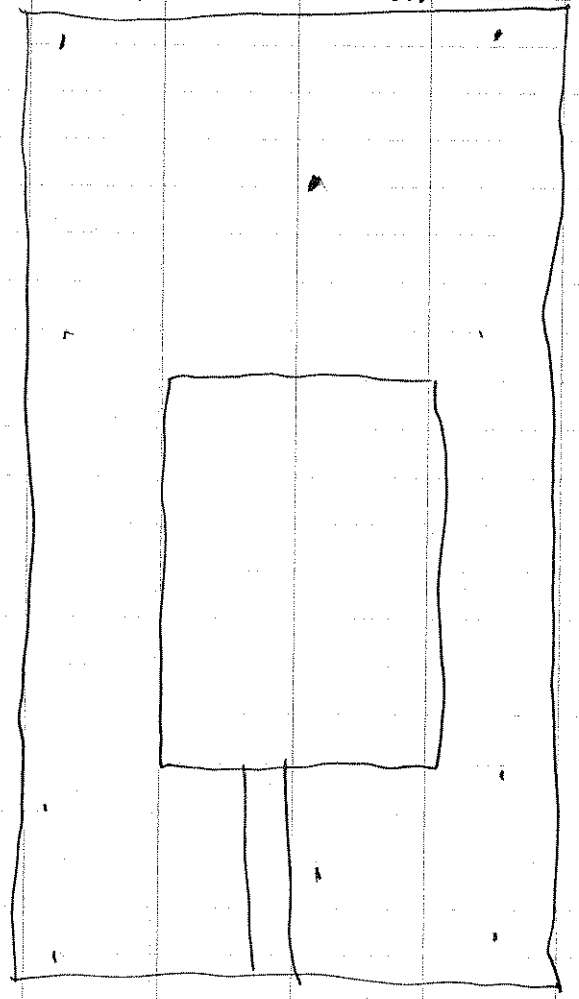
1272 Allene Ave Collection Location Map



6/31/06

1610 START arrives at 1276 Allene. 25-point composite sample will be taken.

1276 Allene Ave Collection Location Map



START White will collect the front yard sample, while START Doolittle collects backyard sample.

1655 START arrives at Great Dane Trailer property. A ditch runs behind the property and it will be sampled. Once behind the property, START notices the 3 drums that are present in the ditch. XRF screening is done. High levels of Pb & As are found.

Reading #	Lead (ppm)	As (ppm)
553	5951 ± 121	
554	1482 ± 87	1396 ± 62.2
555	1362 ± 90	
556	482,400 ± 5500	28,600 ± 3,800
557	1,200,000 ± 0	91,600 ± 9,600
558	215,300 ± 4,600	16,800 ± 3,300
1759 559	1694 ± 148	3239 ± 110.6

1811 START exits the property. START White phones EPA Jardine. A message is left. START calls EPA Jardine again (app 15 min. later). START White informs him of the high concentrations of Pb + As. EPA Jardine states

6/21/04

Cont'd that he would like the following samples taken:

TCLP (As)
TCLP (Pb)
Total Metals
PCB
- Total Volatiles
- Total Semi-Volatiles

~~1815~~ ~~STA~~ DW
~~1810~~

1805 START White & Doolittle are approached by a gentleman who states that the apartment complex is his property and he wanted to know why we were on his property. START White explained that we they were sampling the ditch behind Great Dane Trailers. He stated that it was OK for us to park on his property. He also stated that he try not to notice the contamination.

1820 START White & Doolittle reenter the ditch to collect samples &

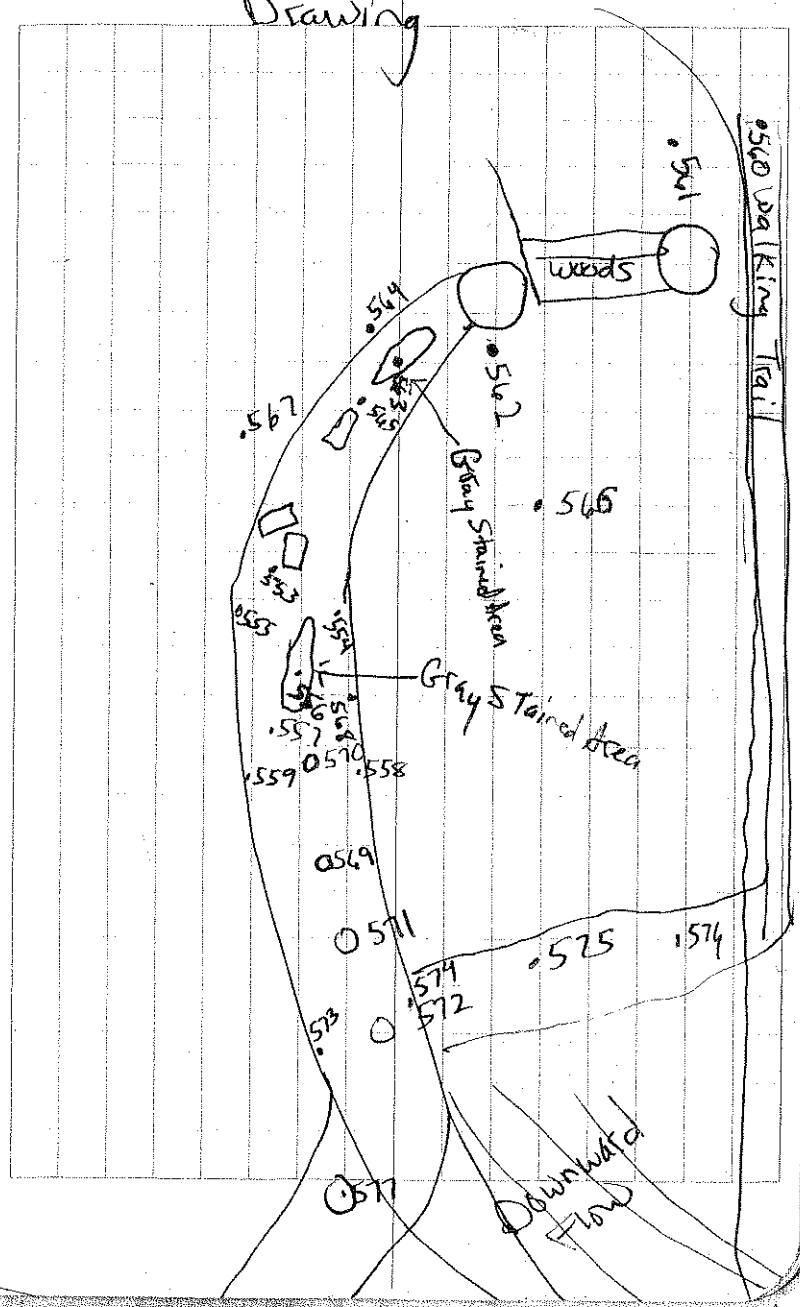
Conduct additional Screening:

XRF Reading #		As (ppm)	Pb (ppm)
560		33.4 ± 22.0	~~22~~ 342.1 ± 31
561		~~272.1~~	~~27.5~~ 272.1 ± 32.5
562		~~118,000 ± 7500~~	1501 ± 54
563	118,000 ± 7500	~~118,000 ± 7500~~	1,600,000 ± 0
564		91.2 ± 57.8	2437 ± 84
565	830.2 ± 195	~~121.2 830.2 ± 195.0~~	24,000 ± 300
567		~~121.2 ± 37.6~~	~~1478~~ ± 38
568		1710 ± 216	20,200 ± 300
569		2439 ± 620	69,500 ± 900
570		59,900 ± 5300	931,700 ± 75000
571		1847 ± 283	31,000 ± 400
572		1056 ± 270	30,100 ± 400
573		165.1 ± 58.2	1496 ± 81
574		2695 ± 295	30,300 ± 400
575		119.1 ± 40.2	581.0 ± 53.6
576		98.1 ± 37.7	642.5 ± 51.4
577		74.8 ± 45.1	920.4 ± 63.8
566		121.2 ± 37.6	1348 ± 53.6

6/21/04 Photo Log

Date	Taken By	Direction	Description
6/21/04	MW	W	Embankment
		W	"
		W	"
		SW	Gray Area in Ditch
		N	Drums
		S	"
		S	"
		SE	Label on Drum

Drawing



0850 START Doolittle + White prepare to leave site. All samples have been collected. Weather is hot.

6/22/06

0700 START White arrives at Ezell Trucking Co. to attend health + safety meeting.

0723 START White arrives at 1255 Allen Ave. Begins to Calibrate XRF

Reading #	Standard	Reading (ppm)
582	Low	
583	Med	
584	Hi	

0800 START White enters the backyard + begins taking confirmation readings. (See page 70 for drawing)

XRF Reading #	Reading (ppm)
585	81.7 ± 20.6
586	63.0 ± 19.9
587	81.1 ± 16.4
588	159.4 ± 25.4
589	97.2 ± 22.2
590	77.8 ± 20.1
591	117.3 ± 23.0
592	56.8 ± 18.1
593	90.7 ± 17.6
594	95.9 ± 23.7

JMO

XRF Reading #	Reading (ppm)
601	189.1 ± 29.8
602	64.8 ± 17.9
605	208.4 ± 26.0

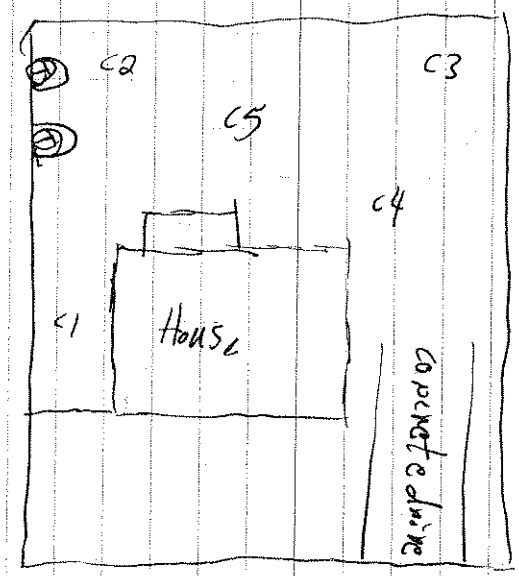
1000 START Doolittle arrives onsite.
1117 EPA Jardine + Rosen arrive on-site. START is informed that EPA Rosen will be taking over the site from this point on. Everyone is introduced.
1200 START Break for lunch.
1222 START return from lunch.
1240 START Doolittle + White enter the backyard.

XRF Readings

Reading #	Reading (ppm)
~~608~~	~~251.0 ± 25.3~~
608	251.0 ± 25.3
609	316.1 ± 25.1
~~611~~ 610	104.4 ± 18.8
613	69.3 ± 16.0
615 (composite sample)	356.0 ± 21.7

JMO

1530 START Doolittle collects five-point composite soil sample ~~[illegible]~~ from backyard.
1545 START Doolittle bags soil sample ESB-1255-A1.



(T) = Tree
C" = Composite sample

JMO

Thursday
06-22-06 JMD

1555 CMC unloads dump-truck load of clean dirt.
1605 CMC Haggerty begins moving dirt with dozer.
1607 Weather is overcast. Thunder can be heard occassionally.
1610 CMC Hurt and Haggerty work in tandem spreading dirt on side of house.
~~1755~~ 1635 CMC begins to load equipment. It's beginning to rain.
1710 START Doolittle off-site

JMD

06-23-06 Friday Mark Doolittle
0700 START arrives at Ezell trucking to attend health and safety meeting.
0715 CMC begins moving equipment on-site.
0745 START Doolittle arrives at 1255 Allene Ave to perform oversight and documentation duties.
0750 CMC Hurt is spreading clean dirt on south side of backyard.

Photo log

Time	#	Taken by	Direction	Desc.
0810	1	JMD	W	CMC Hurt backfilling dirt at 1255 Allene
0847	2	JMD	N	CMC inspects sprinklers at 790 Hartford
0940	3	JMD	W	1255 Allene st
0945	4	JMD	W	1257 Allene st
1407	5	JMD	W-SW	CMC Hurt and Haggerty backfill yard at 1255 Allene
1410	6	JMD	N	CMC employee replacing fence at 790 Hartford

JMD

Friday
06-23-06

JMO

JMO

0820 CMC employees adjust sprinklers located on 790 Hartford

0950 Councilwoman Joyce M. Shepard (Atlanta City council) arrives on-scene. Mrs. Shepard says that community members have expressed concerns about soil removal activities at a community meeting. A community citizen called Mrs. Shepard this morning to alert her of CMC's presence. Mrs. Shepard has come to investigate the construction. START Doolittle gives Mrs. Shepard the contact information for ~~Mrs. Shepard~~ JMO OSC Bob Rosenand explains to her that access agreements have been signed to allow us on the property. Mrs. Shepard enters 1255 Allene St to speak with the owners.

~~1100~~ START Doolittle calibrates

JMO

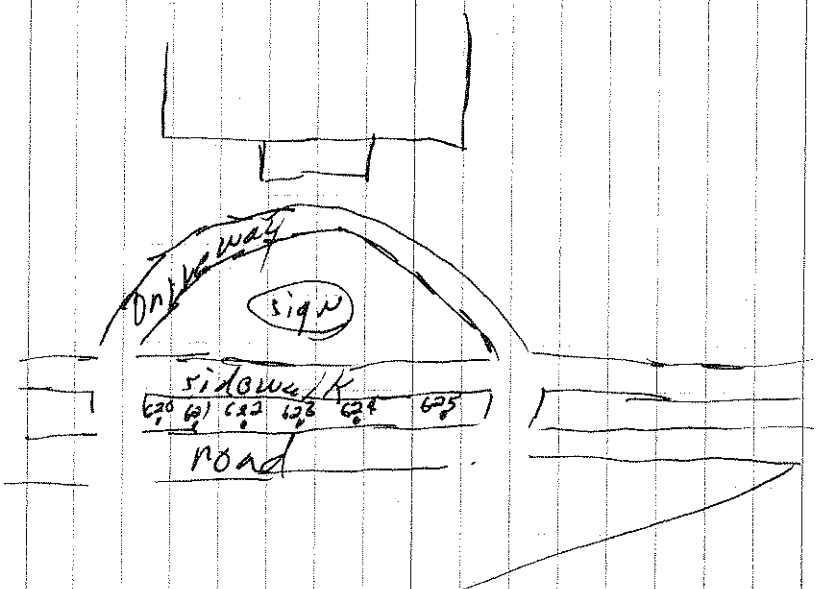
JMO

Friday
06-23-06

XRF.

XRF Reading #		Pb Concentration
617	Low	22.3 ± 7.0
618	Med	1103 ± 33.0
619	High	3587 ± 70.0

1125 At the request of CMC, START Doolittle screens frontyard of daycare center.



JMO

Friday
06-23-06

JMD

XRF Reading #	Pb Conc. (ppm)
620	1195 ± 51
621	1120 ± 53
622	1735 ± 70
623	834.2 ± 45.3
624	541.9 ± 36.5
625	~~JMD 335 ±~~ 335.6 ± 24.9

1250 CMC continues backfilling backyard at 1255 Allene Ave.

1405 CMC is replacing the fence they took down to excavate 790 Hartford.

~~1415 1425~~ JMD CMC Hart excavates around front driveway of 790 Hartford.

~~1245~~ JMD CMC Haggerty evens out backyard with dozer.

1705 CMC begins to load equipment. START Doolittle off-site.

JMD

06-24-06
~~JMD 06-23-06~~ Saturday Mark Doolittle

0700 START Doolittle arrives at Ezell trucking to attend health and safety meeting.

0725 START Doolittle arrives at 1243 Allene Ave. Weather is 70°F with clear skies. START Doolittle calibrates XRF.

Reading #	Pb Conc. (ppm)
628 Low	19.9 ± 7.3
629 Med	1069 ± 36
630 High	4212 ± 77

0730 CMC begins excavating front yard of 1243 Allene.

Reading #	Pb Conc. (ppm)
634	165.5 ± 25.1
638	218.5 ± 29.9
640	271.7 ± 29.8
641	131.2 ± 20.2
642	284.8 ± 27.0
643	94.8 ± ~~17.8~~ JMD 17.4
645	260.2 ± 29.7
646	211.6 ± 27.2
647	45.3 ± ~~15.5~~ JMD 15.4

JMD

Saturday
06-24-06

JMD

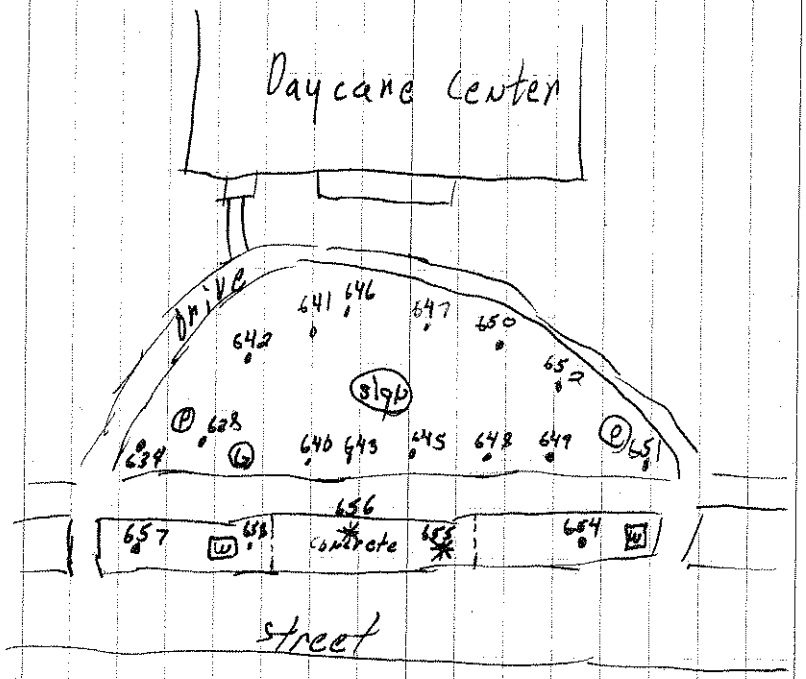
Reading #	Pb CONC. (ppm)
648	63.5 ± 15.4
649	85.6 ± 20.6
650	207.3 ± 27.5
651 ~~652~~	145.2 ± 22.0
652 ~~651~~ JMD	35.1 ± 14.8
654	61.4 ± 16.4
*655	1039 ± 56
*656	790.5 ± 46.5
657	26.0 ± 12.3
658	46.9 ± 14.4
660 (5-point composite)	90.0 ± 16.8

JMD

JMD

Saturday
06-24-06

1243 Allene Ave.



--- = From this point back is concrete, unable to dig further. #655 shows the conc at this depth. All readings marked "*" are hot.

JMD ~~Lot~~ [W] = Water Main (P) = Post

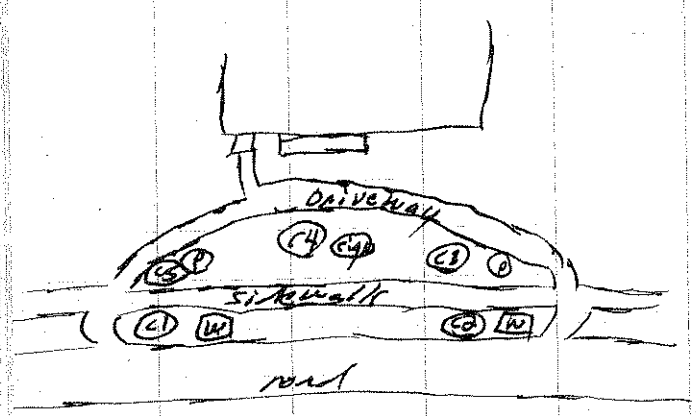
JMD

Saturday
06-24-06

JMD

1025 CMC is unable to dig a greater depth on the soil located to the east of the sidewalk because concrete is mixed in with the dirt. This is noted on the map on the previous page. This area had Pb concentrations above 350 ppm.

1110 START Doolittle takes 5-point composite of the front portion of 1243 Allene Ave as follows.



W = water main P = Post

C"" = Composite sample #

- XRF reading for composite sample is:

XRF #	Pb conc.
660	98.0 ± 16.8

- Sample is labeled EsB-1243A1 and was collected at 1120 by START Doolittle.

Saturday
06-24-06

JMD

1115 CMC begins backfilling 1243 Allene.
1310 CMC loads equipment. START Doolittle off-site.

JMD

June 26, 2006 Monday Mark Bolitte

0700 START Bolitte attends health and safety meeting at Ezell Trucking. Weather is 65-70°F with cloudy skies.

0725 It begins to rain.

0900 The rain continues to fall and is expected to rain off and on all day. Therefore, CMC decides not to perform any activities today. START Bolitte off-site.

Two

Tuesday June 27, 2006

1000 START White arrives onsite at 1255 Allene Ave. CMC team is laying sod in the backyard

1030 START White calibrates the XRF.

Reading #	Standards	Reading (ppm)
662	Low	14.9 ± 7.9
663	Med	1104 ± 46
664	Hi	4168 ± 87

1128 Lunch

1150 Returned from lunch

1204 CMC begins excavation in the front yard of 1255 Allene Ave.

1211 START White begins taking XRF readings

Reading #	Reading (ppm)
668	246.2 ± 36.4
670	61.1 ± 21.1
671	279.1 ± 41.2
673	106.7 ± 23.1
676	199.8 ± 31.3 ~~68.2 ± 18.2~~ AW
679	68.2 ± 18.2 ~~18.5 ± 11.6~~ AW
684	18.5 ± 11.6 ~~58.1 ± 17.6~~
685	58.1 ± 17.6
688	<LOD = 20.5
690	38.5 ± 15.8

AW

Tuesday June 27, 2006

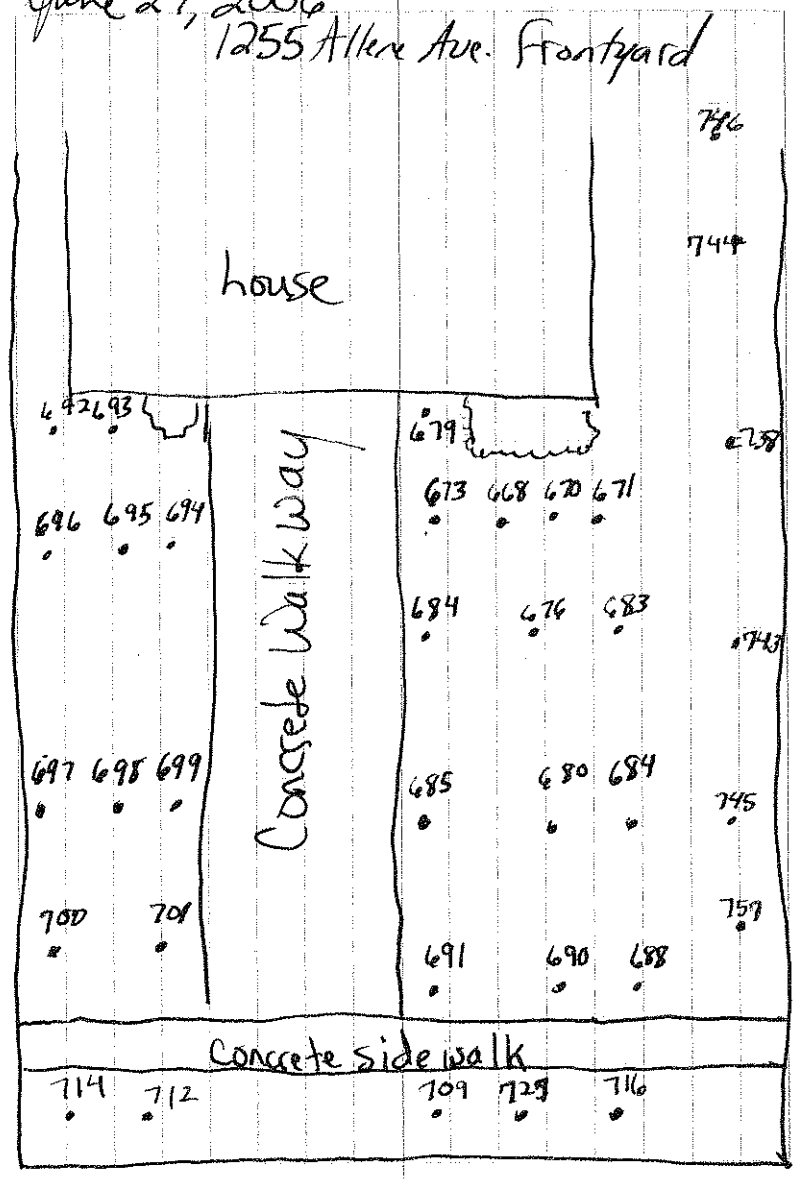
XRF Reading (ppm)	Reading (ppm)
691	70.9 ± 19.9
692	32.3 ± 13.4
693	42.9 ± 15.1
694	~~1115~~ 1150 ± 18.4
695	23.8 ± 14.3
696	48.0 ± 14.5
697	99.5 ± 22.5
698	97.3 ± 22.1
699	< LOD = 19.0
700	67.8 ± 18.6
701	162.0 ± 23.5

1412 START White continues to take XRF Confirmation readings. CMC Hollingsworth is on the trackhoe.

1549 START White continues to take XRF Confirmation samples.

1739 START White departs from site. Weather is sunny, hot.

June 27, 2006
1255 Allen Ave. Frontyard



~~Thursday~~ Wednesday June 28, 2006

0700 START White arrives on site at Ezell Trucking, CO.

0748 START White arrives at 1255 Allene Ave.

0800 START White Calibrates the XRF.

Reading #	Standard	Reading (ppm)
706	Low	21.1 ± 8.3
707	Med	1160 ± 37
708	High	4425 ± 93

0809 CMC continues to excavate the front yard of 1255 Allene Ave. CMC Hollingsworth is on the excavator. START White will take XRF Confirmation readings.

Reading #	Reading (ppm)
709	130.9 ± 24.0
712	211.6 ± 28.8
714	164.6 ± 32.5
725	187.0 ± 10.6
738	230.8 ± 29.4
743	168.1 ± 31.6
744	26.5 ± 13.9
745	64.5 ± 18.4
746	49.2 ± 18.5

AW

Cont'd

Reading #	Reading (ppm)
757	61.4 ± 18.7

1100 START White continues to screen property while CMC excavates.

1250 ~~CMC backfills front yard~~

Thursday June 29, 2006

0712 START White arrives at Ezell Trucking Co. to attend health & Safety meeting

0740 START White arrives at 1255 Allene Ave. START White goes over to 786 Hartford Pl to meet CMC. CMC is caring for the lawn at 786 & 790 Hartford Pl.

1008 CMC & START White travel to 1259 Allene. CMC Hollingsworth speaks with resident.

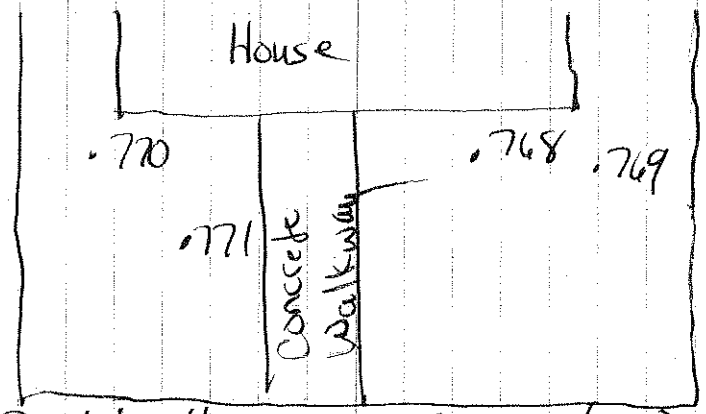
1029 CMC begins to remove fence START White calibrates the XRF.

Reading #	Standard	Reading (ppm)
764	Low	36.9±13.6
766	Med	1122±59
767	High	4568±135

1031 CMC Hollingsworth requests that START White take additional confirmation readings at 1259 Allene Ave. START White takes readings.

Thursday June 29, 2006

1259 Allene Ave. Drawing for Additional XRF Confirmation



Reading #	Reading (ppm)
768	533.2±44.1
769	1050±59
770	556.2±49.7
771	497.3±49.7

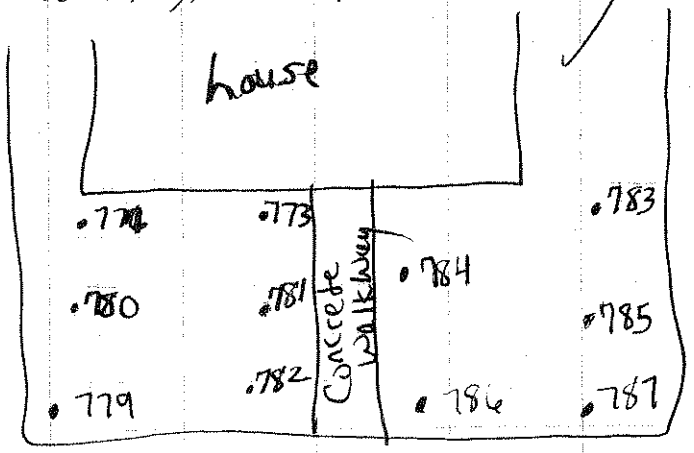
note: It is determined that the entire front yard should be removed due to readings that exceed the 350 limit that has been set by OSC Jardine.

1142 START White takes pictures.

1210 CMC begins to excavate front yard START White provides assistance by screening Property with the XRF.

Thursday June 29, 2006

1259 Allere Field Drawing



XRF Reading #	Reading (ppm)
773	288.0 ± 35.2
777	102.0 ± 22.7
779	77.4 ± 19.4
780	53.6 ± 18.1
781	165.0 ± 29.8
782	88.3 ± 16.2
783	148.0 ± 26.1
784	174.8 ± 30.7
785	230.7 ± 33.1
786	140.6 ± 27.1
787	178.2 ± 23.4

AW

06/29/06

1350 - START White continues to check ~~SBF~~ readings to confirm that areas are clean.
- START White collects soil sample
- ESB-1259AL-SBF6, a confirmation sample.

~~07/06/05~~

06/30 - 07/06 2006

CMC will perform backfill & sod duties.

START will work from office.

07/06/05

07/07/06

0720 START White arrives on-sight.

0740 CMC begins to pack soil & lay sod at 1255 Allene Ave.

0815 START White calibrates XRF.

Reading #790 Calibrate Detector

Reading #	Standard	Reading (ppm)
791	Low	24.7 ± 8.9
792	Med	1128 ± 37
793	High	4511 ± 84

Note: CMC Hollingsworth requested that START White take additional readings of sidewalk area at 1259 Allene Ave. [1259 Allene]

Concrete sidewalk

799 798 797 [mailbox] 796 795 794

XRF Reading #	Reading (ppm)
794	325.1 ± 27.4
795	865.3 ± 43.0
796	521.8 ± 31.9
797	495.1 ± 41.6
798	394.5 ± 36.6
799	1779 ± 74

AW AW

7/7/06

1012 START White travels to TTEMI office to send documents to EPA Rosen & CMC Hollingsworth.

1230 START White returns ~~back~~ AW to site. CMC has begun digging the side walk area at 1259 Allene Ave. Contamination was detected. [1259 Allene]

Concrete Walkway

~~808~~ 808 802 [mailbox] 801 800

Reading #		Reading (ppm)	
800		72.0 ± 20.5	
801		29.9 ± 14.6	
~~861~~	Placed Wrong table	~~134.89 ± 24.3~~	AW
~~862~~		~~146.39 ± 28.87~~	AW
~~860~~		~~128.79 ± 30.18~~	AW
802		44.29 ± 27.19	
808		191.6 ± 35.03	
809		117.4 ± 20.87	

AW

(454-758
5595)

07/07/06

1245 START White arrives at 1263 Allene Ave. CMC begins to excavate contaminated soil.

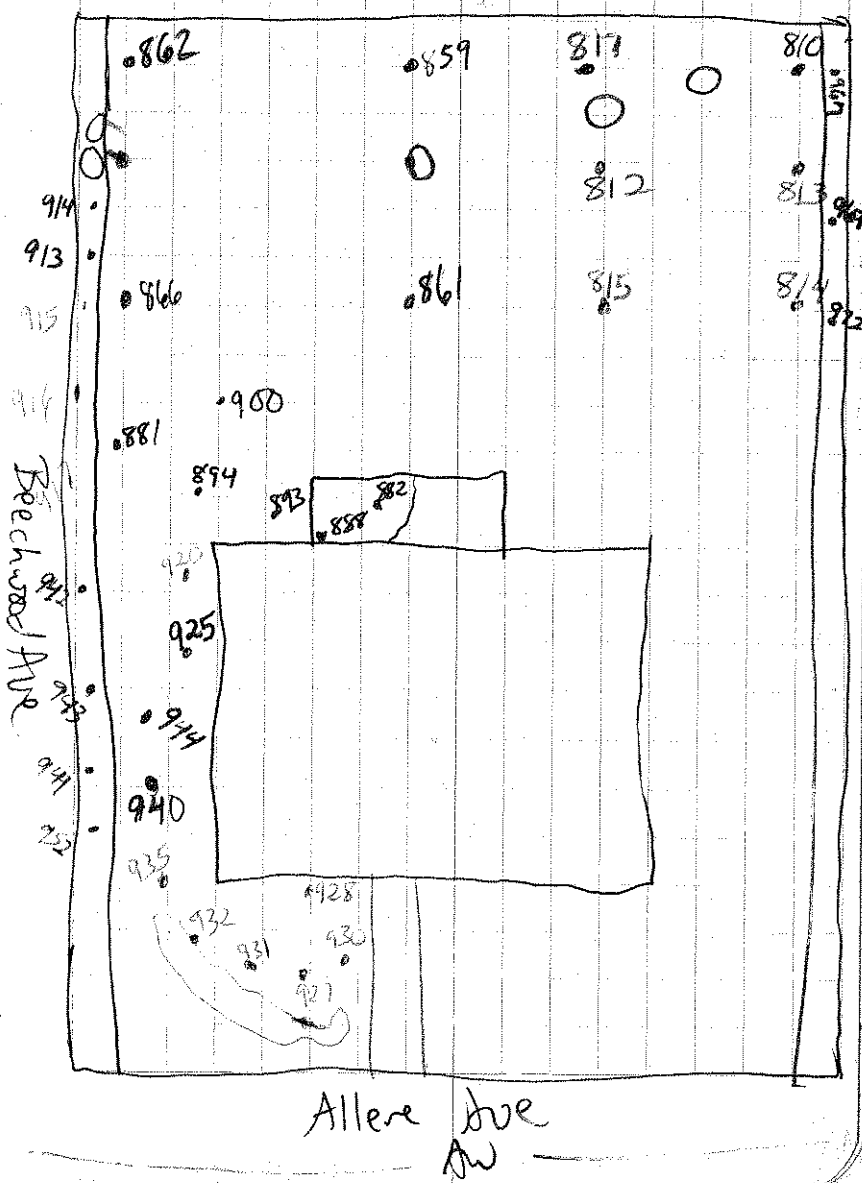
1259 Sherry Green of 789 Beechwood inquired about contamination on her property. Her property is located directly behind 1263 Allene Ave. She is worried about contamination.

1400 START White begins to take readings at 1263 Allene Ave.

XRF Reading	XRF (ppm)
810	154.2 ± 39.8
812	84.0 ± 18.3
813	below
814	84.6 ± 19.3
815	154.1 ± 25.7
817	below detection
7/8/06 - 859	257.76 ± 32.64
861	134.89 ± 24.23
862	146.39 ± 28.87
866	128.79 ± 30.18

07/07/06

1263 Allene Ave



7/7/06

1512 START & CMC prepare to leave site for today. Weather is Sunny, hot.

7/08/06

0730 START White arrives at 1263 to take pictures.

Date	Taken By	Direction	Description
7/8/06	DW	S	Sidewalk
		W	Property between
		~~W~~	1259 & 1263 Alkire
		W	Front yard of
			1263 Alkire
		W	"
		W	Plants in Front yard
		W	"
		W	"
		W	"
		S	"
		S	"

07/08/06

0819 START White Calibrates the XRF.

Calibration detector

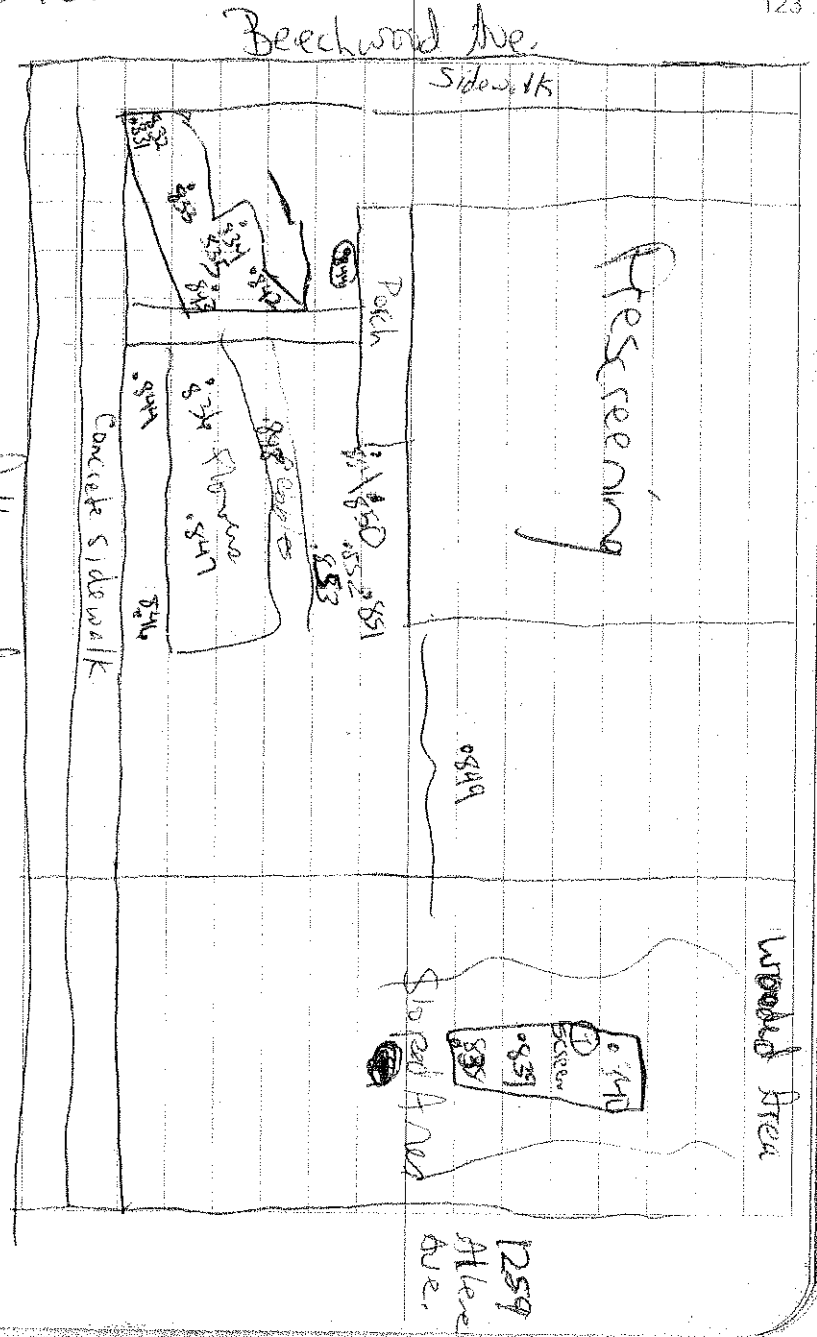
XRF Reading	Standard	Reading (ppm)
828	Low	23.4 ± 8.7
~~871~~ 1130 ± 41	Med	1130 ± 41
830	High	4517 ± 94

In-field Screening 1263 Allene

831	1177.8 ± 28.5
832	148.8 ± 30.0
833	38.4 ± 16.0
834	76.5 ± 15.5
835	below
842	21.9 ± 9.7
843	111.6 ± 25.4
844	315.8 ± 43.6
Insert 836	107.5 ± 22.3
~~844~~	AW
846	245.1 ± 36.8
847	121.7 ± 27.7
848	116.7 ± 28.1
849	35.9 ± 20.7
850	680.9 ± 73.5
851	535.8 ± 60.6

AW

07/08/06



07/08/09

XRF Reading	Reading (ppm)
852	113.3 ± 23.5
853	139.2 ± 23.4
854	474.5 ± 55.3
Insert 838	595.0 ± 62.2
839	336.0 ± 52.6
840	318.9 ± 33.3

0940 CMC & START enters backyard of 1263 to complete excavation tasks. XRF Reading are documented on page 118 & plotted on the map on page 119.

— Void Readings 867 – 875. Test readings.

1314 START & CMC prepare to depart site.

7/10/06

0700 START White arrives at Ezell Trucking Co. to attend the daily Health & Safety meeting. CMC is on-site already.

0726 START White arrives at 1263 Allene Ave.

Calibration detector # 876

XRF Reading #	Standard	Reading (ppm)
877	Low	15.3 ± 5.1
878	med	1129 ± 41
879	High	4606 ± 52

0820 START White enters the backyard of 1263 Allene Ave.

0830 CMC Adams is operating the excavator.

0900 START White tests the area underneath the 2nd floor patio. Half of this area is above the limit so it will be excavated.

1030 CMC Adams continue to excavate, while START White continues to take XRF Readings.

1117 EPA Rosen arrives, he requested that START White add another

AW

7/10/06

XRF Readings

Reading #	Reading (ppm)
881	159.7 ± 21.5
882	264.5 ± 31.4
888	229.9 ± 26.2
893	30.5 ± 12.9
894	41.2 ± 15.3
900	152.0 ± 23.6
913	33.4 ± 15.8
914	47.5 ± 17.2
915	63.4 ± 19.7
916	110.6 ± 23
917	53.3 ± 20.4
920	117.0 ± 23.0
927	26.9 ± 12.2
928	102.2 ± 28.0
930	277.5 ± 30.3
931	48.1 ± 16.7
932	Below
935	50.7 ± 16.7

AW

7/10/06

Column to the table. He also spoke with START White about compiling more information. START White was given a box of files to work with. They agreed that the work will be done by Friday.

1144 A City of Atlanta ~~worker~~ employee came by and inquired whether or not we had a permit. His name is Victor Hill. He is with the Watershed Management division.

1249 START White departs for lunch.

1259 START White returns to site.

1340 START White takes confirmation readings, while CMC starts excavate.

1446 Another portion of the fence is removed to allow better access to the southside of the property.

1532 START White continues to take readings.

1614 CMC is using water to keep down the dust. Sample ESB-PBAL-SP6 is collected.

AW

07/10/06

1715 START White departs site. Weather is hot, sunny.

AW

07/11/06

0656 START White arrives at Ezell Trucking Co. to attend the health & Safety meeting.

0738 START White arrives at 1263 Allene Ave. The XRF is calibrated.

Calibration Detector #936

XRF Reading #	Standard	Reading (ppm)
937	Low	23.5 ± 18.8
938	med	1117 ± 49
939	High	4599 ± 94

(see Page 119 for Sample Location Map)

Reading #'s	Reading (ppm)
940	20.5 ± 10.0
942	28.7 ± 14.0
943	50.0 ± 22.9
944	Below
949	30.6 ± 15.7
952	36.2 ± 16.2
967	153.83 ± 28.43
969	46.63 ± 17.51
972	27.34 ± 15.24

See map on page 119

7/11/06

0900 START White uses a DataRAM to monitor area. She will continue to take XRF reading confirmation samples.

1027 START Chuck Berry arrives on-site. He speaks with START White about the site.

1040 START White continues to take XRF confirmation samples as well as monitor the DataRAM readings.

1129 START White break for lunch.

1156 Return from lunch. Continues to monitor site for remainder of day.

Location: Atlanta, GA Date: 7/12/06

Project / Client: ESB (Exide) Fund Lead

0700 START White arrives at Ezell Trucking Co. to attend the daily health & safety meeting.

0742 START White & CMC Team arrive at 1263 Allene Ave. It is decided that CMC team will back fill the Front yard and the sidewalk area at 1263 Allene Ave. Soil sample ESB-1263AL-SBB6 collected.

0900 START White arrive at 790 Hartford Ave. Photographs will be taken for documentation

1000 START White returns to 1263 Allene Ave. CMC has completed excavation in the backyard.

1015 START White calibrates the XRF Calibration Detector # 973

XRF Reading #	Standard	Reading (ppm)
974	Low	22.1 ± 9.5
975	Med	1156 ± 37
976	High	4539 ± 89

1020 START White collects soil for Sample ESB-1263AL-SBB6. START White takes 3-XRF confirmation readings.

AW

Location: Date: 7/12/06

Project / Client:

790 Hartford Pl. Photo Log (Post excavation)

Photo #	Date	Taken By	Direction	Description
1	7/12/06	AW	S	Front of house
2			S	right side of yard
3			S	left side of yard
4			S	East entrance to back-yard
5			S	West entrance to backyard
6			E	Sidewalk area
7			S	New Driveway
8			E	"
9			N	"
10			N	"
11			S	Backyard
12			N	"
13			NE	"
14			N	Backyard - towards Hartford Pl.
15			NE	CMC Hollingsworth excavating the property between 1259 & 1263 Allene
16			E	Contaminated Soil transfer process. 1263 Allene
17			S	CMC Adams excavating

AW

Location _____ Date 7/12/06

Project / Client _____

Location _____ Date _____

Project / Client _____

6

Location _____ Date 7/12/04

Project / Client _____

1263 Allene Confirmation XRF Readings

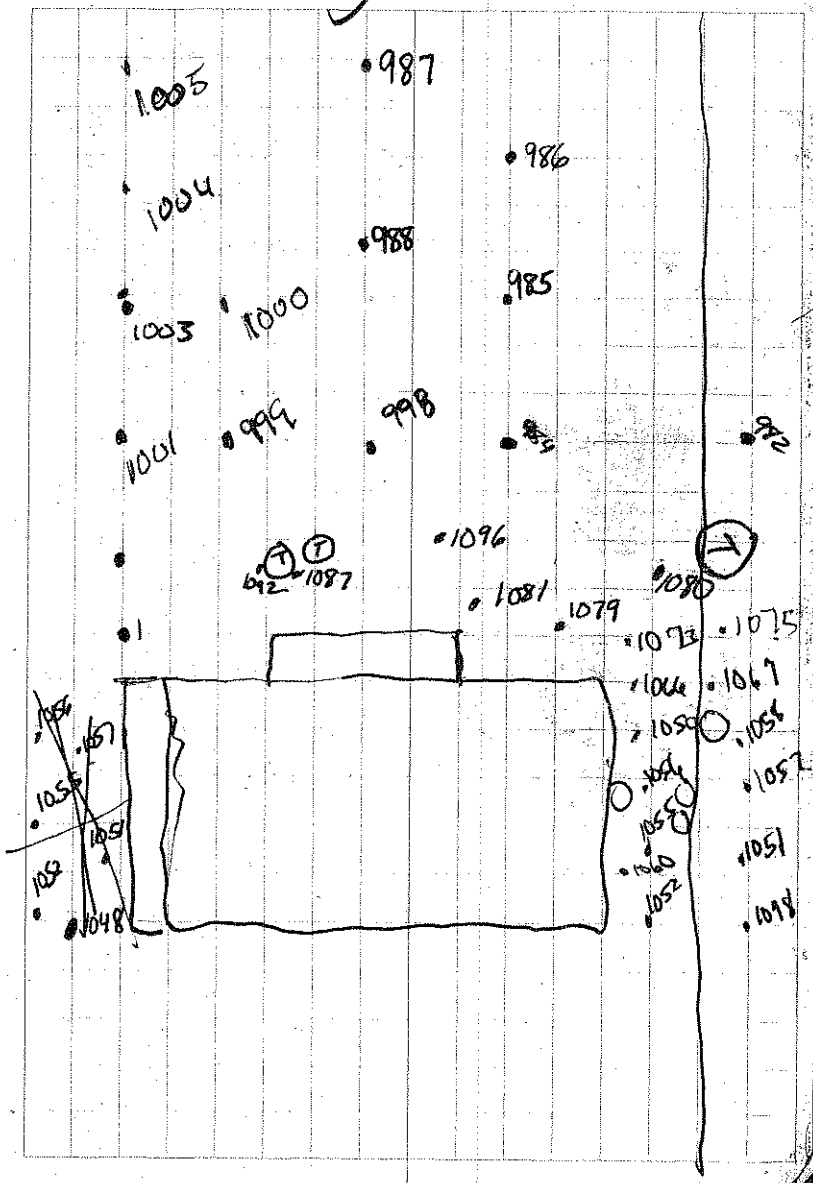
Reading #	Reading (ppm)
977	Below
980	46.5 ± 15.9
981	30.1 ± 14.6

1110 START White takes lunch break
1149 START White returns to site.
1215 START White prepares to take additional pictures.
1220 CMC Hollingsworth is operating the excavator.
1230 START Shroeder arrives onsite.
1241 START White + Shroeder take XRF locations readings.
1310 START White allows START Shroeder to take the XRF readings.
1339 CMC is still excavating contaminated soil from yard.
1417 START team continues to take XRF readings.

Location _____ Date 7/12/04

Project / Client _____

2nd Drawing (1263 Allene Ave)



Location _____ Date 7/12/06

Project / Client _____

XRF Reading #	Reading (ppm)
982	29.3 ± 14.9
984	25.1 ± 13.7
985	20.6 ± 13.3
986	302.1 ± 34.5
987	44.3 ± 14.1
988	173.0 ± 28.3

1500 START Team calibrates the XRF.

Reading #	Standards	Reading (ppm)
990	Low	Below
991	med	1103 ± 35
992	High	4660 ± 92

Because, the Calibration is OFF, the instrument will be calibrated again

Reading #	Standards	Reading (ppm)
995	Low	22.1 ± 18.3
996	Med	1141 ± 42
997	High	4542 ± 93

XRF Reading #	Reading (ppm)
998	35.8 ± 15.1
999	21.9 ± 12.1
1000	179.9 ± 27.9
1001	76.7 ± 17.1
1003	75.9 ± 23.5

Location _____ Date 7/12/06

Project / Client _____

XRF Reading #	Reading (ppm)
1004	23.8 ± 14.5
1005	80.0 ± 18.9

1549 START White & CMC departs site. Weather is hot, sunny, 89°F.

Location _____ Date 7/13/06

Project / Client _____

0654 START White arrives at Ezell Trucking Co. to attend health & Safety meeting.

0737 START White travels to store to meet START Cross.

0754 START White & Cross (team) stop at 713 Erin Ave. to speak with Ms. Merritt. Ms Merritt stated that she will allow us to sample her property, provided that she can be there to watch.

0815 START White is approached by the resident from 721 Erin. She states that her name is Sharon and she wanted results from her property. START White will check on her past results & get back with her. START White has also left information packets with the residents from 713 & 721 Erin Ave.

0900 START White calibrates the XRF.

Location _____ Date 7/13/06

Project / Client _____

cont'd Calibration detector # 1006

XRF Reading	Standards	Reading (ppm)
1007	Low	23.9 ± 8.7
1008	Med	1116 ± 40
1009	High	4564 ± 91

1010 START team arrives at 1263 Allene Ave. CMC & Star Construction Co. is onsite. Star Construction is removing trees from the residence. START monitor activities.

1230 Star Construction cuts a tree at 1283 Allene Ave.

1355 START break for lunch.

1420 START return to 1263 Allene.

1500 START arrive at 790 Hartford St. to take pictures of property.

~~1536~~ 1530 START White arrives at 1243 Allene to take pictures.

1604 START arrives at 1255 Allene to take photos.

12

Location

Date 7/13/06

Project / Client

Photo #	Date	Taken By	Direction	Description
18	7/13/06	AW	S	790 Hartford
19			E	Front yard 790
20			S	Front Excavated (HAY USE)
21			S	Driveway 790 Post Exc.
22			S	790 Back yard Driveway
23			S	790 Back yard
24			N	790 Back yard
25			W	1243 Allene Front
26			NW	1243 Allene Right Corner
27			W	" Right side Front
28			SW	" Front
29			E	" Front of 1243 Allene
30			W	1255 Allene Front yard
31			S	1255 Allene Sidewalk
32			W	" (left side of front)
33			W	" (Right side of front)
34			W	" Drive towards Back yd.
35			W	" Back yard
36			E	" South Side of House
37			SW	" Back Yard Tree
38			N	" Monkey Grass
39			W	1259 Allene Front yd.
40			W	" Front Yard Right
			W	" Front yd. Left

Location

Date 7/13/06

Project / Client

PHOTO #	DATE	TAKEN By	Direction	Description
41	7-13-06	AW	N	1259 Allene Side walk
42	7-13-06		W	1283 ALLENE

Location _____ Date 7/14/06

Project / Client _____

0700 START CROSS on site along w/CMC. Workers had safety meeting the mobilized equipment to 1263 Allene to begin backfilling property. No sod will be put down after backfilling because owner requested to have mulch.

0945 EPA Representative on site to check on job progress spoke about access agreements for properties on Allene Ave.

1015 Backfilling continues.

1130 Lunch

Crew continues backfilling throughout shift w/no incidents.

1730 off site.

Location _____ Date 7/14/06

Project / Client _____

Location

Project / Client

Date 7/15/06

0650 START arrives on site attends health and safety meeting

0710 Arrived at 1239 Allene and started excavation.

0820 Calibration of detector #1014

XRF Reading	Standard	Reading (PPm)
1015	Low	23.8 ± 8.3
1016	med	~~1014~~ 1121 ± 41
1017	High	4327 ± 88

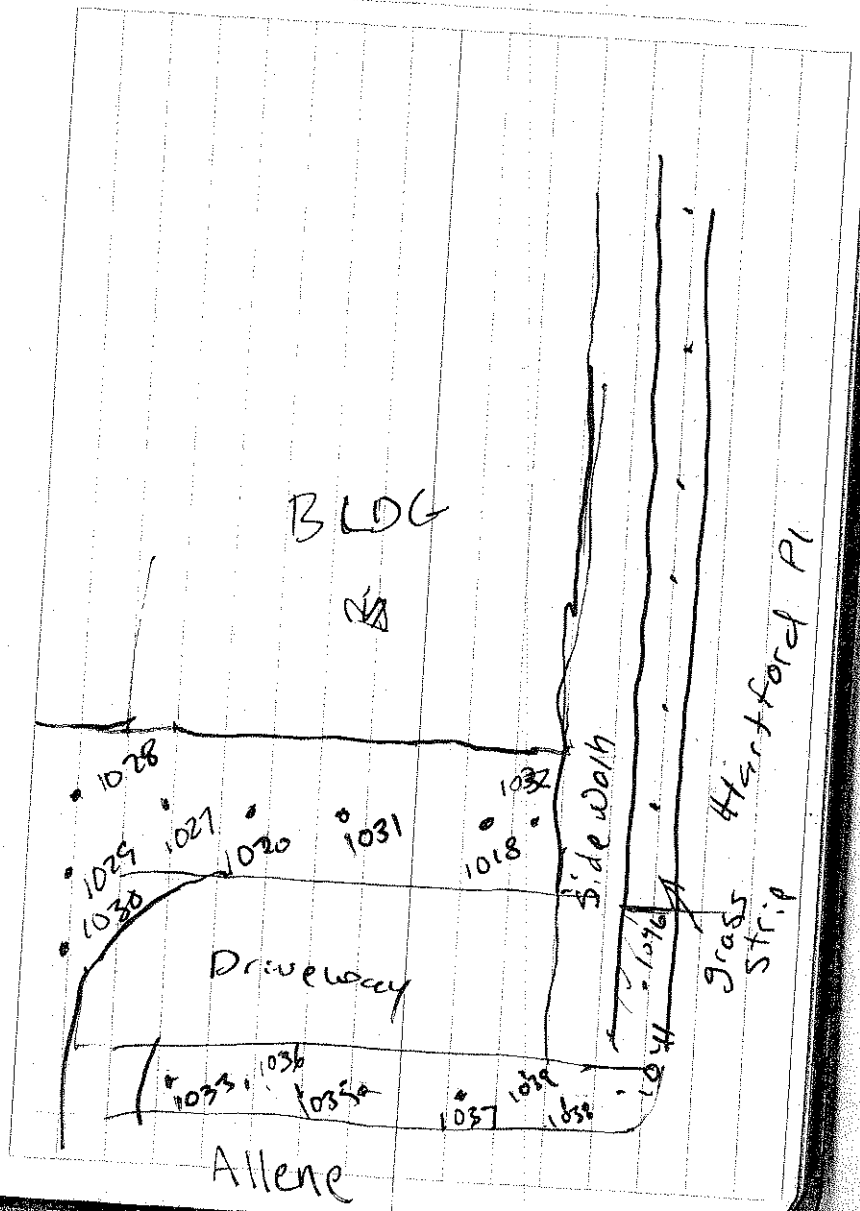
1239 Allene XRF Confirmation readings

XRF Reading #	Reading (PPm)
1018	28.9 ± 13.7
1020	28.1 ± 11.3
1027	47.0 ± 15.4
1028	70.0 ± 17.1
1029	46.7 ± 15.6
1030	64.5 ± 17.7
1031	73.8 ± 15.3
1032	35.6 ± 13.4

Location

Project / Client

Date 7/15/06



Location _____ Date 7/15/06

Project / Client _____

Pre-screen readings on grass strip along Hartford P.

XRF Reading #	reading (ppm)
1021	8504 ± 163
1022	1036 ± 60
1023	770.5 ± 50.2
1024	2650 ± 85
1025	787.5 ± 50.4
1026	342.6 ± 33

Depth 2"-4"

Confirmation Samples at 1239 Allene

XRF Reading #	reading (ppm)
1033	43.8 ± 13.5
1035	224.7 ± 27.8
1036	201.1 ± 26.3
1037	105.7 ± 17.3
1038	114.4 ± 19.9
1039	89.7 ± 18.5
1040	41.7 ± 14.5
1041	105.1 ± 19.7

Location _____ Date 7/15/06

Project / Client _____

1130 Completed excavation of the front of property.

1215 CMC started to backfill front of property.

Location _____ Date 7/17/06

Project / Client ESB (Exide)

0730 START White arrives at 1283 Allene Ave. to take photo documentation of property.

~~Date~~

Photo#	Date	Taken By	Direction	Description
42	7/17/06	AW	W	Front of 1283 Allene
43			S	Sidewalk Area
44			N	Northside of Property
45			W	walkway to front of house
46			N	Sidewalk
47			S	Southside of Property
48			NW	

Location _____ Date 7/17/06

Project / Client _____

0820 START White Calibrates XRF

Reading #	Standard	Reading (ppm)
1043	Low	21.2 ± 8.5
1044	Med	112.1 ± 4.1
1045	High	4046 ± 86

Insert: Calibration Detector 1042

XRF Reading	Reading (ppm)
1048	84.8 ± 18.4
1051	117.0 ± 26.8
1052	116.7 ± 25.5
1055	92.3 ± 20.6
1056	209.7 ± 27.7
1057	21.5 ± 14.2
1058	42.4 ± 18.5
1059	115.8 ± 20.8
1060	256.0 ± 33.4
1066	62.1 ± 17.2
1067	100.2 ± 19.9
1073	62.7 ± 15.4
1075	71.6 ± 21.4
1079	72.8 ± 21.1
1080	234.9 ± 33.9
1081	130.1 ± 24.6
1087	30.8 ± 17.3

AW

Location _____ Date 7/17/06

Project / Client _____

XRF Reading #	Reading (ppm)
1092	30.8 ± 17.3
1096	45.3 ± 13.6

0840 START White enters backyard of 1263 Allene Ave. XRF readings are taken and documented.

1215 EPA Rosen arrives at 1263 Allene. He continues to coordinate with START White. He is concerned about obtaining access agreements for properties.

Note - XRF Readings span from 0835 – 1504.

1715 START & CMC require to depart site for today. Weather is hot Sunny.

Location _____ Date _____

Project / Client _____

Location _____ Date 07/18/06

Project / Client _____

0700 START White arrives at 713 Erin to deliver EPA memorandum to Ms. Merritt.

0720 Arrives at Ezell Trucking Co.

0745 Arrives at 721 Erin Ave. to deliver letter.

0820 Calibrates XRF.

Calibration Detector #1098

XRF Reading #	Standards	Reading (ppm)
1099	Low	21.6 ± 7.77
1100	Med	1163 ± 42
1101	High	4226 ± 77

0822 CMC Hollingsworth ask START White to take readings behind the fence at 1259 Allene Ave.

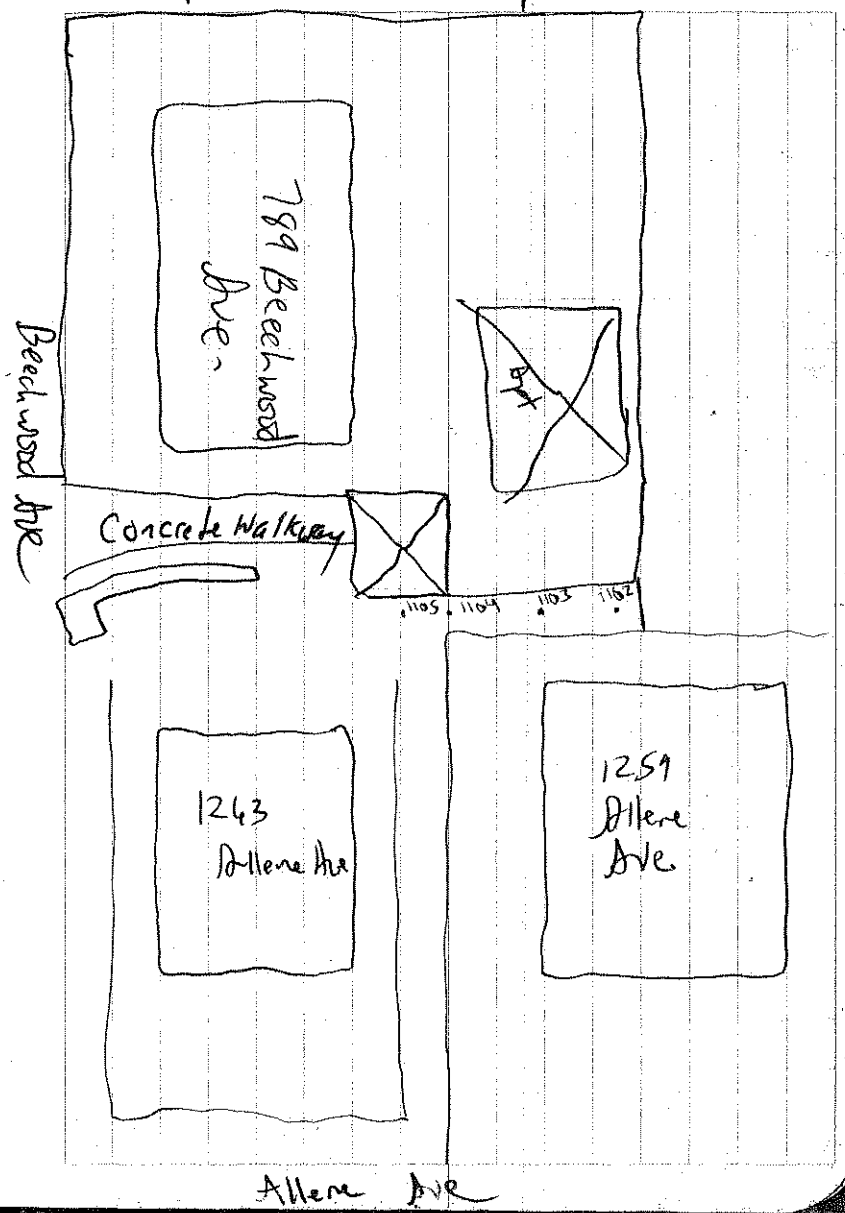
Reading #	Reading (ppm)
1102	784.1 ± 49.3
1103	544.2 ± 39.1
1104	421.7 ± 33.1
1105	309.1 ± 26.7

0906 START White arrives at 1239 Allene Ave. CMC ~~[illegible]~~ began excavating the sidewalk area.

Location _____ Date _____

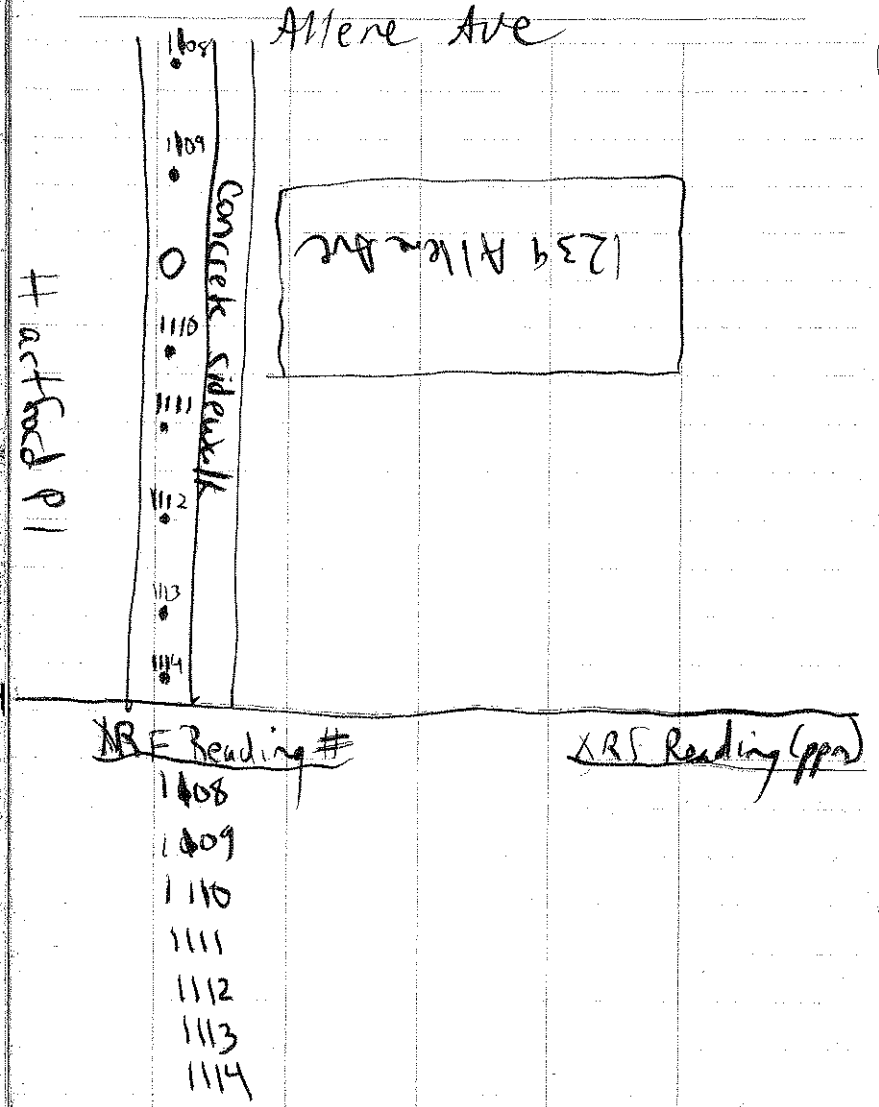
Project / Client _____

Sample Location Map



Location _____ Date _____

Project / Client _____



Location _____ Date _____

Project / Client _____

Location _____ Date 7/19/06

Project / Client _____

0700 Arrives at Jobsite.
0717 Arrives at 723 Erin Ave. Met Mamie Merritt and gave her the 2005 sampling results letter. She reviewed it and stated that she would get back with START and let them know if she wants to get her property screened.
0740 START White arrives at 1263 Allene Ave. CMC is backfilling property. CMC Hollingsworth decided to put rocks behind 1259 Allene Ave. This will help control runoff which affects 789 Beechwood. The resident has stated that her drainage system is affected whenever it rains.
1000 START White continues to monitor all activities.
1010 CMC delivers another load of stones.

Location _____ Date 07/19/06

Project / Client _____

1130 Lunch
1205 Back from lunch
CMC continues to backfill.
1300 EPA Rosen arrives on scene. He gives START White an update on access. START White logs the information into her spreadsheet. EPA Rosen also requested that START White return the Data Log.
1500 CMC continues to backfill.
1512 CMC repairs equipment.
1706 START White arrive at 721 Erin Ave. to deliver 2005 sampling results. Tenant had previously requested the results. Tenant is concerned about her results being 370 ppm. She has requested a resample of her property along with history of the site.
1740 START White departs site. Weather is hot, sunny. Temp is 102°F.

Location _____ Date _____

Project / Client _____

Location _____ Date _____

Project / Client _____

Location _____ Date 7-20-06

Project / Client _____

0700 START CROSS on site @ 1263 Allene Ave. CMC crew of 9 on site mobilizing equipment.

0730 TRUCKS delivered stone to begin backfilling the west property line. Stone covers length of west property line and is approximately 5 ft. wide. Stone also covers back of property 1259 Allene Ave.

CMC ~~continues~~ w/backfilling of stone

11:45 lunch

CMC begins to clean a pathway in the back of ~~next~~ property Allene Ave.

~~Backhoe~~ / front end loader used to clean debris starting on Beechwood. All debris / garbage hauled to landfill.

Still waiting on more top soil to fill in areas of the back yard @ 1263 Allene.

Location _____ Date 7-20-06 cont.

Project / Client _____

1530 Crew continues to remove debris, garbage, and cutting down bushes and trees that may be in the way @ area behind property Allene preparing to begin digging the back yard.

Pathway being cleared at the back (South) property line @ Allene and the North side of property line at new construction house 780(?) Beechwood.

1615 weather turns to rain. Crew breaks.

1645 Rain stops. Workers begin cleaning equipment and demobilizing to the yard.

1730 START CROSS and CMC crew off site.

Location _____ Date _____

Project / Client _____

Location _____ Date 7-21-06

Project / Client _____

07⁰⁰ AM START B. Cross on site. CMC crew at stock yard mobilizing equipment to job site. Safety meeting

0730 CMC Arrives @ job site. Still waiting on top soil to continue back fill south (back) yard @ property 1263 Allene. Soil and yard also to wet from rain.

Workers continue to clear pathway behind property @ 1283 Allene.

0900 CMC begin to dig soil on the west side of property located @ 1283 Allene.

0920 START CROSS collected XRF Readings to determine if depth of soil was dug past the contaminants.

Pb XRF Readings

1128	480.2	→ AREA dug deeper
1129	217.8	
1130	64.6	
1131	140.1	

Location _____ Date 7-21-06 cont.

Project / Client _____

1125 Crew continues to excavate on west side of property 1283 Allene waste hauled to landfill.

1130 LUNCH

1215 Return from lunch, crew continues to excavate property located at 1283 Allene.

1330 START CROSS and CMC foreman went to sample stock pile for top soil located @ 3370 Welcome All Rd. GRIER BROTHERS Enterprises

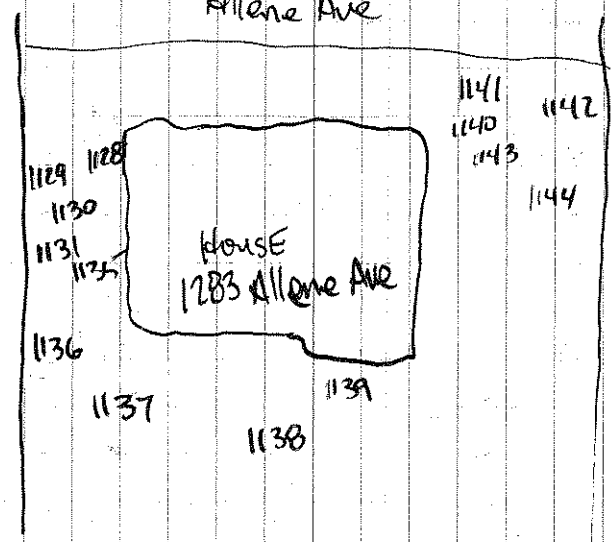
XRF #	XRF Reading (ppm)	
1132	Pb 27.9	Fe 25.8K
1133	Pb 30	Fe 26.8K
1134	Pb 11.6	Fe 25.9K

1400 Begin excavating on the east side of property. START CROSS took XRF Readings on south (BACK YARD) and east side of property @ 1283 Allene. All readings below ppm requirements.

Location _____ Date 7-21-06 cont.

Project / Client _____

XRF Reading #	XRF Readings (ppm)
1135	28.7 ± 14.6
1136	115.0 ± 19.5
1137	43.4 ± 14.2
1138	19.4 ± 11.6
1139	105.9 ± 22.7
1140	61.6 ± 16.2
1141	154.4 ± 22.3
1142	219.8 ± 25.5
1143	60.4 ± 16.2
1144	123.9 ± 25.2



Location _____ Date 7-21-06 cont'.

Project / Client _____

1600 Crew continues excavating on the east side of property. Work continues throughout shift w/no incidents.

1700 Crew begin cleaning equipment and mobilizing off site.

1730 START CROSS and CMC crew off site.

XRF #	Reading
1145	141.2 ± 22.6
1146	290.2 ± 29
1147	66.8 ± 14.3
1148	
1149	86.3 ± 14.5
1150	516.8 ± 37.2
1151	78.2 ± 16.8
1152	24.6 ± 13.6
1153	355.5 ± 40.0
1154	103.3 ± 20.3
1155	55.7 ± 15.4

Location _____ Date 7-22-06

Project / Client _____

0700 START CROSS and CMC crew on site. Currently raining and ground still wet. Crew waits to see if rain stops.

0830 Weather continues. No work today for CMC.

0845 OFF site.

Location ESB - 1283 Allene Date 7/24/96

Project / Client ESB

0730 Arrive at Job site - 1283 Allene
0815 Homeowner requests we take out concrete at SE corner of house.
0900 ERRS cuts off old water line from SW corner of house with home owner's permission.
0920 ERRS take break.
0940 Spot checked back alley at OSC's request. ~345 ppm, ~320 ppm - will finish at next break. (#1165 - 1166)
1040 Spot checked back alley (~~ERRS break~~)

XRF #	XRF Reading
1170	260.8 ppm ± 11.8
1171	401.4 ppm ± 19.4
1172	321.2 ppm ± 20.1
1173	
1174	205.0 ppm ± 15.6

1130 ERRS + I START Blattner go to lunch.
1230 Back on Jobsite
1325 Spot checked brush area on South side of back yard (#1182 - 1185). Found two spots ~500 ppm. Owner gave permission to dig up the brush.
1330 Neighbor at 1289 Allene inquired about her yard. She would like us to check and see if we have tested. (cont. pg 42)

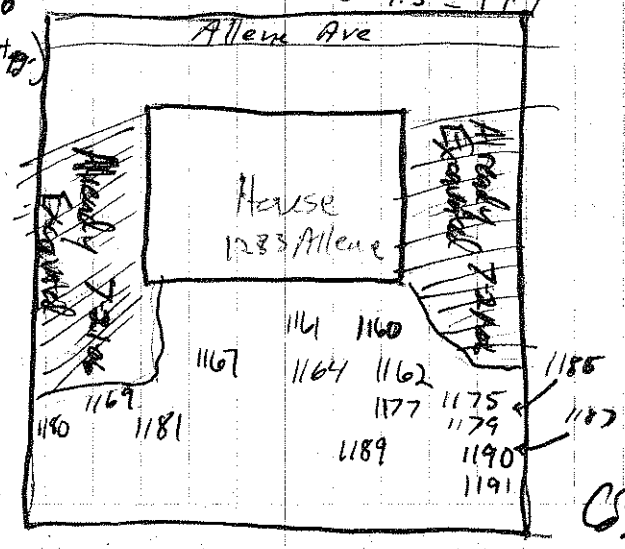
CB

Location 1283 Allene Date 7/24/96 (cont.)

Project / Client ESB

XRF Reading #	XRF Reading (ppm)
1160	339 ± 18.5
1161	268.6 ± 15.8
1162	433 ± 8.0
1164	26.5 ± 6.8
1167	262.0 ± 16.2
1169	58.3 ± 8.5
1175	316.5 ± 17.5
1176	
1177	149.6 ± 11.3
1178	
1179	268.0 ± 15.4
1180	228.0 ± 14.8
1181	174.8 ± 13.2
1186	264.3 ± 14.7

(cont. next pg.)



CB

Location 1283 Allene Date 7-24-06
Project / Client ESB

XRF Reading #	XRF Reading (ppm)
1187	39.8 ± 8.0
1188	69.2 ± 9.2
1189	146.9 ± 13.1
1190	
1191	257.9 ± 11.5

Access:
Sabrina Mobley ph. 404 756-9130
1289 Allene Ave
Atlanta, GA 30310
5-Residents - between ages 35 + 45

1515 ERRS on break
1545 ERRS crew begins work backfilling at 1263 Allene, finishing off the last details in the back yard.
1730 ERS Crew finishes up

7-24-06
CB

Location 1283 Allene Date 7-25-06
Project / Client ESB

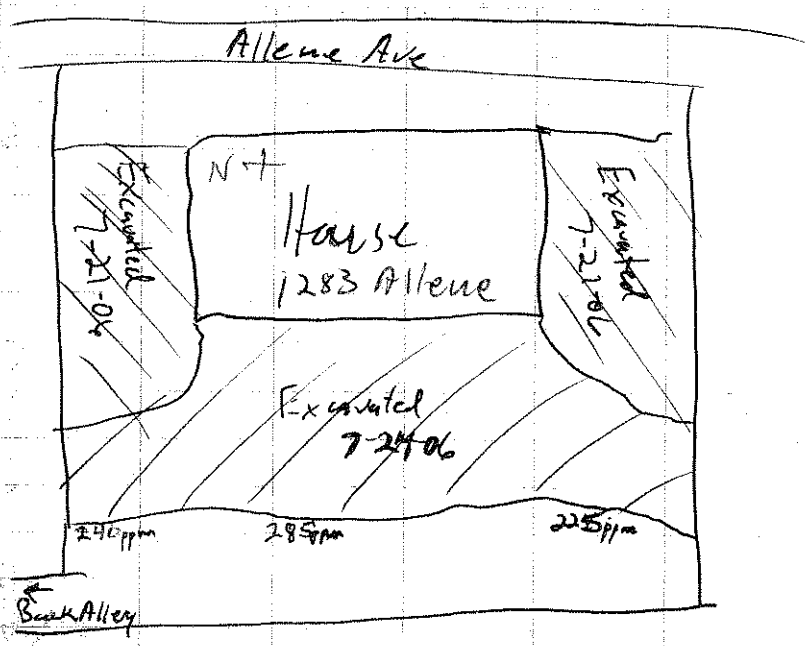
0700 START Blatner on site
ERRS (7) on site
Safty Meeting held.
Work plan: finish back yard at 1283 Allene, backfill
Weather: overcast, 74°F

0720 XRF Calibration Check

Reading #	Standard	Reading #
1192	High	4240 ± 68
1193	Med	1137 ± 31
1194	Low	23.8 ± 6.4

0730 ERRS Crew moving machines + equipment to jobsite to begin excavating remainder of back yard at 1283 Allene.
0745 ERRS Crew begins excavation.
0845 Spot checked soil beneath concrete on South side of house ~ 750ppm (#1195). ERRS begins removing concrete.
0855 ERRS takes down medium size tree in back yard at owner's request.
0930 Eighth ERRS crew member arrives and begins helping. CB
7-25-06

Location 1283 Allene Date 7-25-06
Project / Client ESB



XRF Reading #	XRF Reading (ppm)
1196	240.4 ± 15.0
1198	224.9 ± 13.3
1199	
1200	284.7 ± 14.3

7-25-06
GB

Location 1283 Allene Date 7-25-06
Project / Client ESB

0925 Spot checked back of yard (Alley way) ~ 450ppm (#1197)
0940 ERRS crew on break. (Returned 1000)
1020 James Johston
→ 1272 Allene signed Access with OSC
1020 Spot checked back yard at 1289 Allene. (#1201 - 1210)
Readings ranged between 250-880ppm
OSC requested sampling if not done already. Checking with START Andregorn.
1030 ERRS crew removing concrete and soil from south side of house. (1283 Allene) GB
Spot checked (#1211-1214) GB 400-880 ppm.
1130 START Blattner + ERRS crew take Lunch.
1230 START Blattner + ERRS crew return. ERRS pull down medium size tree on south side of back yard.
1235 Calibrate XRF (#1214)
1245 Cal. Check: (#1215-1217)

Standard	Reading (ppm)
Low	20.4 ± 5.4
Med	1135 ± 29
High	4344 ± 68

12-25-06
GB

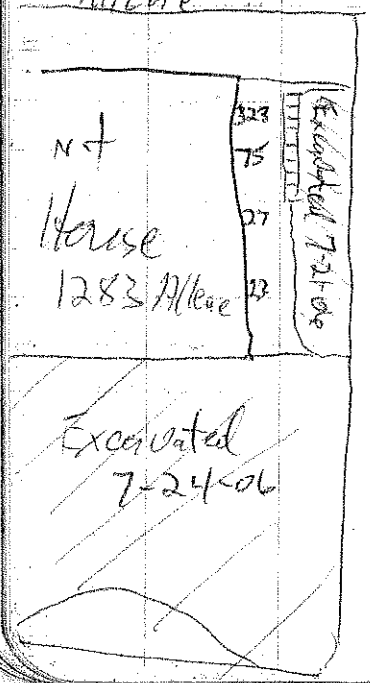
Location 1283 Allene Date 7-25-06

Project / Client ESB

1315 Spot check @ 1289 Allene in front yard. (#12/8-1221)
Results between 150 - 350 ppm with drip zone at 756 ppm.

1355 Checked south side of house after concrete removed:

XRF Reading #	XRF Reading (ppm)
1222	328.0 ± 18.5
1223	746 ± 9.5
1224	26.8 ± 6.8
1225	23.0 ± 6.4



7-25-06
CB

Location 1283 Allene Date 7-25-06

Project / Client ESB

1430 ERRS crew removing stump from front yard.
1500 ERRS + START Blitzer break
1515 ERRS + START Blitzer back
1530 ERRS having mechanical trouble - broken hose on front loader, flat tire on dump truck. (1535-1555 see next page)
1600 ERRS Backfilling at 1263 Allene
1620 ERRS removing stump from south side of back yard.
CB 1655 Photos taken. → 1715 START + ERRS Ended
7-25-06

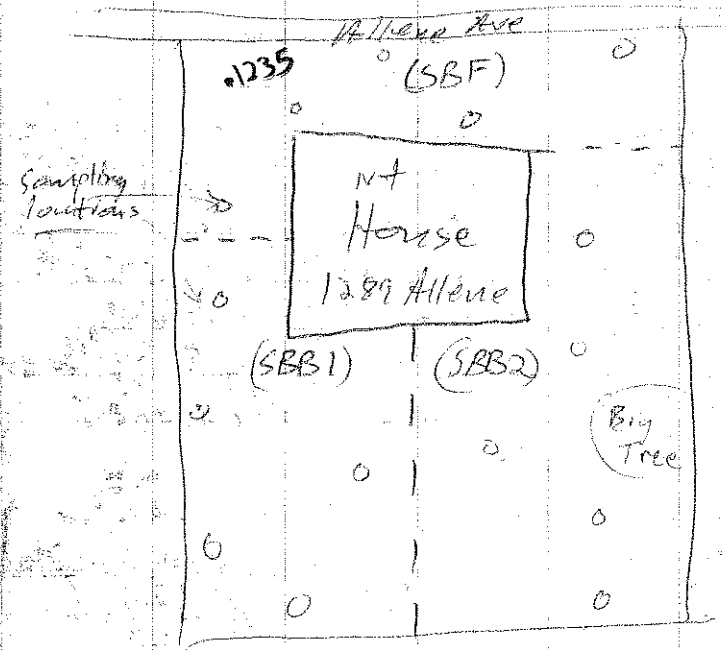
Photo #	Direction	By	Date	Description
25	E	CB	7-25-06 1655	North side of house
26	W	CB	7-25-06 1655	N side of back yard
27	SW	CB	7-25-06 1659	Back yard area where trees + brush removed
28	E	CB	7-25-06 1710	S. side of house, concrete was removed
29	N	CB	7-25-06 1712	Back yard looking into back alleyway
30	NE	CB	7-25-06 1712	Back yard view of house

7-25-06
CB

Location 1289 Allene Date 7-25-06

Project / Client ESB

1535 Begin sampling yard at 1289 Allene.



1555 Checked composite samples with XRF.

	XRF Reading #	XRF Reading (ppm)
SBF	1226	603.3 ± 23.7
SBB1	1228	302.3 ± 15.4
SBB2	1227	583.8 ± 22.0
(recheck) SBB1	1229	352.0 ± 30.6
(recheck) SBB1	1230	291.9 ± 26.6

7/25/06 GB

Location Date 1-26-06

Project / Client

0650 START White arrives onsite. CMC is onsite.
0700 Safety meeting begins
0729 Arrives at 1263 Allene Ave. CMC will continue backfilling until the skidsteer arrives from Yancey Rentals
0752 START Berry arrives onsite
0915 CMC begins excavating the backyard of 1283 Allene. START White Calibrates the XRF

Calibration Detector # 1231

Reading (#)	Standards	Reading (ppm)
1232	Low	20.3 ± 8.2
1233	Med	1117 ± 41
1234	Hi	4359 ± 89

1012 START White enters backyard of 1283 Allene Ave. CMC is removing stockpiles of excavated soil.
1130 Lunch
1230 Resume Excavation. CMC continues to move stockpile

AW

Location _____ Date 7-26-06

Project / Client _____

1240 CMC utilize water to control dust.
START White takes confirmation Readings

Reading #	Reading (ppm)
1235	162.0 ± 24.3

(See Page 48 for Sample Location Map)

1430 CMC moves over to 1263 Allene to continue backfilling.

1519 CMC continues to backfill 1263 Allene Ave.

1640 CMC returns to 1283 Allene to continue excavating.

1542 START White leaves site. Weather is sunny.

Location _____ Date 7-27-06

Project / Client _____

0700 START CROSS on site w/ CMC. CMC mobilize equipment to 1283 Allene. Continue to excavate and haul soil to land fill. Also cut down smaller trees and hauled away.

1045 START CROSS collected XRF samples of backyard @ 1283 Allene Alley path. High Readings were re-excavated.

XRF #	Reading
1236 (Calibration)	okay 68.7 ± 14.1
1237	294.4 ± 28.3
1238	418 ± 40.2
1239	285.8 ± 29.2
1240	151.7 ± 25.2
1241	368.2 ± 32.6
1242	94.5 ± 18.4
1243	414.3 ± 48.1
1244	86.1 ± 17.8
1245	128.2 ± 23.7
1246	173.5 ± 20
1247	231.2 ± 34.8
1248	341.7 ± 29.9

Location _____ Date 7-27-06

Project / Client _____

XRF #	XRF Reading
1249	409.2 ± 32.8
1250	282.6 ± 35.0
1251	465.3 ± 35.3
1252	480.3 ± 39.6
1253	355.3 ± 31.3
1254	239.0 ± 38.3

START CROSS continued to collect XRF Readings as workers dig and clean access road behind property. Any high Readings surface (soil) was excavated until Readings were below standard.

Workers spent shift preparing access alley Road. Continue to excavate pathway.

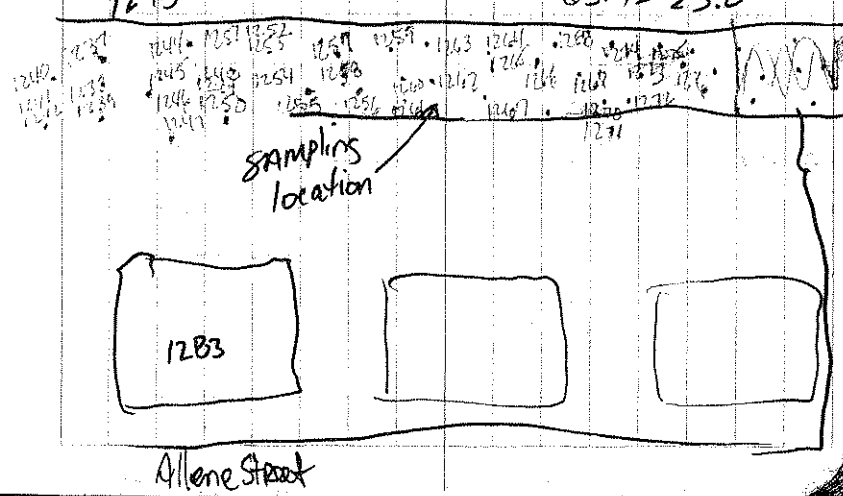
CROSS collect XRF samples Readings as workers clean area.

XRF #	XRF Reading
1255	224.3 ± 36.0
1256	282.2 ± 31.8
1257	359.0 ± 43.2
1258	85.8 ± 25.1
1259	196.7 ± 26.4
1260	338.0 ± 32.9
1261	73.8 ± 22.8

Location _____ Date 7-27-06

Project / Client _____

XRF Sample #	XRF Reading
1262	72.1 ± 20.4
1263	42.3 ± 13.3
1264	801 ± 66.8
1265	74.3 ± 18.6
1266	334.3 ± 40.5
1267	74.3 ± 18.6
1268	92.7 ± 25.5
1269	110.6 ± 29.1
1270	656.1 ± 59.7
1271	181.6 ± 31.6
1272	120.8 ± 20.5
1273	648.1 ± 60.2
1274	293.2 ± 42.2
1275	63.7 ± 23.0



Location _____ Date 1-27-06

Project / Client _____

1630 workers continue cleaning access alley road behind property 1283 Allene. Truck of back soil dumped and used to fill in holes where crew had to continue digging to get below detection limit.

1700 Workers began cleaning equipment and demobilizing to the yard

1730 Off site.

Location _____ Date 8-1-06

Project / Client _____

0700 START CROSS / white on site w/ CMC crew. workers mobilize equipment to site and prepare to start backfilling 1283 Allene. START CROSS collected conformation sample @ 1283 Allene in back yard.
Shot sample w/ XRF.

XRF # 1277 (Calibration) Reading 59.5 ± 1.4 (range 60 ± 1.3-1.8)

Conf. soil sample #	Reading
1278	108.2 ± 19.7

1030 workers continue to backfill property 1283 Allene. Crew also cut down trees, branches @ property 1289.

1130 lunch
Workers continue to backfill and cut trees / branches the remainder of shift w/ no incidents.

1700 Off site.

Location: Date 8/2/06

Project / Client

0700 START White arrives onsite to attend Health + Safety meeting.

0720 START White arrives on Beechwood Ave

0815 START Cross arrives onsite to deliver equipment.

CMC is backfilling backyard.

0930 START White calibrates the XRF.

Reading #	Standard	Reading (ppm)
1280	Low	19.6 ± 8.4
1281	Med	1115 ± 41
1282	Hi	4458 ± 92

Calibration detector # 1279

0945 START White enters the backyard of 789 Beechwood Ave to screen the back yard.

1049 EPA Bass arrives onscene. START White discusses the site with EPA Bass to ensure that START + EPA were on the same page ~~[illegible]~~ and that the site was going in the right direction.

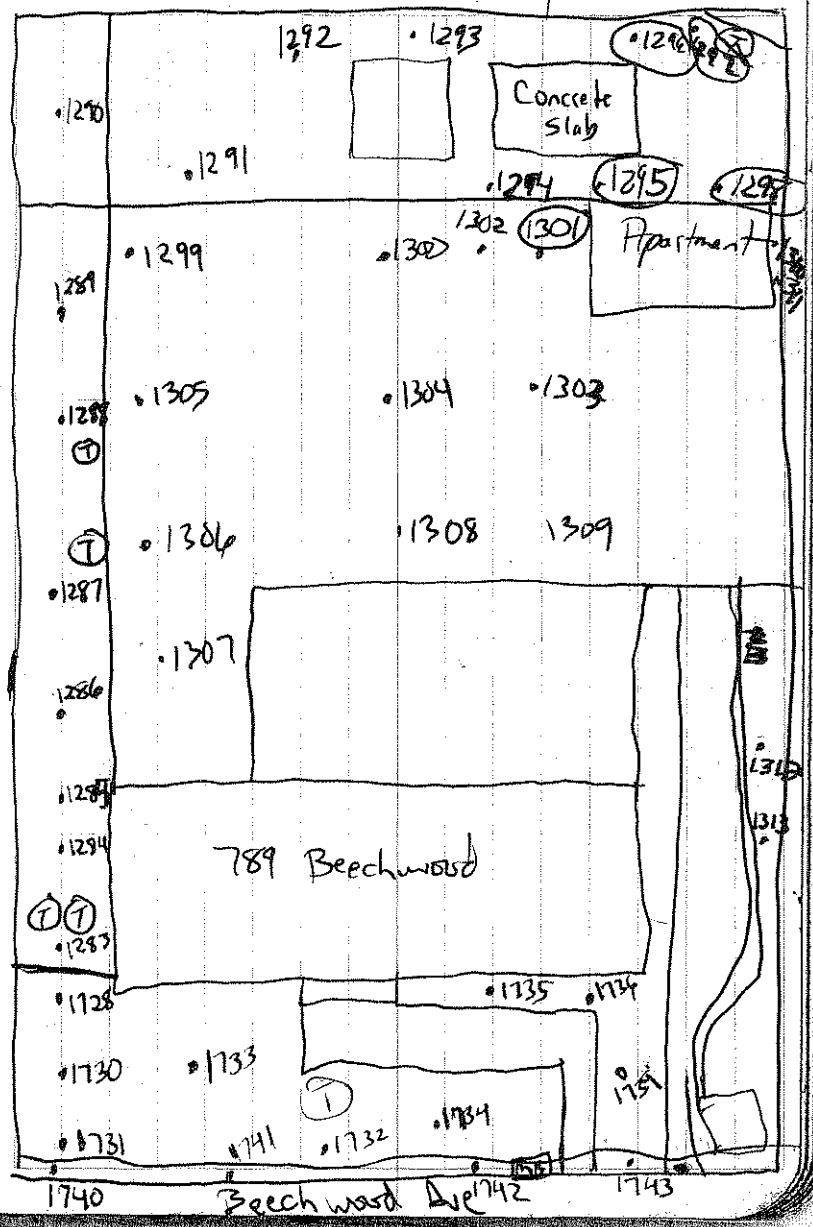
1235 EPA Bass departs site.

1245 START White to lunch.

Location: Date 8/2/06

Project / Client

789 Beechwood



Location _____ Date 8/2/04

Project / Client _____

1257 START White back to site.
1315 CMC is now excavating backyard of 1289 Allene Ave.
START White enters backyard.

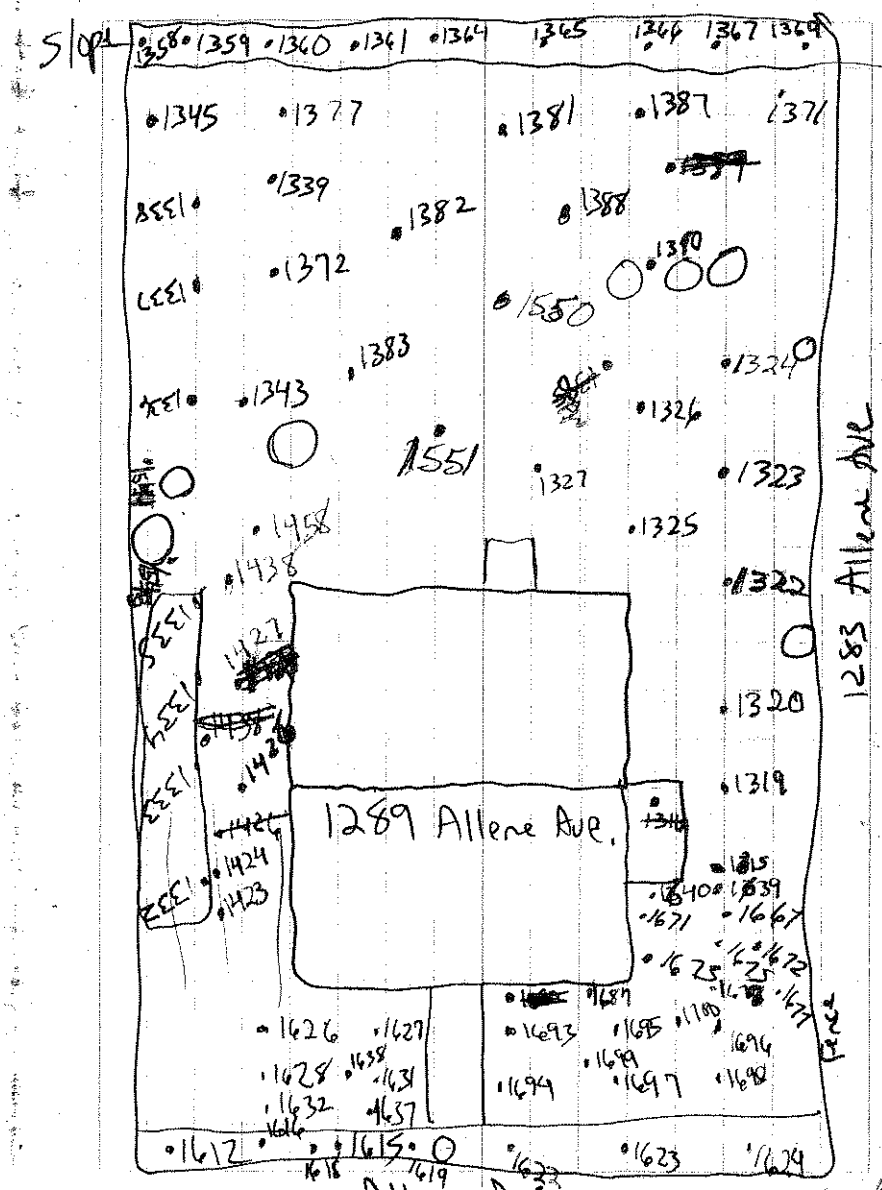
XRF Reading # 789 Beechwood	Reading (ppm)
1283	271.2 ± 32.6
1284	240.6 ± 29.1
1285	974.0 ± 67.3
1286	201.7 ± 33.0
1287	115.4 ± 26.4
1288	161.5 ± 31.2
1289	187.8 ± 35.0
1290	226.6 ± 35.7
1291	160.7 ± 32.4
1292	155.7 ± 33.9
1293	282.8 ± 41.1
1294	169.6 ± 22.6
1295	561.8 ± 55.5
1296	757.9 ± 63.5
1297	651.2 ± 54.3
1298	576.8 ± 49.8
1299	142.3 ± 35.9
1300	117.1 ± 27.7
1301	1572 ± 60

DW

Location _____ Date 8/2/04

Project / Client _____

~~484 456 9507~~ DW



Location _____ Date 8/2/06

Project / Client _____

789 Beechwood Ave

XRF Reading #	Reading (ppm)
1302	20.1 ± 24.5
1303	93.5 ± 21.3
1304	340.3 ± 39.1
1305	135.9 ± 29.5
1306	Below
1307	52.3 ± 21.9
1308	128.9 ± 23.7
1309	100.9 ± 22.8
1310	640.9 ± 60.4
1311	412.9 ± 47.7
1312	245.0 ± 53.5
1313	169.4 ± 38.9

End

1289 Allene Ave

XRF Reading #	Reading (ppm)
1315	104.5 ± 20.7
1319	119.3 ± 25.1
1320	34.2 ± 16.9
1322	236.7 ± 33.5
1323	168.1 ± 28.4
1324	36.7 ± 15.7
1325	189.7 ± 25.7

AW

Location _____ Date 8/2/06

Project / Client _____

cont'd 1289 Allene Ave

XRF Reading #	Reading (ppm)
1326	157.2 ± 24.2
1327	178.1 ± 27.5

1738 START White exits backyard of 1289 Allene Ave.

1745 START White departs Site. Weather is hot, sunny Temp is 93°F.

AW

Location _____ Date 8/3/06

Project / Client _____

0700 START White arrives onsite to attend health + Safety meeting.

0714 START White arrives at 1263 Allene Ave. CMC lays sod on walkway located on Beechwood Ave.

0852 CMC lays sod in backyard of 1283 Allene Ave.

1015 CMC enters backyard of 1289 Allene Ave to begin excavation.

START white calibrates the XRF. Detector Cal # 1328

XRF Reading #	Standard	Reading (ppm)
1329	Low	21.7 ± 6.4
1330	Med	1135 ± 39
1331	High	4122 ± 86

1030 START White enters the backyard (refer to sample location map on p. 59)

1136 Lunch

1152 Returned to site

1217 START White reenters the backyard of 1289 Allene Ave.

1500 CMC continues to excavate back yard, white START takes confirmation XRF

Location _____ Date 8/3/06

Project / Client _____

1289 Allene Ave XRF Reading

XRF Reading #	Reading (ppm)
1332	136.8 ± 16.1
1333	1020 ± 147
1334	1036 ± 111
1335	619.6 ± 129.7
1336	77.9 ± 21.7
1337	44.7 ± 16.5
1338	229.8 ± 28.6
1339	58.0 ± 17.0
1343	107.6 ± 25.6
1345	199.5 ± 27.8
1358	248.9 ± 32.6
1359	208.2 ± 130.3
1360	102.5 ± 22.6
1361	202.5 ± 30.4
1364	225.6 ± 33.2
1365	133.1 ± 25.1
1366	154.9 ± 28.4
1367	195.5 ± 26.9
1369	157.2 ± 30.5
1371	100.1 ± 20.0
~~1372~~	
1377	89.1 ± 21.9

Location _____ Date 8/3/06

Project / Client _____

Cont'd

XRF Reading #	Reading (ppm)
1381	210.7 ± 27.6
1382	38.4 ± 16.3
1383	226.5 ± 35.7
1387	33.5 ± 15.5
1388	79.3 ± 21.1
1390	96.3 ± 25.2

~~Insert 1385~~

Location _____ Date 8/3/06

Project / Client _____

Cont'd Readings.

1645 START White collects soil for Sample ESB-1289AL-SBB6. An XRF reading is taken.

Reading #	Reading ppm
1403	59.9 ± 16.6

1725 START White prepares to leave the site.

1740 START White departs site. Weather is hot and sunny. Temp is 92°F.

Location _____ Date 8/4/06

Project / Client _____

0700 START White arrives onsite to attend health & Safety meeting.

0715 START White arrives at 1289 Allene Ave. Detector Cal. 1404

Reading #	Standards	Reading (ppm)
1405	Low	15.2 ± 7.7
1406	Med	192 ± 42
1407	High	4359 ± 63

note CMC will now excavate 1283 Allene & 1289 Allene at the same time. (See XRF sample map for 1289 Allene. p59.

0830 START White will have to rotate between the 1283 Allene and 1289 Allene Ave. CMC is excavating the front yard of 1283 Allene Ave and the side of 1289 Allene Ave.

Note: CMC Hollingsworth is operating the excavator at 1289 Allene Ave. CMC Greg is operating the excavator at 1283 Allene Ave.

0930 Break

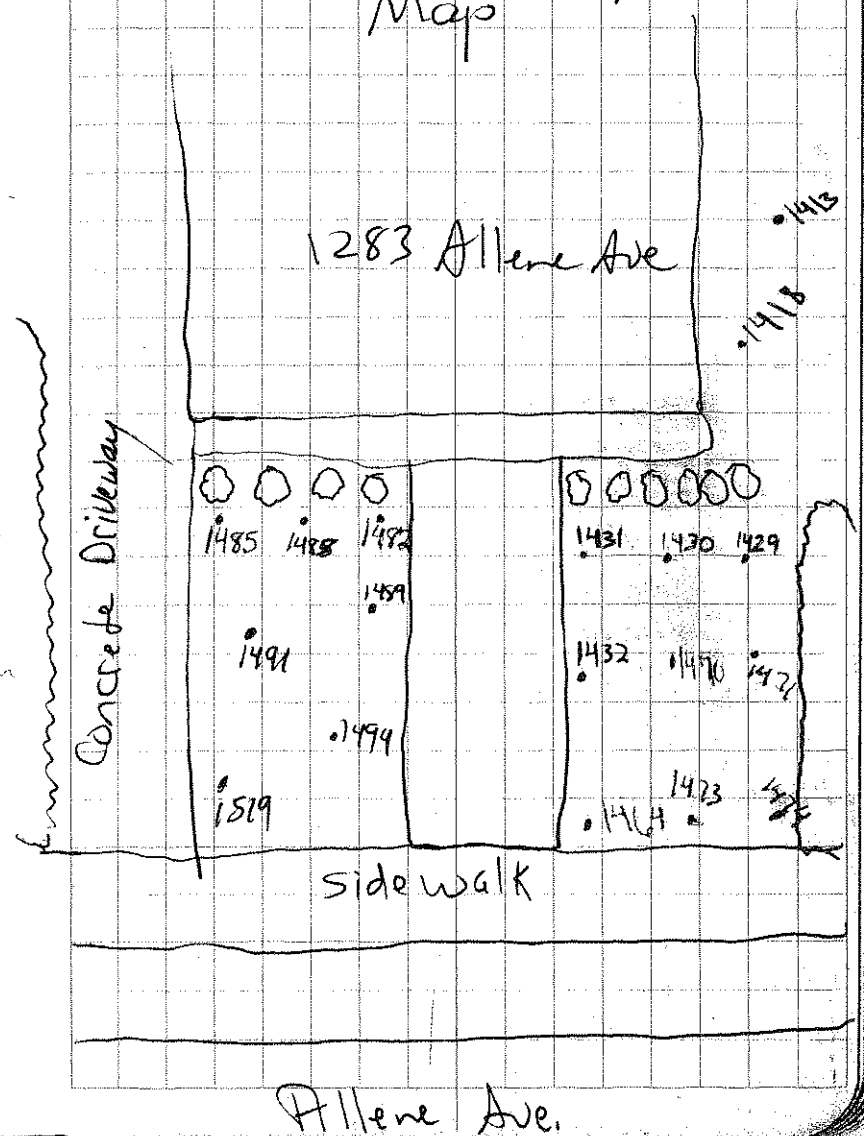
1145 Lunch

1205 Return from Lunch

Location _____ Date _____

Project / Client _____

1283 Allene XRF Sample Location Map



Location _____ Date 8/3/06

Project / Client _____

1283 Allene XRF Readings

Reading #	Reading (ppm)
1413	164.8 ± 25.4
1418	211.9 ± 30.1
1429	106.6 ± 20.2
1430	107.5 ± 19.3
1431	203.8 ± 27.9
1432	198.8 ± 26.3
1464	281.8 ± 34.6
1470	91.9 ± 20.8
1471	158.6 ± 23.7
1473	133.2 ± 25.6
1482	232.8 ± 36.8
1488	67.1 ± 17.5
1489	79.3 ± 19.6
1491	66.6 ± 19.5
1494	97.5 ± 27.9
1519	179.4 ± 24.4

Location _____ Date 8/3/06

Project / Client _____

1289 Allene XRF Readings

Reading #	Reading (ppm)
1423	134.1 ± 24.6
1424	328.2 ± 31.8
1426	200.4 ± 26.0
1427	103.6 ± 15.4
1428	139.4 ± 22.9
1438	74.1 ± 17.5
1458	52.1 ± 14.6

DW

1300 START White collects Confirmation Sample for Frontyard of 1283 Allene. ESB-1283AL-SF61

Location _____ Date 8/4/06

Project / Client _____

1500 START White departs site to Enroute to Tetra Tech Office

1540 START White enroute to Site.

1610 CMC is backfilling front yard of 1283 Allene Ave.

1717 START White departs site. Weather is hot, sunny.

Location _____ Date 08/05/06

Project / Client _____

0700 Arrives on site to attend health + Safety meeting.

0730 Arrives at 1289 Allene Ave. to complete excavation in backyard

Cal Detector # 1520

Reading #	Standards	Reading (ppm)
1521	Low	16.8 ± 2.7
1522	Med	1098 ± 36
1523	High	

0750 START White enters the backyard of 1289 Allene Ave.

(See sample location map pg. 59)

XRF Reading #	Reading (ppm)
Test Shots #	-1524 ± 11

START White discovers that the XRF is not calibrated properly. A second calibration is done.

Cal Detector # 1540

Reading #	Standards	Reading (ppm)
1540	Low	15.9 ± 8.0
1541	Med	1119 ± 41
1542	high	4584 ± 93

Location _____ Date 8/5/06

Project / Client _____

XRF Reading

Reading #	Reading (ppm)
1544	74.3 ± 22.7
1545	94.9 ± 19.6
1546	87.8 ± 15.4
1550	285.4 ± 29.9
1551	132.2 ± 29.2

1000 CMC ~~is~~ continues to backfill frontyard of 1283 Allene Ave.

1100 CMC uses seeds on frontyard of 1283 Allene. CMC & START put hay over the seeds. The hay will help the seeds retain moisture.

1230 START + CMC depart site. Weather is sunny & hot. Temp is 93°F.

Location _____ Date 8/7/06

Project / Client _____

0700 START White arrives onsite at 721 Ersin Ave. The resident was concerned about the level of lead on her property and she has requested a resample. Because her result was 370 ppm START White ~~will~~ offers additional screening. The property will be screened in the near future.

0730 START White arrives at 1289 Allene Ave. to do an in field screening on the front yard.

0759 CMC is watering several properties.

0820 START White calibrates the XRF.

Calibration Detector #1553

Reading #	Standard	Reading (ppm)
1554	Low	19.8 ± 17.5
1555	Med	1086 ± 38
1556	High	3785 ± 74
1564	High	4158 ± 78

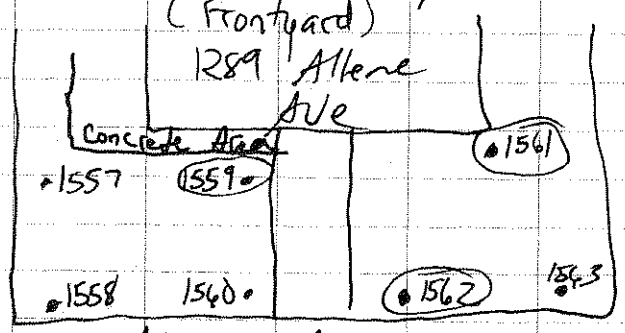
AW

Location _____ Date 8/7/06

Project / Client _____

0847 START White screens the front yard of 1289 Allene Ave.

1289 Allene XRF Sample Location Map (Frontyard)



Allene Ave XRF Readings

XRF Reading #	XRF Reading (ppm)
1557	251.3 ± 31.3
1558	198.8 ± 48.7
1559	463.1 ± 50.4
1560	183.6 ± 28.8
1561	663.6 ± 81.6
1562	595.9 ± 50.5
1563	119.8 ± 21.4

0915 CMC is backfilling the backyard of 1289 Allene Ave.

1106 START White departs site to take care of paper work

Location _____ Date 8/7/06

Project / Client _____

1254 START White return to site. CMC is still backfilling. EPA Bass is onsite.

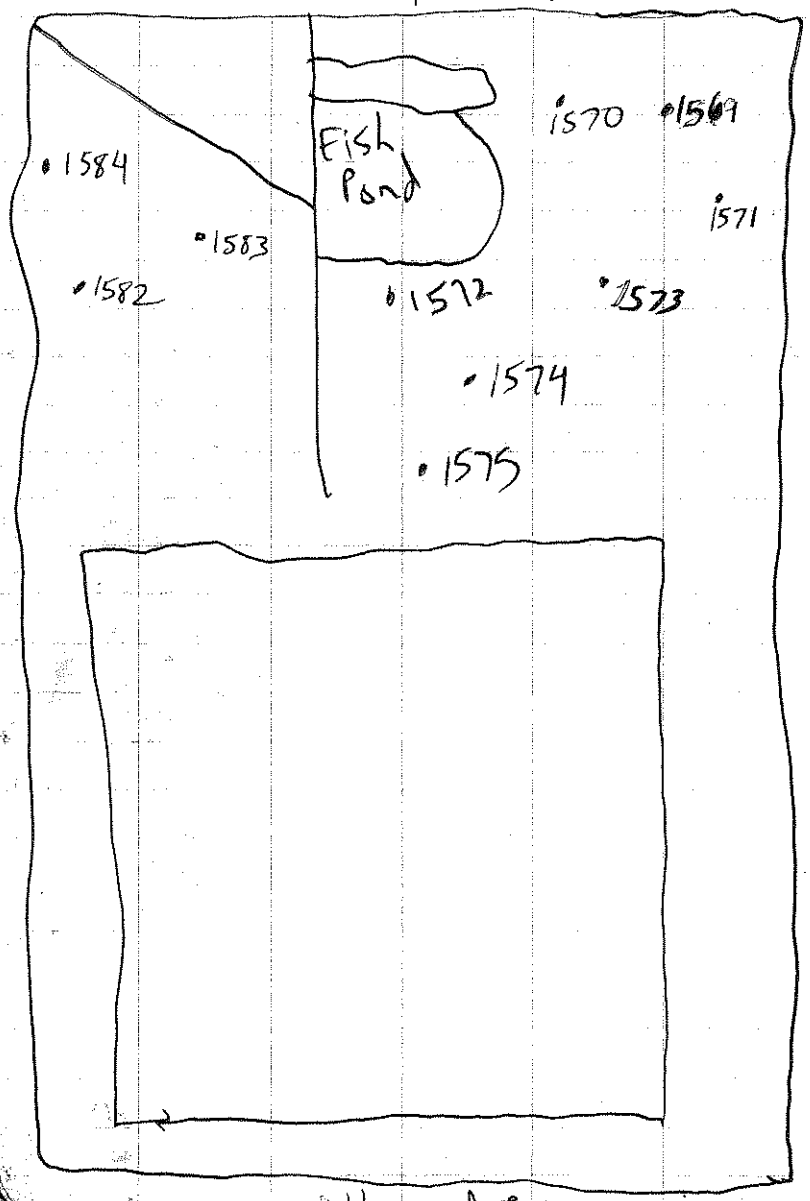
1330 START White will utilize time to do brief in field screening of additional properties. Several XRF readings will be taken of properties to see if further action is required. 1293 Allene Ave Backyard will be analyzed.

XRF Reading #	Reading (ppm)
1569	375.9 ± 31.3
1570	313.9 ± 31.3
1571	475.9 ± 38.3
1572	383.5 ± 38.9
1573	240.0 ± 33.3
1574	129.2 ± 24.9
1575	131.8 ± 34.0
1582	177.9 ± 20.6
1583	144.1 ± 26.2
1584	334.3 ± 27

Location _____ Date _____

Project / Client _____

1293 Allene Ave.



Location _____ Date _____

Project / Client _____

1412 CMC is still backfilling back yard of 1289 Allene. START White continues to provide oversight and technical support.

1600 START White takes XRF samples to confirm the removal of contaminants. CMC is now excavating the alley behind 1289 Allene Ave. The alley runs behind the 1200 block of Allene Ave. It borders the properties to the West.

Reading #	Reading ppm
1590	4442 ± 135
1598	307.3 ± 43.7
1600	211.1 ± 29.7

1800 START White & CMC prepare to leave site. Weather is hot & sunny.

1590

1600 ~~1590~~ 1598

1293 Allene 1289 Allene

Location _____ Date 8/8/06

Project / Client _____

0615 START White travels to Wal-Mart to obtain paint. No paint is available.

0710 START White arrives onside. CMC is transporting equipment to 1289 Allene.

0720 START White speaks with the owner of 1293 Allene Ave.

0735 START White calibrates the XRF.

Calibration Detector # 1604

Reading #	Standards	Reading ppm
1607	Low	1316 ± 65
1609	Med	1091 ± 41
1610	High	4511 ± 77
1608	Low (Pb)	22.1 ± 8.7

0810 START White takes XRF samples of the frontyard of 1289 Allene Ave. CMC is also excavating the side walk area.

0945 CMC backfills the sidewalk area.

1000 CMC excavates the leftside of the frontyard.

1100 CMC backfills the left side of the

Location _____ Date 8/8/06

Project / Client 1289 Allene Ave

XRF Reading #	Reading (ppm)
1612	118.8 ± 22.2
1615	123.8 ± 22.2
1616	42.8 ± 17.1
1618	139.8 ± 27.1
1622	169.9 ± 23.5
1623	149.7 ± 27.0
1624	239.7 ± 29.4
1626	52.9 ± 19.7
1627	208.7 ± 32.3
1628	222.2 ± 33.0
1631	120.8 ± 24.9
1637	112.0 ± 23.9
1638	79.6 ± 24.7
1639	35.0 ± 18.0
1640	216.3 ± 109.3
1667	146.7 ± 21.4
1671	233.0 ± 23.7
1672	109.2 ± 16.7
1673	48.1 ± 13.3
1675	115.2 ± 17.7
1677	113.4 ± 17.8
1678	85.3 ± 15.1
1687	143.7 ± 18.5

AW

Location ..... Date 8/8/04

Project / Client .....

Frontyard. START White collects soil sample. Eon Products André arrives onsite to ensure that the NITON is working properly. START White receives a new plate for the NITON. André sets the NITON where it will stop running after 30secs. He also takes test shots. André tests the XRF against the high standard.

Test Shots

Reading #	Reading (ppm)
1647	45.5 ± 16.6
1649	153.8 ± 23.1
1650	130.3 ± 24.4
1651	4060 ± 10
1652	1100 ± 48
1653	4033 ± 101
1654	4155 ± 60
Test Calibration #1655	
1656	4275 ± 61
1657	5246 ± 70

AW

Location ..... Date 8/8/04

Project / Client .....

1140 Eon Products Rental Manager André has completed checking the Niton. The high standard was not reading properly because someone put teflon paper over the substance. André put mylar film over the substance and the readings are now correct. He will check to see why there is a high Fe reading in the soil.

1210 START White to lunch.

1230 START White return back on site. EPA Bass is present. CMC continues to dig the North side of the property.

1302 The weather is getting bad. It is windy & beginning to drizzle. It is also thundering. CMC Hollingsworth ceases work activities because it is too windy and limbs may fall on workers.

1345 Work resumes.

1637 It begins to rain again.

AW

Location _____ Date 8/8/06

Project / Client

1289 Allene Ave

XRF Reading #	Reading (ppm)
~~1690~~	
1693	143.0 ± 21.2
1694	89.2 ± 16.2
1695	83.3 ± 16.6
1696	78.3 ± 15.3
1697	31.6 ± 12.2
1698	46.8 ± 17.2
1699	50.0 ± 13.2
1700	38.8 ± 15.8

Location _____ Date 8/8/06

Project / Client

Cold CMC Continues working.

1645 CMC stops ~~work~~ digging. Clean up begins. The rain has made it impossible to work. The equipment is tracking mud everywhere.

1701 START White departs site. Weather is Cloudy. Temp is 91°F.

Location _____ Date 8/9/04

Project / Client _____

0700 Arrives onsite.
0800 Calibrates XRF
Calibration Detector #1707

Reading #	Standard	Reading (ppm)
1708	Low	20.2 ± 9.9
1709	Low	17.1 ± 9.6
1710	Med	1117 ± 48
1711	High	4929 ± 118

0810 START white enters alley. CMC is excavating the alley located behind 1289 & 1283 Allene Ave. The Alley runs parallel to Allene Ave.

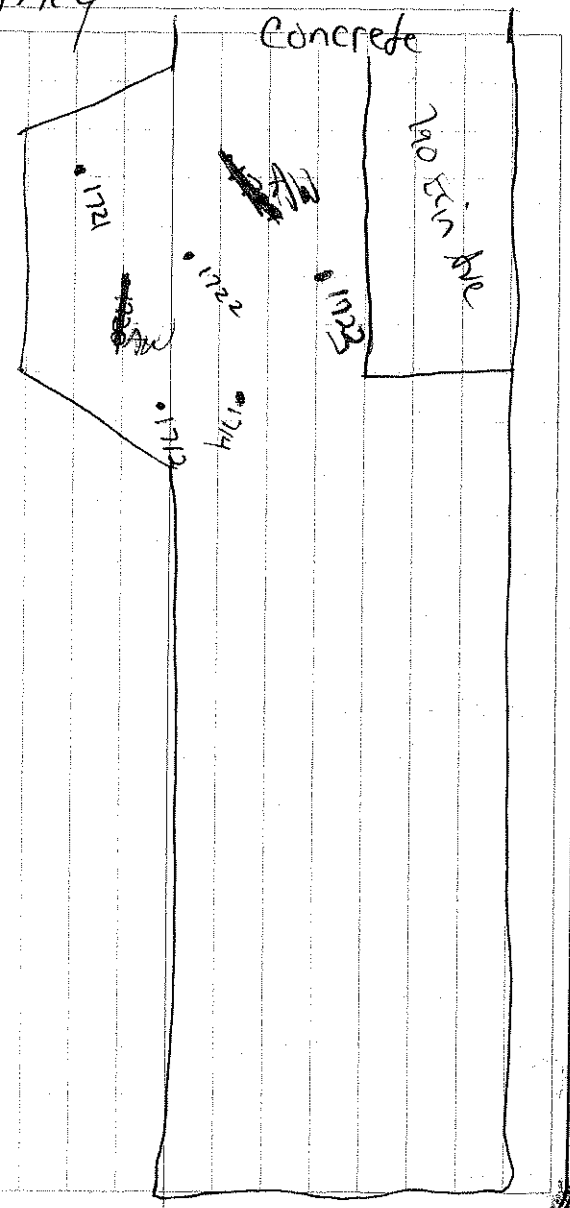
XRF Reading	Reading (ppm)
1712	25.4 ± 11.5
1714	79.9 ± 15.0
~~1720~~	AR
1721	93.0 ± 16.2
1722	235.0 ± 25.6
1723	211.6 ± 24.9
1727 XRF Cont for 1289 Allene	159.4 ± 20.7

0845 CMC backfilling frontyard of 1289 Allene Ave, while START collects soil sample for frontyard of 1289 Allene

Location _____ Date 8/9/04

Project / Client _____

The Alley



Location _____ Date 8/9/06

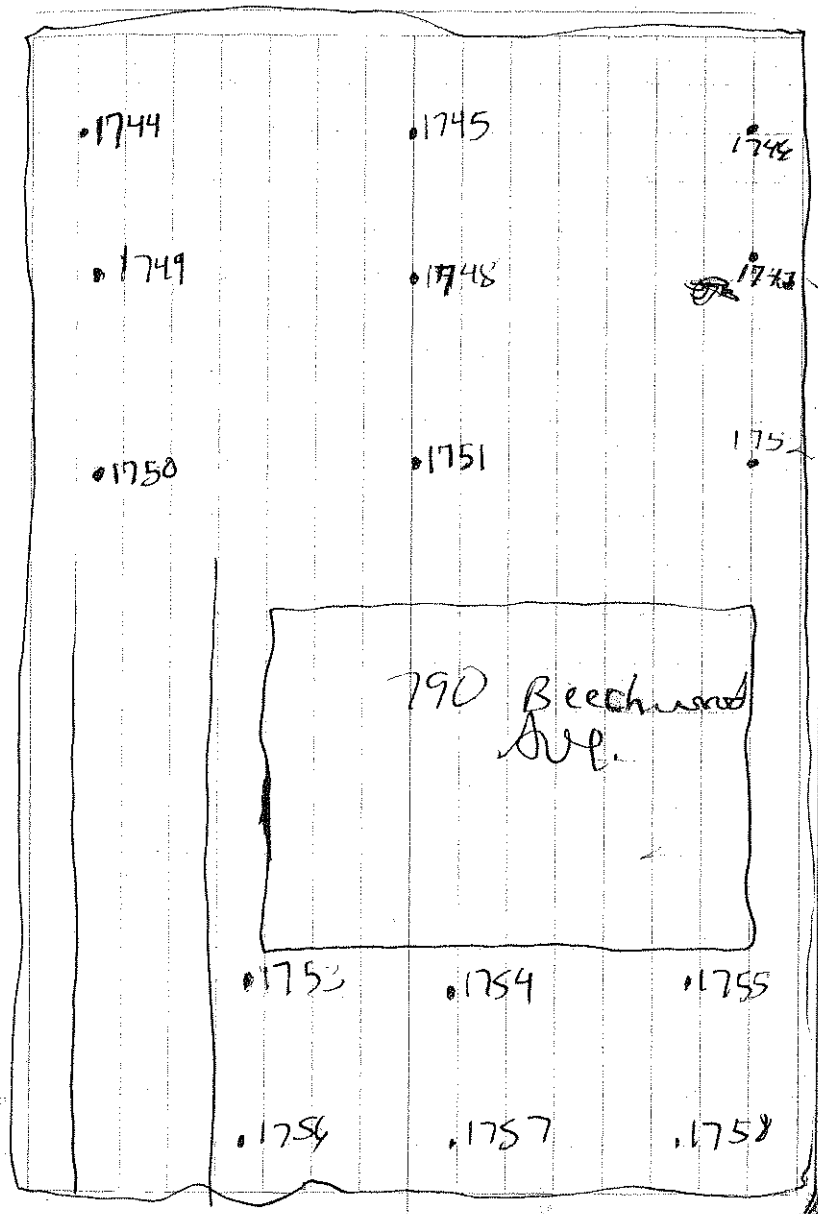
Project / Client _____

1149 Break
1223 Returned From Break
1243 CMC backfilling Front + back yard of 1289 Allene Ave. START White provides technical support + over site.
1500 START White arrives at 789 Beechwood Ave to screen the Frontyard of the property.
(Refer to pg 57 for Sample location Map)
~~1530 START White + CMC Bolan arrives at 790 Beechwood Ave.~~

Reading #	Reading (pCi/g)
1728	159.7 ± 30.7
1730	479.2 ± 43.9
1731	287.3 ± 38.4
1732	162.3 ± 35.3
1733	157.4 ± 27.5
1734	155.3 ± 24.6
1735	262.0 ± 32.5
1736	156.4 ± 24.8
1737	65.7 ± 19.2
1738	51.3 ± 33.2
1739	168.1 ± 39.0

Location _____ Date 8/9/06

Project / Client _____



Location _____ Date 8/9/04

Project / Client _____

Cont'd XRF Samples

Reading #	Reading (ppm)
1940	207.2 ± 30.4
1941	167.7 ± 32.1
1942	198.7 ± 28.0
1943	216.6 ± 30.7

~~790 Beech~~

1532 START White & CMC Bojan arrives at 790 Beechwood Ave to screen properly.

790 Beechwood Ave

XRF Reading #	Reading (ppm)
1744	113.1 ± 23.2
1745	79.4 ± 18.2
1746	74.9 ± 22.8
1747	146.8 ± 22.5
1748	104.9 ± 22.5
1749	142.1 ± 19.9
1750	127.6 ± 20.6
1751	160.8 ± 46.5
1752	113.3 ± 47.3
1753	118.0 ± 26.2
1754	131.3 ± 41.7
1755	107.8 ± 18.1

AW

Location _____ Date 8/9/04

Project / Client _____

XRF Reading #	Reading (ppm)
1756	135.9 ± 24.0
1757	135.5 ± 37.7
1758	257.1 ± 25.9

Location _____ Date 8/9/06

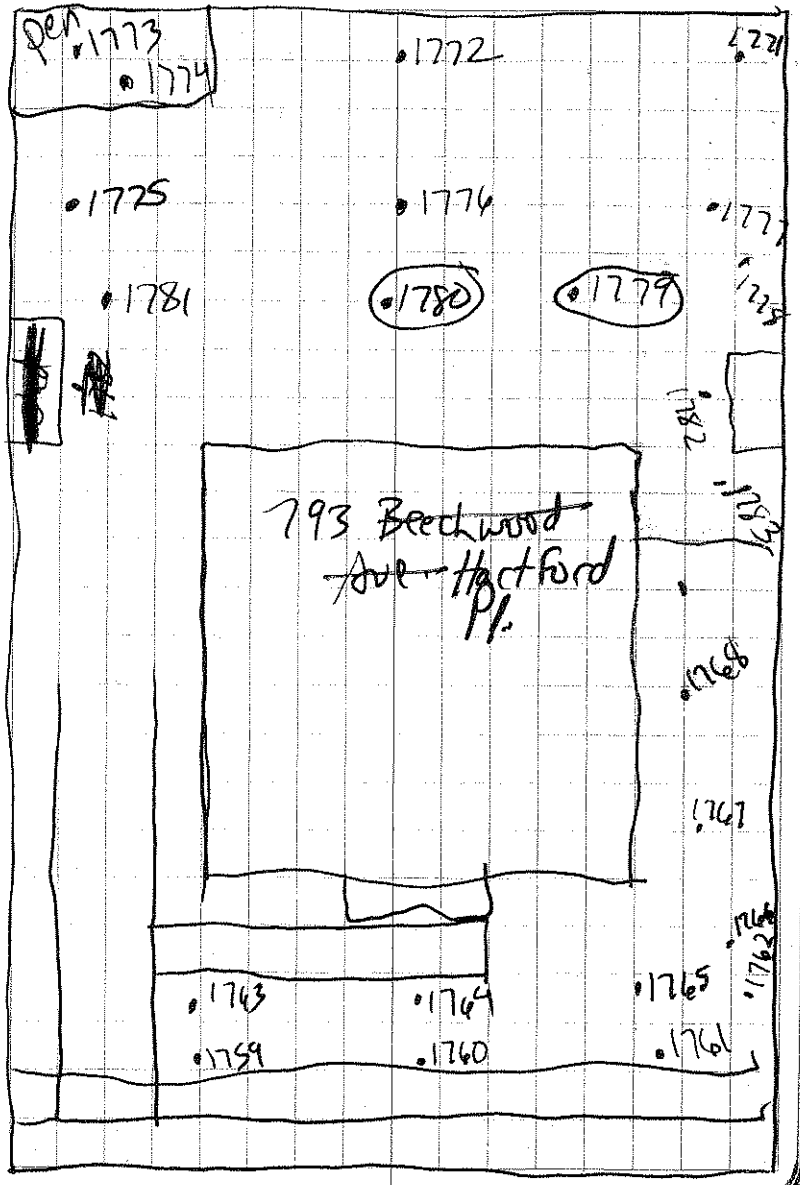
Project / Client _____

1640 START LCMC arrives at 793 ~~Beechwood Ave.~~ Hartford Pl. to do an assessment.

XRF Reading #	Reading (ppm)
1759	116.2 ± 27.8
1760	71.4 ± 38.7
1761	584.0 ± 45.3
1762	551.4 ± 44.0
1763	141.3 ± 27.7
1764	594.6 ± 41.9
1765	1132 ± 60
1766	485.5 ± 76.7
1767	607.0 ± 44.4
1768	941.4 ± 53.1
1769	500.1 ± 38.9
1771	265.0 ± 31.0
1772	164.8 ± 22.5
1773	306.7 ± 35.9
1774	354.7 ± 38.0
1775	262.8 ± 29.7
1776	176.6 ± 27.8
1777	193.1 ± 34.9
1778	157.7 ± 21.0
1779	226.6 ± 54.6

Location _____ Date 8/9/06

Project / Client _____



Location _____ Date 8/9/06

Project / Client _____

1793 Hartford Pl Cont'd

Reading #	Reading (ppm)
1780	449.5 ± 46.7
1781	289.0 ± 34.4
1782	626.0 ± 51.2
1783	707.0 ± 45.6

1730 START White leaves site. Weather is hot, sunny, Temp 94°F.

Location _____ Date 8/10/06

Project / Client _____

0700 START Cross on site along with the CRC crew of 8. Workers mobilized equipment to 1293 Allene to begin cleaning debris from back yard preparing to start excavation process.

PHOTO PROPERTY 1293 Allene

51) Front of Property 1293 Allene
50) Back of " looking East
49) " " " looking West
48) " " " Flowers
47) North side of Property 1293 Allene
46) Back of Property 1293 Allene
45) East side of Property 1293 Allene
44) Back of Property 1293 Allene

Cross calibrate KRF

CAL DETECTOR # 1784

CAL Detector # 1785

Location _____ Date 8/10/06

Project / Client _____

Crew prepare to begin excavating property located @ Allene. Workers started digging in the backyard of the property. START CROSS collected XRF readings during removal.

XRF Reading #	Stimulated	Reading (ppm)
1786	Low	<LOD = 9.6
1787	Medium	167.8 ± 16.7
1788	High	1495 ± 51

XRF Reading	Reading (ppm)
1789	238.9 ± 24.8
1790	56.5 ± 13.7
1791	186.7 ± 22.1
1792	108.9 ± 17
1793	56.8 ± 16.3
1794	29 ± 11.1
1795	87.8 ± 21.7
1796	102.4 ± 15.9
1797	56.9 ± 14.9
1798	205.3 ± 26.2
1799	162.7 ± 20.9
1800	152.6 ± 20

Location _____ Date 8/10/06

Project / Client _____

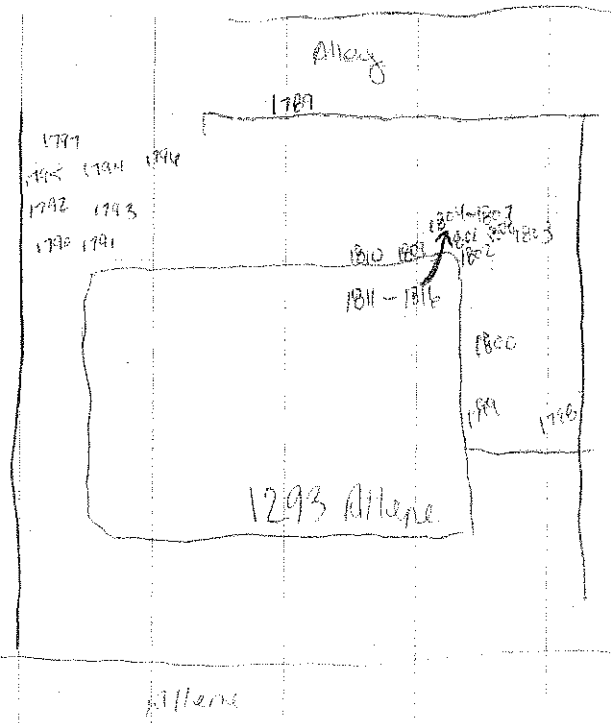
XRF Reading #	Reading (ppm)
1801	526.8 ± 39.4
1802	267.4 ± 25.4
1803	259.2 ± 21.9
1804	396.1 ± 30.9
1805	608.8 ± 42.5
1806	488.8 ± 35.8
1807	247.4 ± 23.5
1808	259.4 ± 24.7
1809	495.8 ± 44.6
1810	237.4 ± 27.7
1811	370.8 ± 29.4
1812	764.9 ± 39.8
1813	460.7 ± 30.3
1814	663.3 ± 48.6
1815	367.5 ± 30.7
1816	51.2 ± 13.0

1130 Lunch

Workers continue to excavate property located @ Allene. Rest remainder of shift w/no incidents.

Location _____ Date _____

Project / Client _____



Location _____ Date 8 11-06

Project / Client _____

0700 START CROSS on site w/CMC crew, workers mobilized equipment to job site to continue excavating property located @ 1293 Allene.

CROSS calibrated XRF to begin taking readings.

CDI Detector # 1817

Calibration #	Standard	Reading
1818	low.	<LOD = 9.6
1819	medium	161.9 ± 16.5
1820	high	1272 ± 45

0730 Crew begin excavating back yard area, START CROSS w/locked XRF samples during the course of excavation. XRF calibrated by CROSS. Some area (South side of house) will have to be hand shovel. No access for back hoe loader. Workers must excavate area approx. 2 ft. from drip line. CROSS screen area prior to final elevated leadcounts

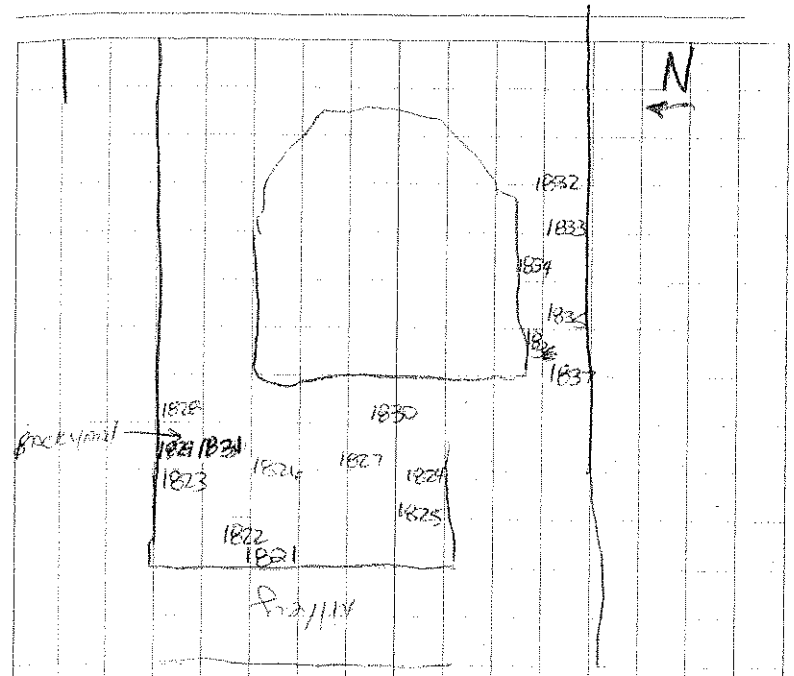
Location _____ Date 8-11-06

Project / Client _____

XRF Reading #	Reading (ppm)
1821	306.5 ± 24.8
1822	150.9 ± 17.5
1823	117.5 ± 15.6
1824	130.3 ± 16.1
1825	140.2 ± 16.7
1826	203.1 ± 22.3
1827	192.1 ± 19.2
1828	153.9 ± 17.0
1829	315.1 ± 25.8
1830	41.7 ± 11.2
1831	257.0 ± 23.0
1832	235.8 ± 21.6
1833	248.8 ± 22.3
1834	711.1 ± 38.0
1835	143.9 ± 17.6
1836	814.3 ± 39.0
1837	68.6 ± 16.2

Location _____ Date 8-11-06

Project / Client _____

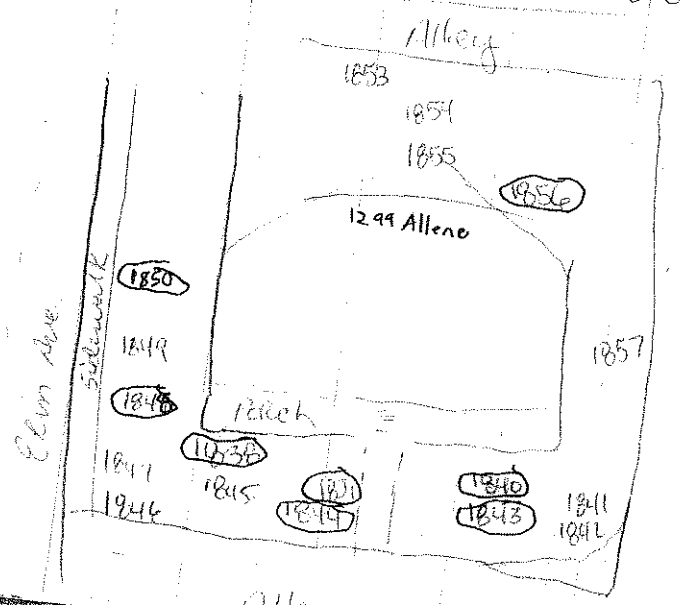


START CROSS collected pre screening XRF samples in front yard @ 1299 Allene.

XRF Reading #	Reading (ppm)
1838	980 ± 51.4
1839	1456 ± 55
1840	1138 ± 49
1841	242 ± 24.6
1842	291.2 ± 26.9
1843	431.2 ± 31.9

Project / Client Date 8-11-06

XRF Reading #		Reading (PPM)
1844	1299 Allene screening	378.2 ± 30.7
1845		154.1 ± 20.2
1846		89.6 ± 18.6
1847		75.0 ± 16.7
1848		790.4 ± 41.7
1849		334.3 ± 30.3
1850		117.3 ± 5.1
1851		325.4 ± 29.2
1852 (1293 Allene BACK DRIVE)		78 ± 14.9
1853		101.8 ± 16.3
1854		178 ± 22.0
1855		324.9 ± 28.8



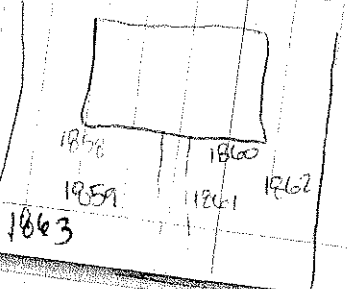
Location

Project / Client Date

XRF Reading #	Reading (PPM)
1856	109.1 ± 4.4
1857	121.4 ± 4.6

Workers date lunch 1130 - 1215
Crew continues to excavate backyard.
Complete excavation of backyard of 1299 and begin to backfill area.
CROSS START collecting screening XRF Readings @ front yard @ 1293 Allene.

XRF Reading #	Reading (PPM)
1858	130.2 ± 17.6
1859	143.3 ± 19.3
1860	161.5 ± 22.3
1861	86.9 ± 14.9
1862	131.1 ± 19.2
1863	198.8 ± 23.7



Location _____ Date 8-12-06

Project / Client _____

0700 START CROSS on site w/ Crew. Workers had safety meeting and mobilized to property located @ 1293 Allene.

Crew had to dig South side of property w/shovels and load out w/wheel barrels due to limited access to bring in heavier equipment

CROSS calibrated XRF CAE Detector # 1864

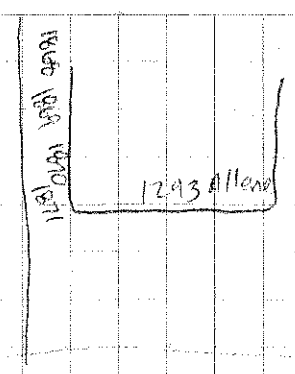
Calibration

XRF #	Standard	Reading
1865	Low	LOD=9.7
1866	medium	174.9 ± 17.3
1867	high	1319 ± 46

Reading #	Reading
1868	313.9 ± 24.6
1869	379.0 ± 28.2
1870	375.4 ± 26.5
1871	134.3 ± 18.8

Location _____ Date 8-12-06

Project / Client _____



Crew had to take breaks due to rains on + off.

1000 START White arrives onsite

1020 START team arrives at 793 Hartford Pl. Resident is not home

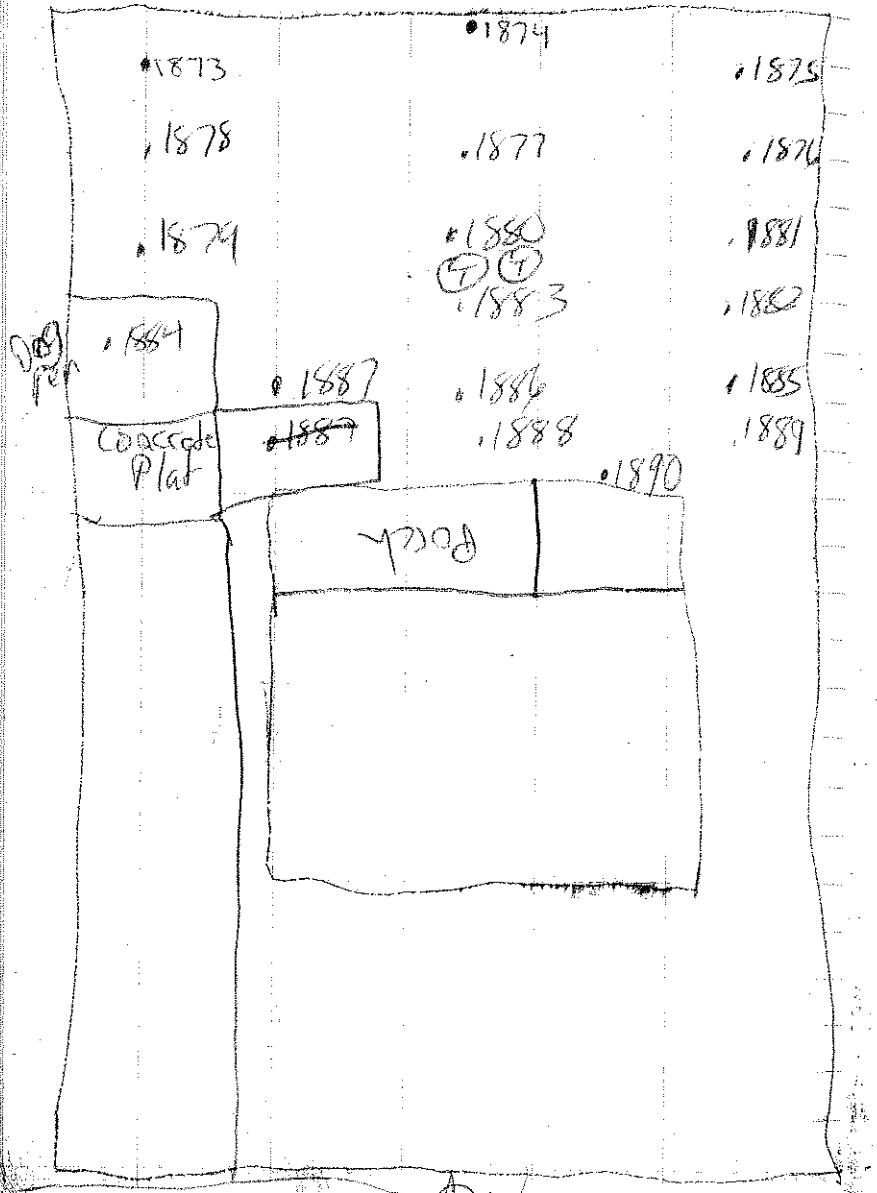
1030 START team arrives at Crin. Ave. Resident has stated that she is concerned about the property because she wants to purchase it very soon. Property has been sampled in the past and the results were below the removal level. START will consult with EPA regarding the removal

Location

Date 8/12/06

Project / Client

735 Erin Ave



Location

Date 8/12/06

Project / Client

735 Erin Ave XRF Readings

XRF Reading #	Reading (ppm)
1873	338 ± 27.5
1874	624.8 ± 34.8
1875	293.8 ± 25.4
1876	314 ± 26.1
1877	346.8 ± 26.7
1878	307 ± 25.9
1879	259.8 ± 24.4
1880	316.1 ± 27.5
1881	233.4 ± 22.2
1882	328.2 ± 28.1
1883	241.1 ± 20.9
1884	535.2 ± 34.4
1885	327.3 ± 25.5
1886	233.1 ± 22.8
1887	381.2 ± 25.6
1888	379.2 ± 27.0
1889	361.9 ± 27.2
1890	259.9 ± 24.1

Location _____ Date 8/12/06

Project / Client _____

decision. Several areas were above the limit.

1114 START White arrives at 1293 Allene Ave. The resident has stated that she assumed that her front yard would be excavated also. ~~She~~ The front yard was screened in situ, while the backyard was being excavated. The results are displayed on p. 101. START White will come back on monday evening to speak with the Resident again. The following properties ~~at~~ have requested to be screened:

793 Hartford Pl. ~~(Completed)~~ DW
791 Hartford Pl.
785 Erin Ave
1289 Allene Ave
1293 Allene Ave
1299 Allene Ave
735 Erin Ave
721 Erin Ave
690 Erin Ave.

DW

Location _____ Date 8/12/06

Project / Client _____

START White will attempt to screen all properties that have not yet been screened. EPA Bos has directed START to screen additional properties if the resident request, but within season.

1205 START White departs site. Weather is warm, rainy. Temp is 77°F.

DW

Location _ Date 8/14/06

Project / Client

0700 START White arrives onsite to attend the health & safety meeting.

0750 START White arrives at 1293 Allene Ave. CMC will be excavating the South side of the backyard. The excavation will be done by hand. Access is limited.

0812 START White Calibrates the XRF. Detector Cali# 1892

Reading #	Standard	Reading (ppm)
1893	Low	21.9 ± 10.2
1894	Med	1074 ± 47
1895	High	5288 ± 121

Reading #	(Test)	Reading (ppm)
# 1896		1306 ± 51
#1897		201.4 ± 18.4

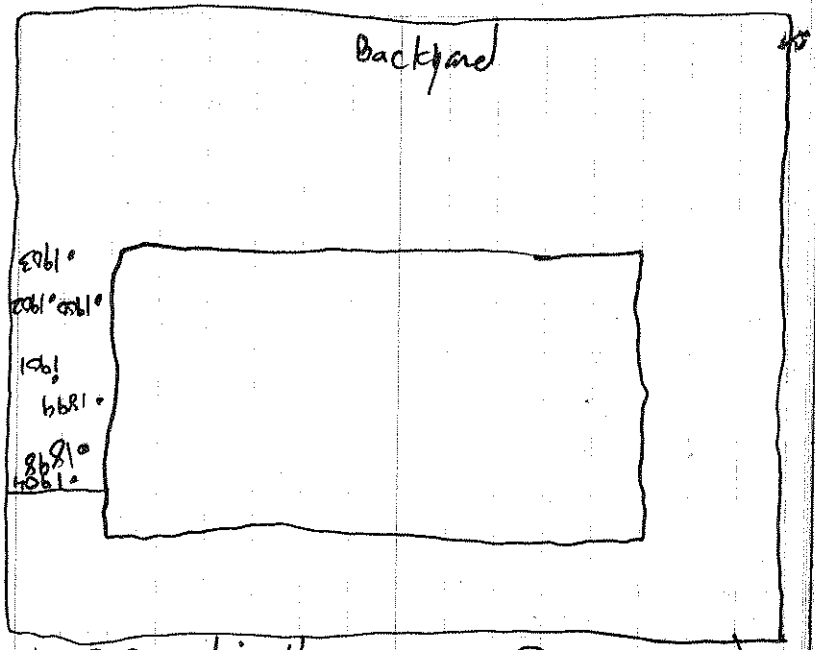
0835 START White enters the backyard of 1293 Allene Ave. to take XRF confirmation readings.

0900 CMC delivers a load of rocks. Because the rocks are mixed with a high content of

AW

Location _ Date 8/14/06

Project / Client



XRF Reading #	Reading (ppm)
1898	138.5 ± 18.4
1899	209.2 ± 30.2
1900	315.2 ± 25.8
1901	368.3 ± 32.4
1902	181.1 ± 20.6
1903	166.6 ± 20.9
1904	84.5 ± 14.4

cold Soil, START White takes an XRF Confirmation Sample.

Reading #	Reading ppm
1907	46.4 ± 23.8

AW

Location _____ Date 8/14/06

Project / Client _____

0945 EPA Bass arrives onsite. START White updates her on the status of every property. EPA Bass gives START White a copy of the access agreements for 1272, 1276, & 1293 Allene Ave.

1120 START White arrives at 785 Erin Ave. to speak w/ the person present at the ~~site~~ residence. A young man & woman, Mr & Mrs. Dunne are present at the home. Mr. Dunne stated that he is a partner of the owner & his wife is the realtor for the house. Mr. Dunne, who prefers to be called Patrick, number is 770-757-3539 & Jerome, the owner's number is 404-966-5556. START White will screen the property per Jerome's requests. START White ~~arr~~ departs resident.

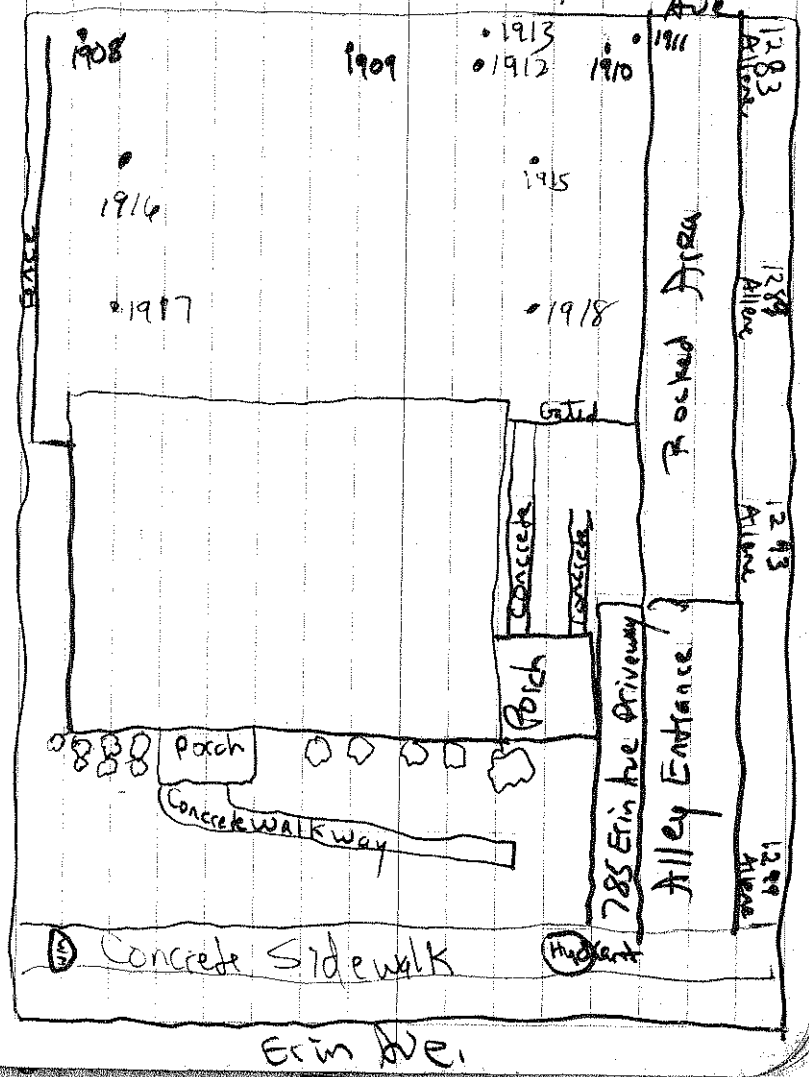
1142 Lunch

1121 Returns from lunch

Location _____ Date 8/14/06

Project / Client _____

1130 Arrives back at 785 Erin Ave. XRF Sample location map 785 Erin



Location _____ Date 8/14/06

Project / Client _____

1250 START White concludes that no Further actions are needed. XRF samples were taken at different depths and no Sample results were over 250 ppm.
CMC is backfilling the backyards of 1283 + 1289.
0200 CMC is grading the soil in preparation for the sod.
0530 START White Collects confirmation sample for 1289 Allene Ave.
XRF Confirmation

Reading #	Reading (ppm)
1919	99.7 ± 15.4
1920	95.9 ± 14.7

0610 START White arrives at 1293 Allene Ave. The resident states that she would like her front yard retested. She is not comfortable with the previous screening. START White assured her that she will rescreen the property on tomorrow.
SW

Location _____ Date 8/14/06

Project / Client _____

785 Erin Ave. XRF Readings

Reading #	Reading (ppm)
1908	123.3 ± 17.6
1909	112.4 ± 15.3
1910	220.4 ± 21.4
1911	322.0 ± 27.2
1912	187.5 ± 40.8
1913	278.9 ± 29.6
1914	164.7 ± 51.7
1915	282.6 ± 23.7
1916	207.4 ± 19.8
1917	116.3 ± 17.3
1918	202.1 ± 19.5

SW

Location _____ Date 8/15/06

Project / Client _____

0700 START White calls Enterprise to so that they Could Come and Check the tire.
Note: START had a Flat tire on yesterday. Enterprise was called out, but there are still problems.

0955 START White arrives onside. CMC is laying sod at 1289 + 1293 Allene Ave.

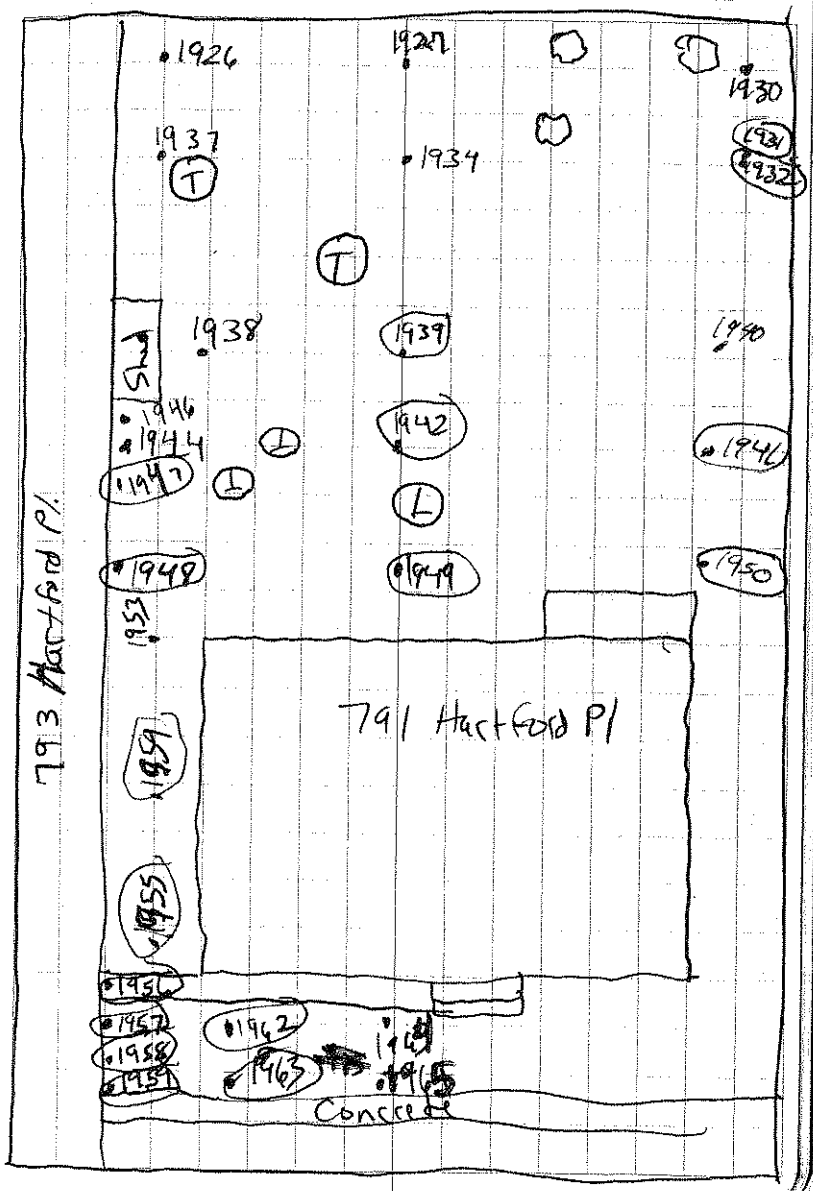
1112 START arrives at 791 Allene Ave to do an in Field Screening
The XRF is calibrated. Det Cal. 19

Reading #	Standards	Reading (ppm)
1923	Low	20.8 ± 10.2
1924	Med	1095 ± 48
1925	High	5164 ± 121

1148 Lunch
1215 Returned from lunch
Note: CMC continue to lay sod at 1289 + 1293 Allene Ave. START White returns to 791 Hartford Pl to Screen property.

Location _____ Date 8/15/06

Project / Client _____



Location _____ Date 8/15/06

Project / Client _____

791 Hartford Pl.

Reading#	Reading (ppm)
1926	316.4 ± 32.5
1927	214.9 ± 23.6
1930	312.5 ± 29.1
* 1931	373.3 ± 28.8
* 1932	398.0 ± 30.6
1934	345.5 ± 33.2
1937	303.5 ± 29.9
1938	314.5 ± 44.5
* 1939	583.1 ± 38.2
1940	315.6 ± 35.7
* 1941	596.6 ± 47.8
* 1942	536.0 ± 34.7
1944	331.3 ± 30.4
1946	321.3 ± 32.7
* 1947	403.3 ± 39.4
* 1948	391.9 ± 32.2
* 1949	530.9 ± 37.0
* 1950	609.1 ± 38.2
1953	339.6 ± 41.0
* 1954	590.7 ± 41.3
* 1955	604.0 ± 82.0
* 1956	433.9 ± 30.4

Location _____ Date 8/15/06

Project / Client _____

Readings#	Reading (ppm)
* 1957	602.6 ± 41.7
* 1958	441.1 ± 37.7
* 1959	446.8 ± 38.5
* 1962	418.2 ± 78.9
* 1943	457.1 ± 31.7
1964	279.1 ± 35.3
1965	315.8 ± 25.7

1350 START White collects soil sample ESB-791 Hartford Pl. As START White begins to collect the TCLP sample for frontyard, it begins to rain.

1456 The rain stops. Work resumes (when rain is accompanied by thunder & lightening, work stops)

1512 START White enroute to send e-mails & estimates

1537 START White returns to 1272 Allene. CMC has begun clearing debris from property. Work is expected to begin at this property on tomorrow. Weather is cloudy. Temp is 78°F.

Location _____ Date 8/16/06

Project / Client _____

0700 START White arrives onsite at Ezell Trucking Co. to attend the health & safety meeting.

0747 START White & CMC arrives at 1272 Allene Ave. CMC ~~to~~ ~~finishes~~ AW clears debris from property.

0930 START White Calibrates the XRF. Cal. Detector # 198

Reading #	Standards	Reading
1969	Low	18.2 ± 4.5
1970	Med	1102 ± 48
1971	High	5460 ± 124

0950 START White Completes ~~an~~ a screening at 1272 Allene before excavation begins.

1026 The owner of 787 Hartford Pl. inquired about having this property tested. His name is Bernard Griffin. His mom Frances Ash is the owner also. START White will do the Assessment by Sat.

Frances Ashe 773-921-9581

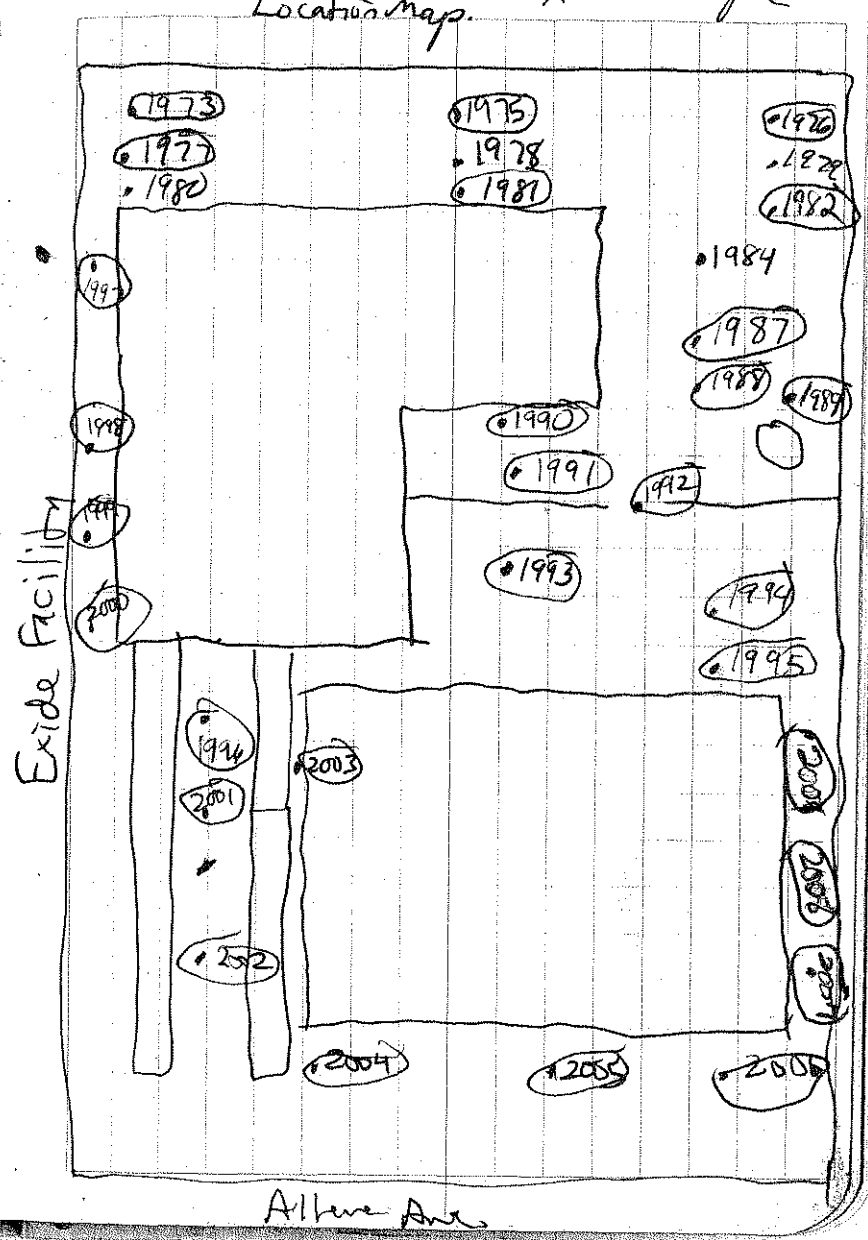
Bernard Griffin 678-984-3381

AW

Location _____ Date _____

Project / Client _____

1272 Allene XRF Sample Location Map.



Location _____ Date 8/16/06

Project / Client _____

START White informs Mr. Griffin that it may be Sat. before she can get to his property. He called his mom and wanted to speak with START White. START White ~~will~~ relayed the plan for her property. She stated that it was OK to proceed. She is in Chicago now, but she will be back in Atlanta on Monday or Tuesday.

CMC is excavating the backyard of 1272. The property has two homes on it. The home in the back is 1272-B & the one in the front is 1272A.

XRF Reading #	1272 Allene Reading ppm
1973	663.9 ± 38.9
1975	409.5 ± 34.2
1976	560.0 ± 78.3
1977	427.4 ± 34.5
1978	260.1 ± 34.0
1979	155.7 ± 29.7
1980	186.2 ± 20.6

AW

Location _____ Date 8/16/06

Project / Client _____

1272 Allene cont'd

XRF Reading #	Reading ppm
1981	592.3 ± 40.4
1982	415.2 ± 51.6
1984	199.3 ± 32.2
1987	706.7 ± 35.8
1988	506.0 ± 32.9
1989	490.4 ± 30.3
1990	581.6 ± 32.3
1991	553.3 ± 33.7
1992	495.1 ± 31.8
1993	619.2 ± 35.8
1994	612.3 ± 34.4
1995	622.0 ± 34.2
1996	772.6 ± 38.4
1997	743.1 ± 39.0
1998	562.2 ± 32.9
1999	967.1 ± 49.9
2000	896.4 ± 64.9
2001	652.3 ± 50.2
2002	643.5 ± 49.3
2003	946.9 ± 65.5
2004	409.7 ± 25.8
2005	817.1 ± 60.1
2006	579.2 ± 39.4 ~~593.0~~

Location _____ Date 8/16/06

Project / Client _____

XRF Reading #	Reading (ppm)
2007	1072 ± 50
2008	9737 ± 493
2009	894.0 ± 406

1135 Lunch

1158 Return from lunch

1210 CMC TSA Prepares to excavate backyard of 1272 Allene Ave.

1300 START White calls Angela, the agent for 741 Erin Ave to let her know that she will fax the requested information on tomorrow. Angela has requested that START White fax over the access agreement and some historal and analytical data.

1309 START White enters back yard of 1272 Allene Ave to take XRF confirmation readings. START White will remain here until 1700. Weather is hot, sunny, Temp is 91°F.

AW

Location _____ Date 8/16/06

Project / Client _____

1272 Allene Photolog

	Date	Taken By	Direction	Description
1	8/16/06	AW	E	1272 Allene Ave (1272A)
			S	1272 Allene Ave North side
			N	Southside of Property
			NE	"
			NE	Back Corner of house
			N	Damage to Back of House
			W	Missing Block on back of house
			NW	Damage to Back Door
			NE	Debris on ground in backyard
			NE	Front of 1272-B
			NE	Side of 1272-B
			W	Back of 1272-B
			SE	Backyard of 1272 Allene Ave
			NW	Missing Bricks on Back of 1272B
			N	Backyard of 1272 Allene Ave

AW

Location

Date 8/16/04

Project / Client

Date	Taken By	Direction	Description
8/16/04	AW	SW	Fence between 1272 & 1276 Allene

1272 Allene XRF Confirmation Log

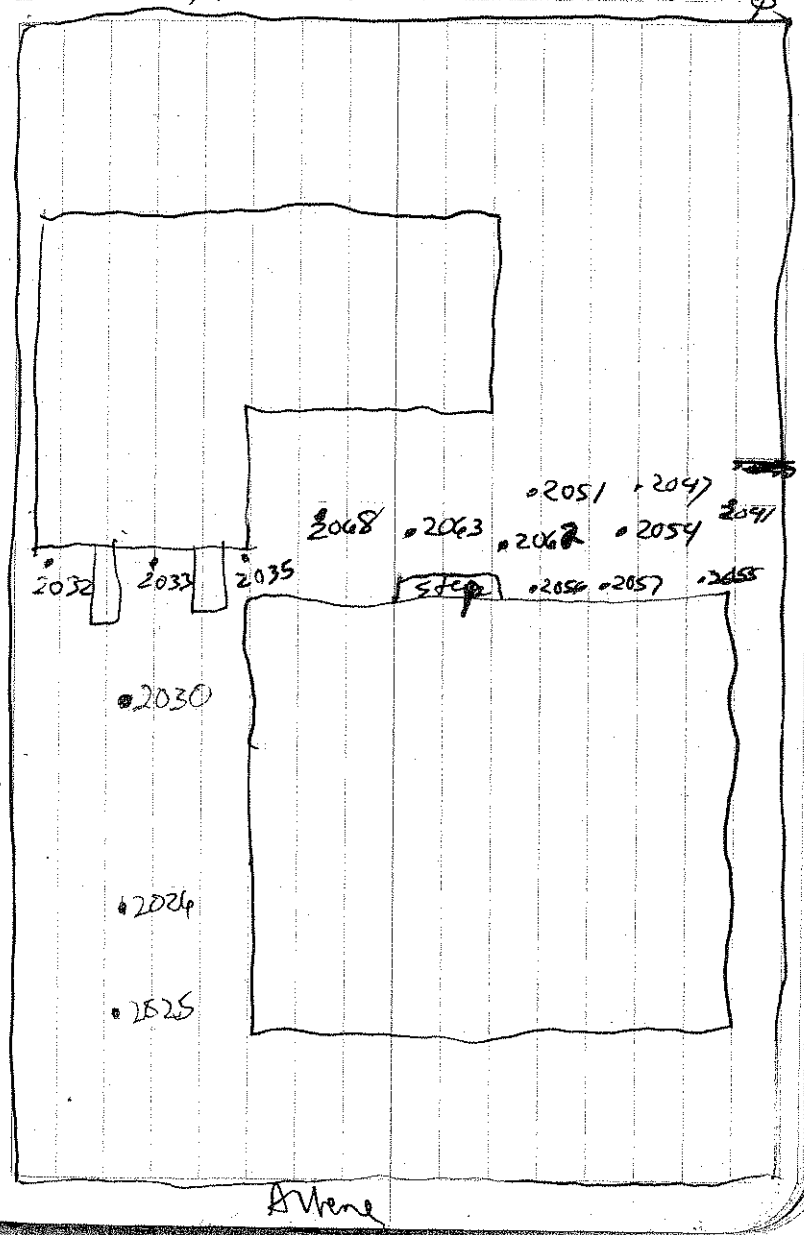
Reading #	Reading (ppm)
2025	101.1 ± 22.1
2026	64.0 ± 14.4
2030	59.3 ± 14.9
2032	56.6 ± 12.8
2033	86.7 ± 36.0
2035	46.7 ± 13.5
2041	196.3 ± 21.5
2047	166.5 ± 24.5
2051	82.3 ± 21.5
2054	90.5 ± 16.4
2055	213.3 ± 22.8
2056	208.9 ± 22.7
2057	269.2 ± 25.1
2062	177.6 ± 23.4
2063	129.5 ± 21.1
2068	172.3 ± 21.8

Location

Date 8/16/04

Project / Client

1272 Allene Ave. Confirmation Readings



Location _____ Date 8-17-06

Project / Client _____

0700 START CROSS on site along w/CMC. Crew conducts safety meeting then mobilize equipment to 1272 Allene to begin excavating back yard.

CROSS calibrated XRF.
CAL Detector # 2070

CAL READING #	STANDARD	Reading (PPM)
2071	LOW	29.9 ± 11.1
2072	MEDIUM	1031 ± 47
2073	HIGH	4682 ± 113

START CROSS collected XRF Readings during excavation @ property 1272. ~~Photos Also taken.~~

1130 Lunch

Excavation continues throughout shift w/ no incidents.

1730 OFF site.

Page 129-130 (MAP & XRF Readings)

During course of work plastic gas line was puncture. CMC notified Gas Co.

Location _____ Date 8-18-06

Project / Client _____

0700 CROSS on site along w/CMC. Workers mobilized equipment to property located @ 1276 Allene. Workers begin excavating the back yard of property.

START CROSS collected XRF Readings during excavation procedures.

Atlanta Gas & Light Co. on site @ 1272 Allene to Repair gas line puncture.

Caldetector Readings # 2122

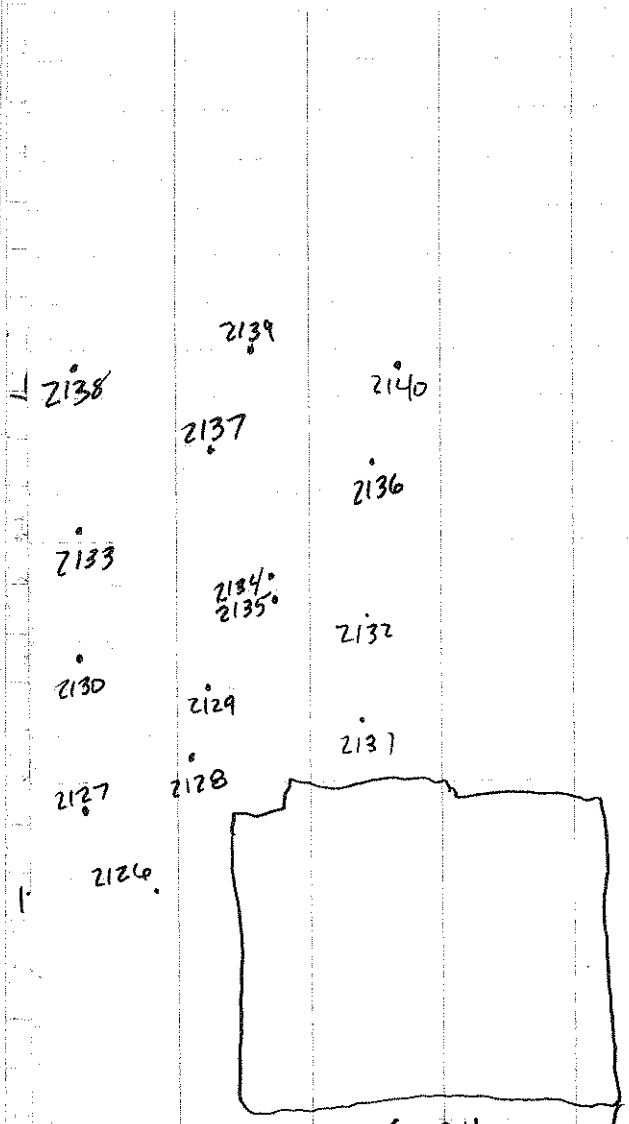
CAL Reading	Standard	Reading (PPM)
2123	LOW	23.6 ± 10.9
2124	Medium	968.2 ± 46.3
2125	HIGH	4814 ± 111

Crew continue excavation w/no incidents.

1200 off site.

Location _____ Date _____

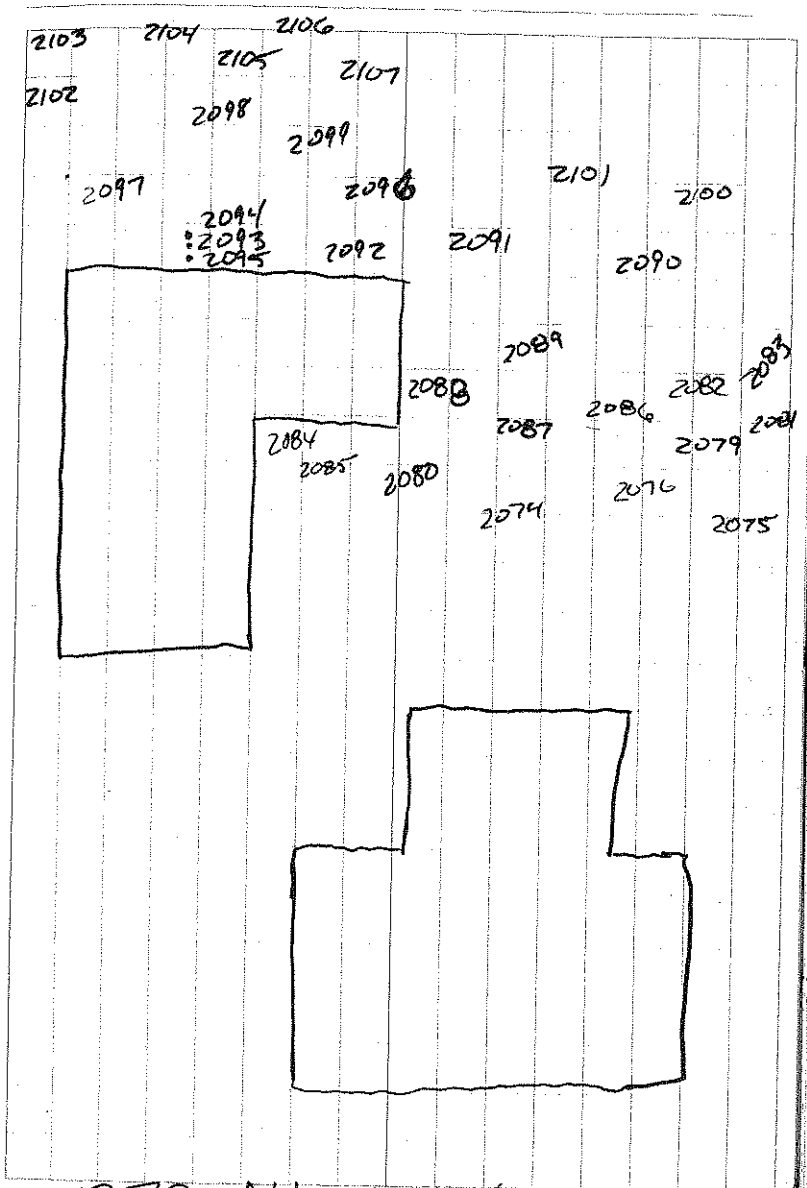
Project / Client _____



1276 Allene 8/18/06

Location _____ Date _____

Project / Client _____



1272 ALLENE AVE

8-24-06

0700 START CROSS on site along w/ CMC to continue excavating property located @ Eim. Weather is rainy so crew waits until rain stops to continue diggins.

XRF Calibrated

~~Cal detector~~ Cal detector # 2310

Calibration:

XRF Reading #	Standard	Reading (PPM)
2311	LOW	17.7 ± 9.6
2312	medium	1015 ± 48
2313	high	4175 ± 118

CROSS takes XRF Readings of back yard @ property ERIN during excavation.

XRF Reading #	Reading (ppm)
2314	98.7 ± 19.2
2315	186.7 ± 23.2
2316	74.5 ± 16.4
2317	277.6 ± 25.3
2318	282.3 ± 25.8
2319	233.0 ± 25.4
2320	

XRF Reading #	Reading (PPM)
2321	133.8 ± 19.6
2322	51.8 ± 12.7
2323	17.6 ± 10.3
2324	240.6 ± 27.5
2325	311.1 ± 29.9
2326	120.4 ± 18.5
2327	37.5 ± 12.4
2328	136.3 ± 19.2
2329	22.8 ± 11.9
2330	40.3 ± 12.7
2331	126.1 ± 18.7

@ Crew completed excavating and began to load up equipment. No incidents during shift. Off site @ 1740

8.25.06

0700 START CROSS on site along w/CMC crew to begin excavation of property located @ 1276 and 1272A front + side yards. Workers also begin to backfill property on Erin.

XRF CAL Detector #2332

Calibration readings

Reading #	Standard	Reading (ppm)
2333	LOW	26.3 ± 10.5
2334	MEDIUM	1069 ± 49
2335	HIGH	4910 ± 153

Reading #	Reading (ppm)
2336	628.0 ± 38.1
2337	37.8 ± 12.0
2338	799.0 ± 47.4
2339	184.7 ± 21.5
2340	779.9 ± 44.6
2341	139.5 ± 19.9
2342	321.5 ± 31.9
2343	340.7 ± 25.9
2344	113.0 ± 16.6
2345	104.1 ± 16.2

Reading #	Reading (ppm)
2346	142.6 ± 18.6
2347	57.5 ± 12.9
~~2348~~	
2349	237.4 ± 21.4
2350	192.4 ± 20.9
2351	76.3 ± 14.8
2352	165.3 ± 30.2
2353	129.8 ± 19.0
2354	345.7 ± 28.8
2355	751 ± 49.8
2356	36.5 ± 12.3
2357	702.4 ± 39.8
2358	261.7 ± 25.8
2359	63.0 ± 13.6
2360	318.5 ± 26.8
2361	64.0 ± 14.6
2362	65.8 ± 15.0
2363	484.1 ± 70.5
2364	668.6 ± 36.8
2365	274.8 ± 29.7
2366	1516 ± 94
2367	692.5 ± 56.3
2368	797.2 ± 82.3
2369	63.6 ± 14.2
2370	518.8 ± 35.5

Reading #	Reading (ppm)
2371	152.4 ± 20.5
2372	483.9 ± 51.0
2373	164.4 ± 27.2
2374	168.9 ± 30.6
2375	566.4 ± 64.6
2376	178.1 ± 47.4
2377	154.5 ± 24.9
2378	207.2 ± 22.3
2379	145.9 ± 19.7
2380	379.1 ± 39.7
2381	164.6 ± 20.3
2382	94.8 ± 16.6
2383	140.3 ± 58.6
2384	88.8 ± 16.2
2385	37.8 ± 10.2
2386	104.9 ± 16.5
~~2387~~	
2388	431.0 ± 64.4
2389	74.0 ± 15.2
2390	722.0 ± 109.8
2391	35.2 ± 13.0
2392	36.6 ± 12.5
2393	70.0 ± 15.7
2394	290 ± 29.6
2395	477.7 ± 33.2
2396	243.9 ± 25.3
2397	122.3 ± 18.3
2398	76.6 ± 15.3

1140 Lunch

Workers continue to excavate property on Allene and backfill @ property on Erin for remainder of shift. Spoke w/ Chuck Berry on no START work for Saturday. Off site @ 1730.

8/29/2006

1100 START White arrives ~~at~~ onsite.

1145 START White departs site en route to Tetra Tech.

1222 START White returns onsite to perform oversight duties.

1540 START White calibrates the XRF.

Calibration Detector # 2399

Reading #	Standards	Reading (ppm)
2400	Low	17.3 ± 1.6
2401	Med	1104 ± 48
2402	Hi	5339 ± 118

Void Test Shots
2404–2409

1612 START White arrives at 787 Hartford Pl. to screen property. START White notes that the gate is locked.

1629 Ms. Hayes from 786 Hartford Pl. approaches START. She informs START White that the resident had departed the property and she will be back later.

1637 START White returns to 1272 Alkene Ave to perform oversite.

1715 START White departs site. Temp 87°F.

AW

8/30/06

0700 START White arrives onside.
0732 START White arrives at 787 Hartford Pl. Resident is Still in bed.
0835 START White arrives back at 787 Hartford Pl to see if the resident is available
Calibration Detect # 2410

Reading #	Standards	Reading (ppm)
2411	Low	21.2 ± 10
2412	Med	1092 ± 48
2413	High	5211 ± 119

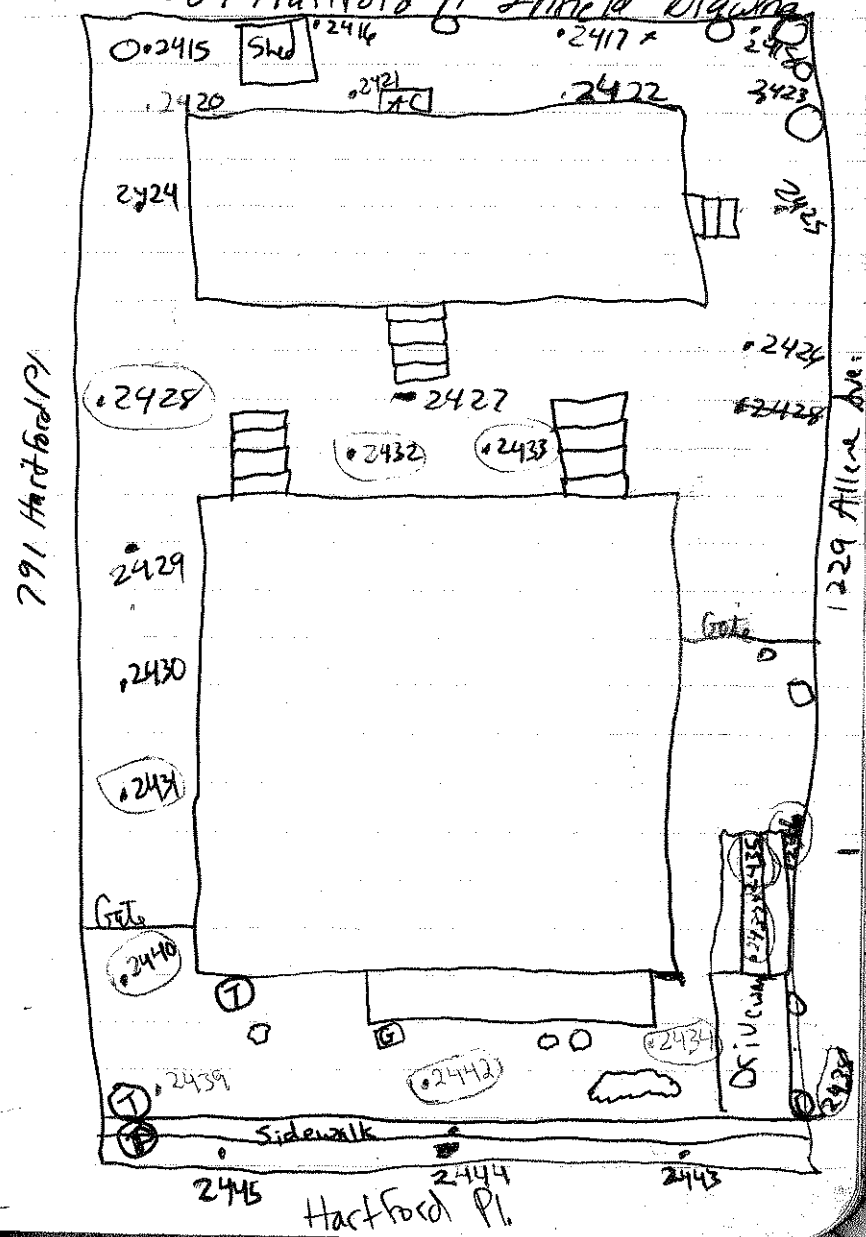
787 Hartford Pl. XRF Readings

Reading #	Reading (ppm)
2415	244.6 ± 30.5
2416	322.6 ± 30.6
2417	264.1 ± 34.2
2418	219.9 ± 27.2
2419	Void
2420	224.7 ± 30.5
2421	223.8 ± 24.8
2422	230.6 ± 32.5
2423	213.7 ± 28.2
2424	248.5 ± 33.4
2425	299.2 ± 39.1

AW

8/30/06

787 Hartford Pl Infield Drawing



8/30/2004

787 Hartford Pl XRF Readings Cont'd

Reading #	Reading ppm
2426	291.2 ± 35.2
2427	284.5 ± 40.2
2428	336.2 ± 59.7
2429	186.0 ± 23.7
2430	175.3 ± 28.7
2431	533.1 ± 41.4
2432	789.0 ± 58.4
2433	634.5 ± 48.9
2434	378.0 ± 31.7
2435	523.1 ± 39.1
2436	486.8 ± 42.3
2437	439.5 ± 39.3
2438	496.6 ± 42.0
2439	123.9 ± 50.6
2440	329.8 ± 35.5
2441	122.9 ± 20.7
2442	445.5 ± 39.3

0900 START Notes that there are two houses on this property. The house located on the back of the property was built recently. This may ~~be~~ explain why the soil surrounding this house is not contaminated.

AW

787 Hartford Pl XRF Reading Cont'd

Reading #	Reading (ppm)
2443	455.9 ± 40.3
2444	462.1 ± 37.7
2445	322.2 ± 30.0

Cont'd However, the soil surrounding the original house on the property is contaminated.

1102 START White collects one sample for 787 Hartford Pl, ESB-787 Hartford Pl. One sample was collected for the entire property because only half of the property was contaminated.

1120 START White collects a TCLP sample for 791 Hartford Pl frontyard. The backyard sample was collected at an earlier date. The weather was too bad so START White had to cease work.

1140 START White is stopped by Ms. Ashe, the resident from 787 Hartford Pl.

AW

8/30/04

cont'd Ms. Ashe wanted to know approx. when ~~work~~ work will start on her property.

1230 START White ~~arrives at 793 Hartford Pl to~~ to lunch.

START White arrives at 793 Hartford Pl to collect TCLP samples. 2 Samples will be collected

1310 ESB - 793 Hartford - SBF6 &
ESD - 793 Hartford - SBB6. START White also retains access to the property.

1517 Break
1526 Resumes work
1550 CMC is backfilling
1700 CMC prepares to leave site.
Weather is hot, sunny

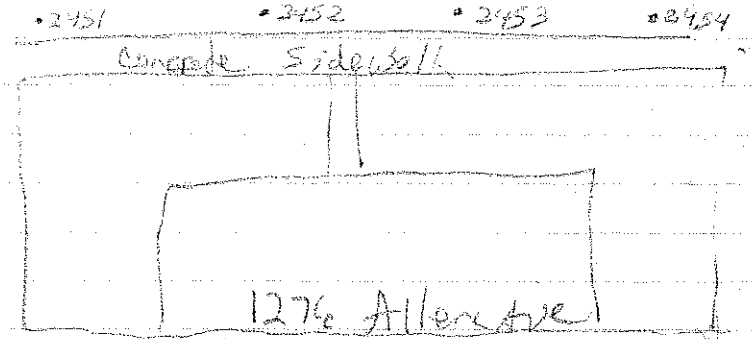
Wednesday 9/6/06

0700 Arrives on site
0732 Calibrates XRF.
Cal Det # 2447

Reading #	Standards	Reading (ppm)
2448	Low	22.7 ± 10.2
2449	Med	1124 ± 48
2450	High	7225 ± 103

0820 CMC excavates sidewalk area at 1276 Allene Ave.

1276 Allene Sketch Map



XRF Reading #	Reading (ppm)
2451	119.1 ± 26.5
2452	127.3 ± 21.2
2453	225.4 ± 23.9
2454	60.5 ± 14.6

0915 Break

AW

9/6/06

1000 CMC excavates sidewalk area of 1272 Allene Ave.

Allene Ave.
•2455 •2456

XRF Reading #	Reading (ppm)
2455	247.5 ± 26.1
2456	120.4 ± 19.1

1130 Lunch
1200 Returned from lunch.
1202 CMC begins backfilling.
START provides oversight during backfilling activities. CMC is backfilling 3 properties simultaneously.
1230 START pickup departs site. Weather is cloudy. Temp is 84°F.

AW

9-7-06

0700 START Cross on site along w/cmc crew. workers mobilize to start backfilling w/TopSoil property located @ 1276 Allene and 1272 Allene. Some areas wet and soil to soft to top soil.

0930 Break

1130 Lunch

Crew continued to backfill properties on 1272A, 1276 Allene. Sod wont be available until saterday 9/9/06. Workers remove large tree stumps from alley beside property located @ ERIN. Continue to backfill remainer of top soil and Remove large debris. No incidents during shift.

1730 off site

9-8-06

0700 START Cross on site w/cmc. Crew begin restoring property items @ Allene. No top soil available due to wet weather. Crew mobilize and SET up to start clearing back yard @ ERIN. chain saw used to cut small trees and large bushes.

1145 LUNCH.

Crew continue to cut down trees/bushes and clear other debris from property located @ ERIN. work continues through the end of shift w/no incidents

1730 off site.

9-9-06

0700 START Cross on site w/cmc. Crew mobilized equipment and begin moving pallets of sod to properties on 1272A Allene and Erin.

Cross set up to begin screening property located @ 960 Erin for Lead in soil.

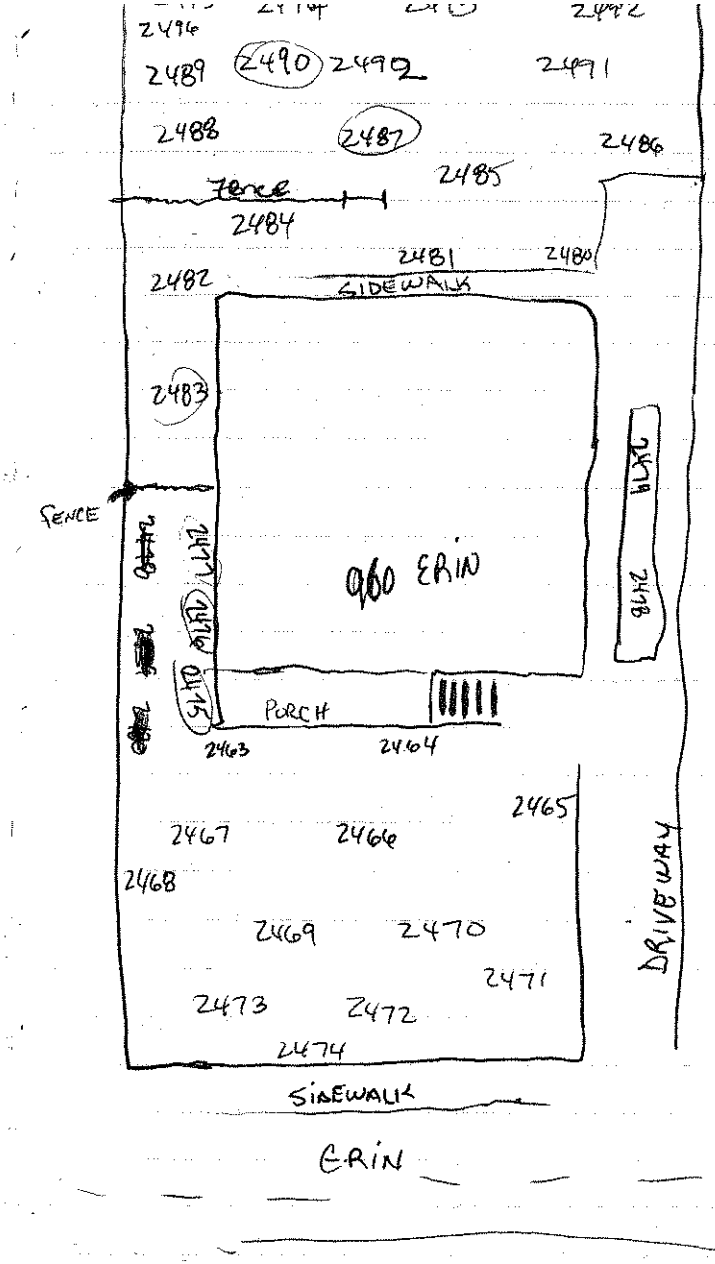
XRF Analyzer calibrated.

Caldetector # 2459

Cal Reading #	Standard	Reading (ppm)
2460	Low	20.4 ± 9.9
2461	medium	1081 ± 48
2462	High	4219 ± 99

Workers continue to lay sod throughout shift. w/no incidents.

Jerry Bew 404-468
690 Erin Ave 2873



Lead in Soil Screening 690 Erin

XRF Reading #	Reading (ppm)
2463	197.3 ± 23.3
2464	119.4 ± 17.4
2465	120.9 ± 15.0
2466	171.6 ± 17.9
2467	93.1 ± 14.9
2468	95.8 ± 15.6
2469	92.8 ± 14.2
2470	26.8 ± 9.9
2471	42.8 ± 13.4
2472	23.4 ± 8.9
2473	74.8 ± 14.6
2474	71.2 ± 14.9
2475	* 582.6 ± 37.9
2476	* 837.4 ± 45.9
2477	* 1458 ± 56
2478	129.8 ± [redacted] 19.9
2479	154.6 ± 19.0
2480	64.6 ± 12.3
2481	59.7 ± 13.1
2482	180.8 ± 18.4
2483	* 423.7 ± 30.4
2484	234.8 ± 21.4
2485	76.2 ± 17.0
2486	98.6 ± 16.5
2487	* 414.0 ± 26.9

XRF Reading #	Reading (ppm)
2488	290.7 ± 26.9
2489	
2490	372.5 ± 37.3
~~2491~~	omit
2492	236.1 ± 21.7
2493	69.1 ± 13.7
2494	120.6 ± 19.7
2495	95.8 ± 17.7
2496	336.0 ± 36.0

9/13/06

0657 START arrives onside at 703 Erin Ave. Photo documentation will be done at this address and at 707 Erin Ave.

0720 START White takes photos at 703 Erin Ave (Photolog p. 135)

0739 START White takes photos at 707 Erin Ave. (Photolog p. 136)

0810 Mamie Messit, owner of 713 Erin Ave approaches START White & agrees to have her property screened.

0830 CMC is clearing brush from the backyard of 703 Erin Ave.

1030 EPA Boss arrives onsite.

1110 The trackhoe that CMC is utilizing to excavate properties has problems. CMC staff attempts to fix the equipment.

1136 START White to lunch, EPA Boss departs

1207 START White returns.

1229 CMC is still repairing the excavator.

1245 CMC uses the skidsteer to continue moving brush from

9/13/06

the property.

1430 CMC is still repairing equipment.

1520 START White calibrates the XRF to begin screening 713 Erin Ave.

Calibration Detector # 2497

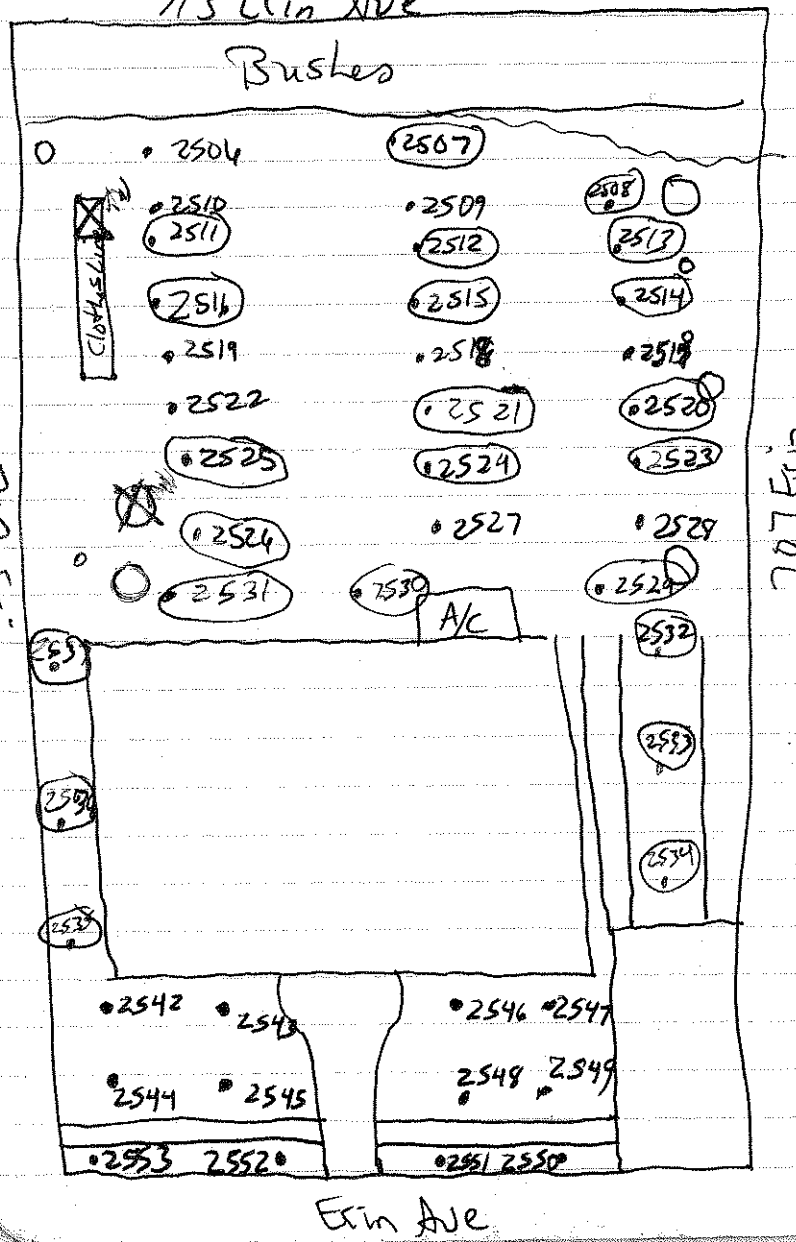
Reading #	Standards	Reading (ppm)
2498	Low	17.0 ± 19.8
2498	Med	1117 ± 48
2500	High	4900 ± 111

1640 START White enters the backyard of 707 Erin Ave. to complete an in-field training.

1757 START White departs site. Weather is sunny, dry. Temp is 82°F.

9/13/06

713 Erin Ave



9/13/06

XRF Readings

Reading #	Reading (ppm)
2506	230.0 ± 33.2
2507	458.9 ± 37.5
2508	548.7 ± 47.4
2509 ← 2510 452.0 ± 53.0	167.3 ± 19.9
2511	596.3 ± 37.5
2512	666.6 ± 40.9
2513	511.0 ± 41.2
2514	365.5 ± 41.7
2515	446.2 ± 37.9
2516	439.3 ± 37.0
2517	258.0 ± 26.4
2518	258.5 ± 31.2
2519	238.4 ± 25.1
2520	578.4 ± 40.9
2521	584.8 ± 44.5
2522	270.6 ± 50.2
2523	528.0 ± 44.4
2524	438.0 ± 34.0
2525	485.1 ± 54.4
2526	512.9 ± 36.9
2527	267.0 ± 39.9
2528	210.0 ± 34.0
2529	595.4 ± 45.0

9/18/06

Reading #	Reading (ppm)
* 2530	763.7 ± 80.7
* 2531	687.2 ± 51.7
* 2532	1001 ± 67
* 2533	428.8 ± 48.5
* 2534	520.4 ± 69.4
* 2535	790.1 ± 97.6
* 2536	593.4 ± 39.9
* 2537	351.3 ± 70.8

9/18/06

0700 START arrives onsite to attend health & safety meeting

0810 START & CMC arrives at 703 Erin Ave. CMC will continue to clear 703 & 707 Erin Ave.

0900 START which calibrates the XRF Cal Det # 2538

Reading #	Standards	Reading (ppm)
2539	Low	17.3 ± 9.6
2540	Mid	1069 ± 47
2541	High	3022 ± 115

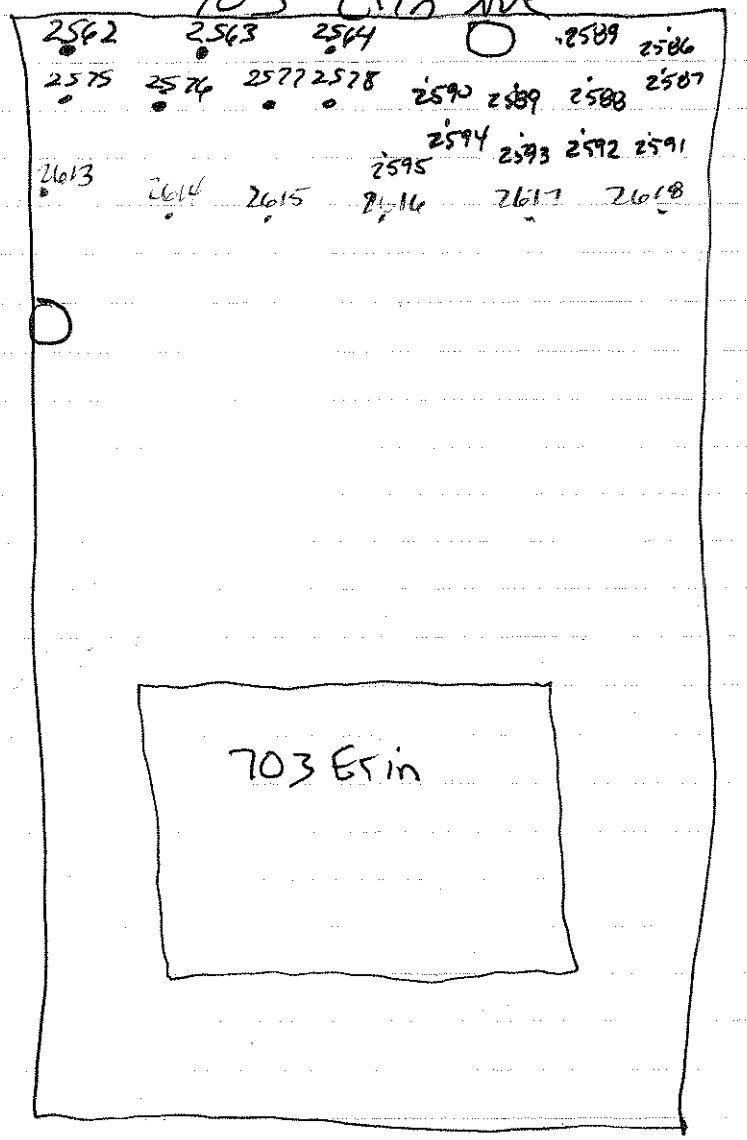
0955 START completes screening at 713 Erin Ave.

Reading #	Reading ppm	Reading #	Reading (ppm)
2542	142.9 ± 24	2549	172.1 ± 21.2
2543	119.2 ± 17.3	2550	346.2 ± 30.0
2544	109.3 ± 20.2	2551	457.7 ± 44.4
2545	169.6 ± 24.5	2552	365.5 ± 32.8
2546	121.7 ± 21.6	2553	250.3 ± 33.8
2547	324.9 ± 27.7	~~2554~~	Void
2548	112.0 ± 20.4	~~2555~~	Void

0955 START collects TCLP sample. CMC begins digging backyards of 703 & 707 Erin Ave.

9/18/04

703 Erin Ave



9/18/04

703 Erin XRF Reading

Reading #	Reading (ppm)
2562	267.8 ± 25.7
2563	77.6 ± 16.3
2564	44.4 ± 11.9
2575	72.5 ± 14.4
2576	105.5 ± 16.2
2577	88.8 ± 16.3
2578	77.5 ± 16.2
2579	void
2580	void

AW

1000 START White prepares to enter backyards of 703 & 707 Erin Ave.

1022 EPA Bass arrives onsite. Three other EPA personnel accompanies her for training purposes.

1045 START White is asked to explain how the XRF works. START White also presents a plat mat to explain how ~~how idea~~ START determines removal area.

~~to~~ AW

1130 Lunch

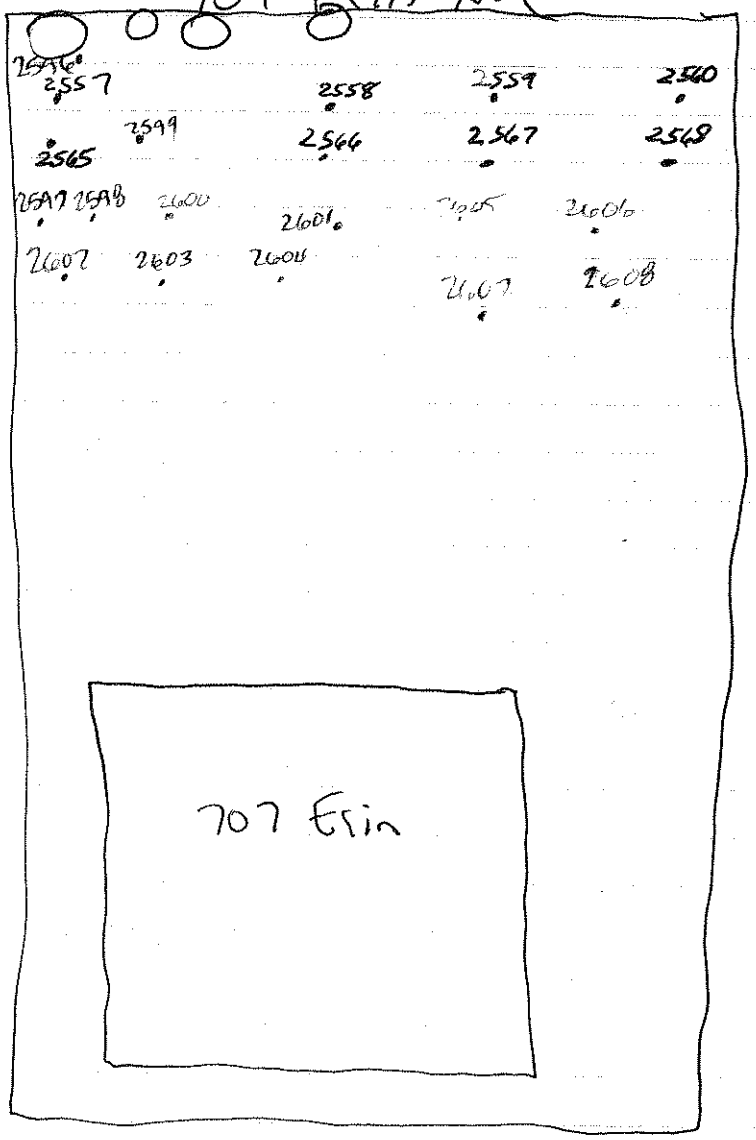
AW

9/12/05

1200 Return from Lunch
1206 Enters backyards of 703 & 707 Erin Ave. START White will remain until end of the day. CMC is excavating to properties at the same time & START is needed for both.
1500 Break
1520 Resume work.
1745 START White departs site.

9/12/06

707 Erin Ave



9/12/06

707 Erin XRF Readings

Reading #	Reading PPM
2557	161.8 ± 19.5
2558	282.6 ± 29.4
2559	56.2 ± 13.7
2560	200.9 ± 22.6
2565	166.9 ± 21.6
2566	54.3 ± 12.9
2567	52.5 ± 16.5
2568	49.5 ± 14.1

9-14-06

0700 START CROSS on site w/CMC crew to continue excavating properties located @ 703 & 707 ERW

XRF Cal Detector #⇒2582

Calibration Reading #	Standard	Reading (ppm)
2583	Low	24.2 ± 11.3
2584	medium	1124 ± 48
2585	High	3367 ± 97

Workers excavate while START CROSS collects XRF readings.

1130 Lunch

Crew continues excavating throughout the shift. Off site @ 1730.

Reading #	Reading (ppm)
2586	309.5 ± 26.4
2587	191.7 ± 21.6
2588	202.7 ± 19.7
2589	308.3 ± 24.2
2590	381.2 ± 33.4
2591	266.3 ± 23.2
2592	291.9 ± 21.6
2593	78.0 ± 18.1
2594	55.9 ± 12.0
2595	122.8 ± 16.3
2596	107.7 ± 16.2
2597	131.8 ± 20.5
2598	585.1 ± 45.1
2599	327.6 ± 26.1
2600	28.8 ± 10.6
2601	52.6 ± 13.6
2602	58.5 ± 12.7
2603	18.3 ± 10.9
2604	57.3 ± 12.5
2605	<LOD = 15.1
2606	14.6 ± 9.4
2607	16.5 ± 9.3
2608	160.9 ± 18.6

9·15·06

0700 START CROSS on site along w/CMC crew. Workers mobilized equipment to properties located @ 703 & 707 Erin. Crew continues to excavate properties.

XRF ~~Calibrate~~ Caldetector # = 2609

XRF Cal Reading #	Standard	Reading (ppm)
2610	Low	22.8 ± 10.1
2611	Medium	1068 ± 52
2612	High	5029 ± 136

Crew continues to excavate both yards while START CROSS collects XRF Readings. Excavation procedures continues throughout shift w/ no incidents.

XRF Reading #	Reading (ppm)
2613	335.9 ± 40.4
2614	141.3 ± 17.6
2615	76.5 ± 14.1
2616	106.8 ± 18.0
2617	76.0 ± 16.3
2618	15.5 ± 9.7
2619	34.1 ± 10.8
2620	72.4 ± 14.2
2621	27.6 ± 12.2
2622	64.9 ± 13.5
2623	5656 ± 54.1
2624	248.5 ± 24.9
2625	<LOD = 14.3
2626	132.7 ± 20.2
2627	42.3 ± 13.7
2628	162.4 ± 20.2
2629	131.5 ± 19.3
2630	136.8 ± 18.5
2631	201.8 ± 23.4
2632	96.0 ± 15.8
2633	236.2 ± 23.1
2634	52.1 ± 13.7
2635	167.9 ± 22.2
2636	161.6 ± 21.9
2637	267.2 ± 34.8
2638	44.5 ± 14.1

9/15/06 cont'd.

Reading #	Reading (ppm)
2639	31.2 ± 15.1
2640	32.0 ± 13.2
2641	38.6 ± 11.1

9-16-06

9/16/06

START arrived @ 7:00 AM @ 703 Erin Ave.

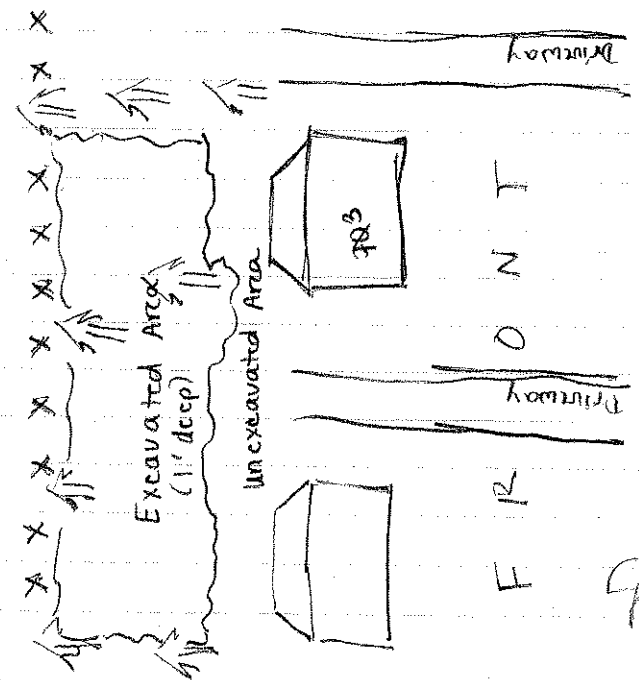
Calibrated instrument (detector). Performed NIST Stnds.

Results are as follows:

Reading #	Stnd:	Result (Pb) ppm:
2642	Calibration	
2643	Low - NIST	27.2 ± 10.8
2644	Med - NIST	1123 ± 48
2645	High - NIST	4445 ± 103

Met Rick, Dave, & Greg. Entire crew arrived on-site @ 7:30 AM.

The area of excavation looked like this:

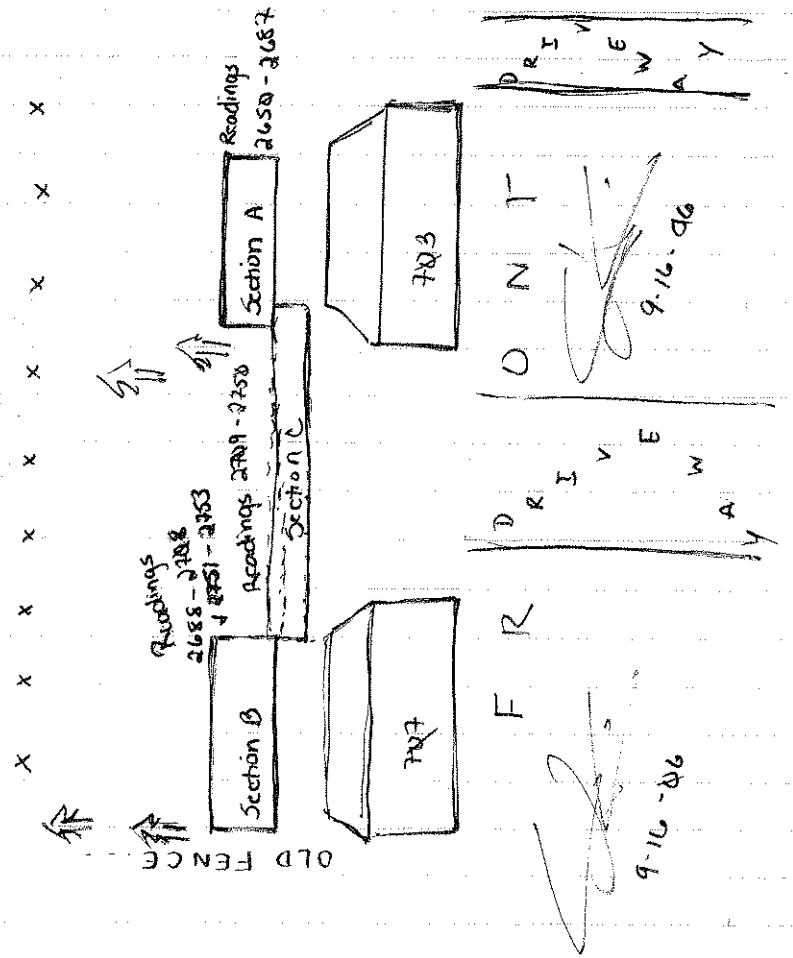


9-16-06

9/16/06

9-16-06 (Continued)

- Brian began cutting down shrubbery along the side of 707 Erin Street.
- Began excavating on right side of 703 Erin Street



9-16-06

9-16-06 (Continued)

Readings	Location	As
2646	Practice run	134 ± 28
2647	Section A	40.6 ± 17.1
2648	Section A	119.1 ± 26.1
2649	Section A	85.1 ± 20.7
2650		
2651		
2652		
2653		
2654		
2655		
2657		
2658		
2659		
2660		
2661		
2662		
2663		
2664		
2665		
2666		
2667		
2668		
2669		
2670		

9-16-06

9-16-06

9-16-06 (continued)

2671
2672
2673
2674
2675
2676
2677
2678
2679
2680
2681
2682
2683
2684
2685
2686
2687
2688
2689
2690
2691
2692
2693
2694
2695

9-16-06

9-16-06

2696
2697
2698
2699
2700
2701
2702
2703
2704
2705
2706
2707
2708
2709
2710
2711
2712
2713
2714
2715
2716
2717
2718
2719
2720

9-16-06

9-16-06

9-16-06 (Cont'd)

2721
2722
2723
2724
2725
2726
2727
2728
2729
2730
2731
2732
2733
2734
2735
2736
2737
2738
2739
2740
2741
2742
2743
2744
2745

9-16

9.16.06

9-16-06 (Cont'd)

2746
2747
2748
2749
2750
2751
2752
2753

9-16

7-18-06

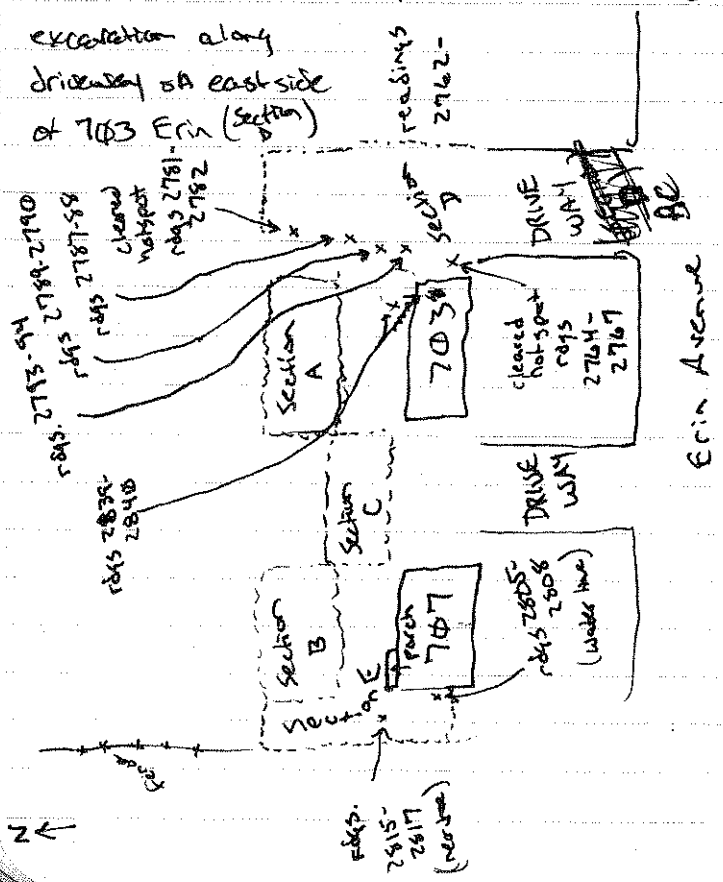
0730 START B. Croft onsite @ 703/707 Erin

Calibration

2758 - Calibration

2759	Low NIST	18.8	+/- 9.7
2760	Med NIST	1096 ~~1069~~	+/- 47
2761	High NIST	4064	+/- 96

met CMC crew @ 703/707 Erin Ave - begin excavation along driveway on east side of 703 Erin (Section A)



Readings	Section		Result (pb) ppm
2762	D		139.8 +/- 19.8
2763	D		42.4 +/- 12.3
2764	D	drip line re-excavated	924.5 +/- 44.4
2765	D	" "	619.3 +/- 39.1
2766	D	" "	380.1 +/- 29.7
2767	D	- hot spot cleared	29.9 +/- 13.1
2768	D		148.7 +/- 19.1
2769	D		70.6 +/- 14.5
2770	D		30.9 +/- 11.3
2771	D		127.3 +/- 18.9
2772	D		75.4 +/- 16.0
2773	D		25.5 +/- 11.3
2774	D		24.4 +/- 10.4
2775	D		86.6 +/- 16.6
2776	D		82.8 +/- 16.5
2777	D		255.0 +/- 25.7
2778	D		176.8 +/- 22.6
2779	D		232.5 +/- 25.0
2780	D		39.0 +/- 13.3
2781	D	hot spot near end of driveway	768.9 +/- 36.0
2782	D	hot spot cleared	303.7 +/- 27.6
2783	D		80.9 +/- 16.6
2784	D		166.0 +/- 20.9
2785	D		116.5 +/- 18.2
2786	D		59.3 +/- 15.5

Rdgs.	Section		Result (Pb) ppm
2787	D	hotspot by driveway	375.8 +/- 30.9
2788	D	cleared	129.7 +/- 20.0
2789	D	hot spot along driveway	510.2 +/- 36.1
2790	D	cleared	182.6 +/- 22.6
2791	D		47.6 +/- 13.8
2792	D	hot spot along driveway	347.8 +/- 30.1
2793	D	cleared	160.1 +/- 20.4
2794	D		203.9 +/- 22.3
2795	D		169.9 +/- 25.8
2796	D		39.0 +/- 12.5
2797	D	hotspot in back of house	589.9 +/- 34.2
2798	D	" " "	855.5 +/- 39.9
2799	D	cleared	57.2 +/- 13.9
2800	D		29.8 +/- 11.5
2801	D		279.8 +/- 21.9
2802	D		99.6 +/- 18.5
2803	D		68.6 +/- 13.8

1300 CMC moves ops to Section E along west side of 707 Erin Ave. - cleared small amount of brush - very tight area between house & fence

Readings	Section		Result (ppm) - Pb
2804	~~68.9~~ E		68.9 +/- 14.5
2805	~~415.2~~ E	hot spot	~~25.9~~ 415.2 +/- 28.9
2806	E	near wall @ water line	611.6 +/- 33.7
2807	E	"	366.7 +/- 29.9
2808	E	"	474.3 +/- 34.1
2809	E	cleared	128.7 +/- 20.8
2810	E		65.3 +/- 14.3
2811	E		136.7 +/- 19.8
2812	E		136.9 +/- 18.6
2813	E		262.1 +/- 26.7
2814	E		283.6 +/- 21.9
2815	E	hot spot near tree	356.3 +/- 27.3
2816	E	"	365.0 +/- 28.4
2817	E	cleared	129.8 +/- 19.4
2818	E		185.1 +/- 26.1
2819	E		213.9 +/- 23.5
2820	E	back porch under steps	253.9 +/- 23.8
2821	E		470.2 +/- 33.3
2822	E	~~back porch under steps~~	700.4 +/- 37.7
2823	E		50.6 +/- 12.9
2824	E		281.4 +/- 28.1
2825	E	under porch	557.2 +/- 33.8
2826	E	"	136.9 +/- 17.9
2827	E	"	215.0 +/- 26.7
2828	E		271.5 +/- 24.4

Readings	Section	Pb Result (ppm)
2829	E (under porch)	97.4 +/- 17.4
2830	E	67.2 +/- 13.4
2831	E	425.3 +/- 31.6
2832	E	61.5 +/- 15.1
2833	E	61.0 +/- 13.4
2834	E	44.8 +/- 13.5

1400 CMC crew moving back to Section D and working to west toward 707 Erin Ave.

Readings	Section		Pb Result (ppm)
2835	D	near NE corner of house	32.7 +/- 11.6
2836	D		134.4 +/- 20.2
2837	D		80.0 +/- 16.9
2838	D		36.2 +/- 11.6
2839	D	hot spot	873.2 +/- 44.3
2840	D	cleared	69.5 +/- 14.0
2841	~~D~~ BC	INADVERTENT RDG. - CANCEL	
2842	D	black material	704.4 +/- 33.4

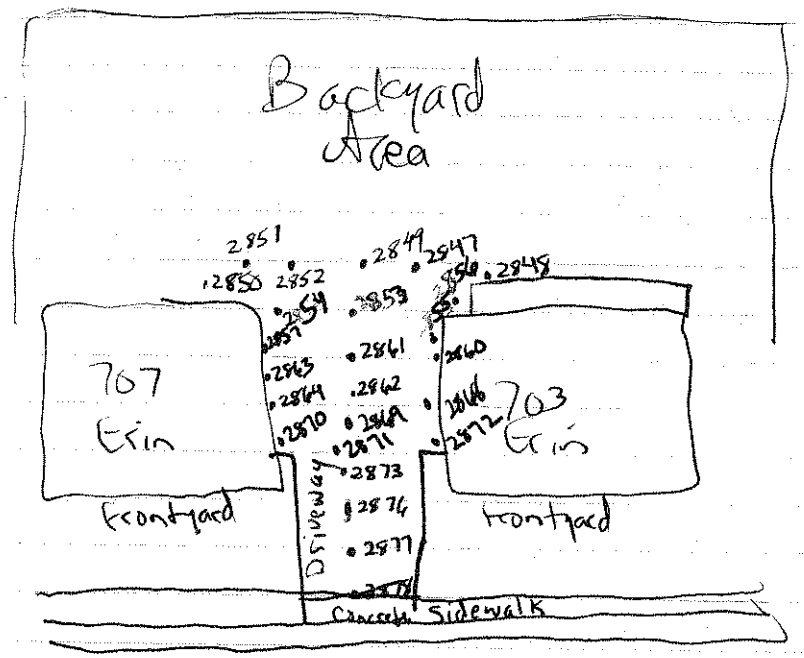
1705 last truck loaded for day
note: all hot spots identified today were excavated & verified w/ Niton XRF

09/19/06

0700 START White arrives onsite.
0753 START White arrives at 703 Erin Ave.
0820 CMC begins excavation.
0822 START White calibrates the XRF.

Reading #	Standards	Reading (ppm)
2844	Low	21.0 ± 10
2845	Med	1114 ± 49
2846	High	5176 ± 119

0842 START enters backyard
In-field Diagram



09/16/06

703 Erin XRF Chart

Reading #	Reading (ppm)
2847	71.2 ± 14.7
2848	25.9 ± 15.1
2849	121.1 ± 20.3
2855	54.8 ± 14.4
2856	184.3 ± 27.0
2860	34.4 ± 12.8
2868	229.2 ± 94.5
2872	48.5 ± 14.4

707 Erin

Reading #	Reading ppm
2850	228.6 ± 22.9
2851	25.7 ± 11.7
2852	64.4 ± 21.3
2853	174.1 ± 22.6
2854	46.6 ± 13.2
2857	44.5 ± 12.8
2861	70.7 ± 16.3
2862	24.7 ± 11.1
2863	32.5 ± 13.5
2864	23.8 ± 12.0
2869	45.7 ± 13.2
2870	138.4 ± 53.1
2871	107.1 ± 20.9
2873	52.6 ± 13.1
2876	52.6 ± 6.4
2877	47.7 ± 12.1
~~2878~~	Void

09/16/06

0930 Break

0940 Work Resumes

0945 START continues to take XRF readings. Readings are being taken at 703 & 707 Erin Ave because CMC is excavating both properties at the same time.

1130 Lunch

1200 Work resumes. START continues to take XRF readings.

1242 CMC is excavating 707 Erin Ave. driveway. START White continues to take XRF confirmation readings. Reading locations are documented on the map on page 55.

1500 Break

1520 Resume work

1620 START White collects confirmation sample from backyard of 703 Erin Ave. Sample ID is ESB-703ER-SSB6

1647 START collects sample for 707 Erin Ave. Sample ID is ESB-707ER-SSB6

AW

9/19/2006

CMC will excavate the front yards of 703 Erin Ave & 707 Erin Ave at a later date.

1650 START X^dw took an XRF confirmation reading of both samples. The results are as follows:

ESB 703ER-SBB6 Reading # 2879 Reading (ppm) 24.1 ± 10.3

ESB 707ER-SBB6 Reading # 2880 Reading (ppm) 35.8 ± 14.1

AW

~~1539 S~~

1700 CMC brings a load of rocks for the driveway of 707 Erin Ave.

1742 START White departs site. Weather is sunny, hot.

9/20/2006

1200 START White arrives onsite.

Note: START White traveled to lab and office.

1300 START White calibrates the XRF.

Calibration Detector # 2883

Reading #	Standards	Reading (ppm)
2884	Low	18.1 ± 9.5
2885	Med	1084 ± 47
2886	High	4233 ± 102

1345 START White takes XRF confirmation reading in the front yard of 703 Erin Ave. EPA Bass & Carbonero arrive.

Reading #	Reading (ppm)
2887	19.9 ± 11.6
2888	194.4 ± 23.2
2892	23.0 ± 11.5
2893	93.2 ± 16.8
2894	138.5 ± 28.0
2895	242.2 ± 25.0
2896	79.5 ± 16.9
2897	51.2 ± 20.1
2898	30.0 ± 11.6
2899	104.6 ± 29.6
2900	42.6 ± 22.4
2903	39.6 ± 11.4

9/20/2004

Reading (#)	Reading (ppm)
2904	48.6 ± 14.2
2905	48.2 ± 13.2
2907	41.7 ± 11.9
2908	193.2 ± 23.4
2912	113.5 ± 17.8
2913	195.4 ± 23.2

1520 START White Collects Confirmation Sample for Frontyard of 703 Erin Ave. Sample ID # ESB-703ER-SSF6.
XRF Confirmation Reading #2913 (195.4 ± 23.2)

1600 CMC backfills backyard & frontyard of 703 Erin Ave.

1755 START departs site. Weather is sunny hot.

9-21-06

0700 START CROSS on site along w/ CMC crew of 8. workers mobilized equipment to 703/707 ERIN to continue backfilling back yards.
Also excavating front yard of 707 ERIN. START CROSS to collect XRF READINGS during EXCAVATION.

XRF CAL DETECTOR # → 2914

Calibration Reading #	Standard	Reading (ppm)
2915	Low	21.5 ± 10.1
2916	MEDIUM	1005 ± 46
2917	High	4144 ± 102

1130 Lunch

Workers continue backfilling and excavating of 707 ERIN. XRF Readings collected during dig.

1430 Cross collect composite soil sample of the front yard of 707 ERIN.

Reading #	Reading (ppm)
2918	80.4 ± 17.1
2919	480.3 ± 33.5
2920	240.2 ± 23.5
2921	31.0 ± 11.1
2922	72.5 ± 14.9
2923	70.1 ± 14.0
2924	127.4 ± 18.7
2925	149.1 ± 19.2
2926	35.5 ± 12.2
2927	413.7 ± 41.2
2928	492.5 ± 89.2
2929	84.6 ± 27.0
2930	161.6 ± 19.7
2931	380.8 ± 33.3
2932	380.4 ± 37.8
2933	526.5 ± 35.8
2934	VOID
2935	235.0 ± 24.8
2936	89.4 ± 15.4
2937	88.8 ± 15.5
2938	95.3 ± 16.0
2939	80.7 ± 15.5
2940	104.8 ± 15.5
2941	250.7 ± 36.2
2942	VOID

Reading #	Reading (ppm)
2943	43.8 ± 11.5
2944	72.5 ± 26.7
2945	83.5 ± 37.0
2946	48.9 ± 30.5
2947	67.3 ± 28.1

9-22-06

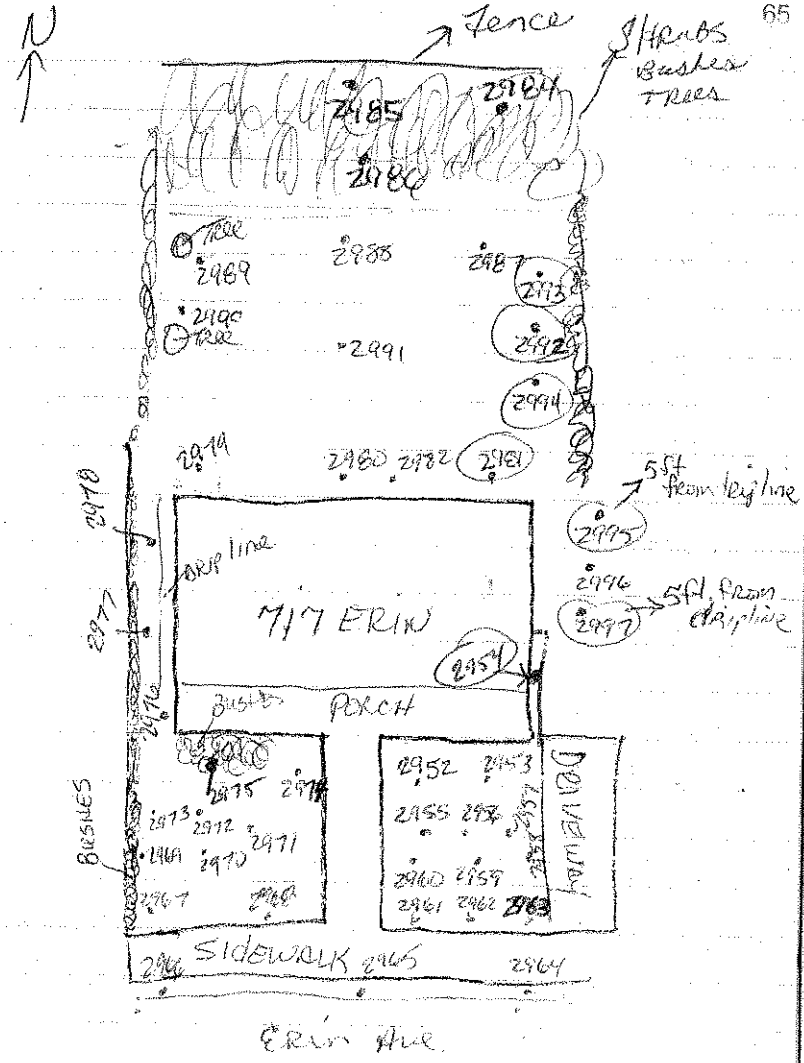
0700 START Cross on site along w/ CMC crew of 8. Workers mobilized to 707/703 Erin to continue backfilling back yards of 703/707 Erin. Also prepare to clean back yard of Erin. START Cross took photos of property prior to clear out.
#(PHOTO LOG on page 136)
START Cross set up to screen property @ 717/721 Erin.

XRF Cal Detector # → 2948

717 ERIN SCREENING

Calibration Reading #	standard	Reading (ppm)
2949	Low	19.6 ± 9.9
2950	medium	1021 ± 47
2951	High	11328 ± 107

~~Reading #~~		Reading (ppm)
2952		191.3 ± 20.8
2953		370.1 ± 25.9
2954		478.5 ± 33.9
2955		183.8 ± 21.3
2956		147.6 ± 18.4
2957	(Cont'd pg 66)	105.4 ± 16.5
2958		87.6 ± 14.2
2959		101.3 ± 16.2



9/22/06 717 Erin (Screening)

Reading #	Reading (ppm)
2960	186.9 ± 22.2
2961	224.4 ± 21.4
2962	228.9 ± 23.8
2963	115.4 ± 21.6
2964	150.4 ± 19.3
2965	337.9 ± 27.6
2966	209.7 ± 22.2
2967	192.8 ± 24.8
2968	152.9 ± 19.0
2969	132.5 ± 18.8
2970	138.2 ± 18.4
2971	212.6 ± 22.5
2972	145.5 ± 18.6
2973	168.4 ± 22.5
2974	334.5 ± 29.7
2975	357.9 ± 30.4
2976	319.9 ± 29.2
2977	75.4 ± 16.2
2978	195.8 ± 20.0
2979	148.2 ± 17.0
2980	386.3 ± 24.7
2981	426.7 ± 28.1
2982	333.2 ± 25.1
2983	253.1 ± 29.6
2984	412.7 ± 29.6
2985	375.3 ± 25.7

9/22/06

Reading #	Reading (ppm)
2986	331.1 ± 28.7
2987	240.2 ± 22.2
2988	259.4 ± 21.9
2989	258.2 ± 27.5
2990	238.6 ± 20.1
2991	215.3 ± 20.2
*2992	445.7 ± 27.5
*2993	434.3 ± 27.2
2994	395.1 ± 25.1
2995	682.2 ± 34.0
2996	354.7 ± 26.5
*2997	553 ± 34.0

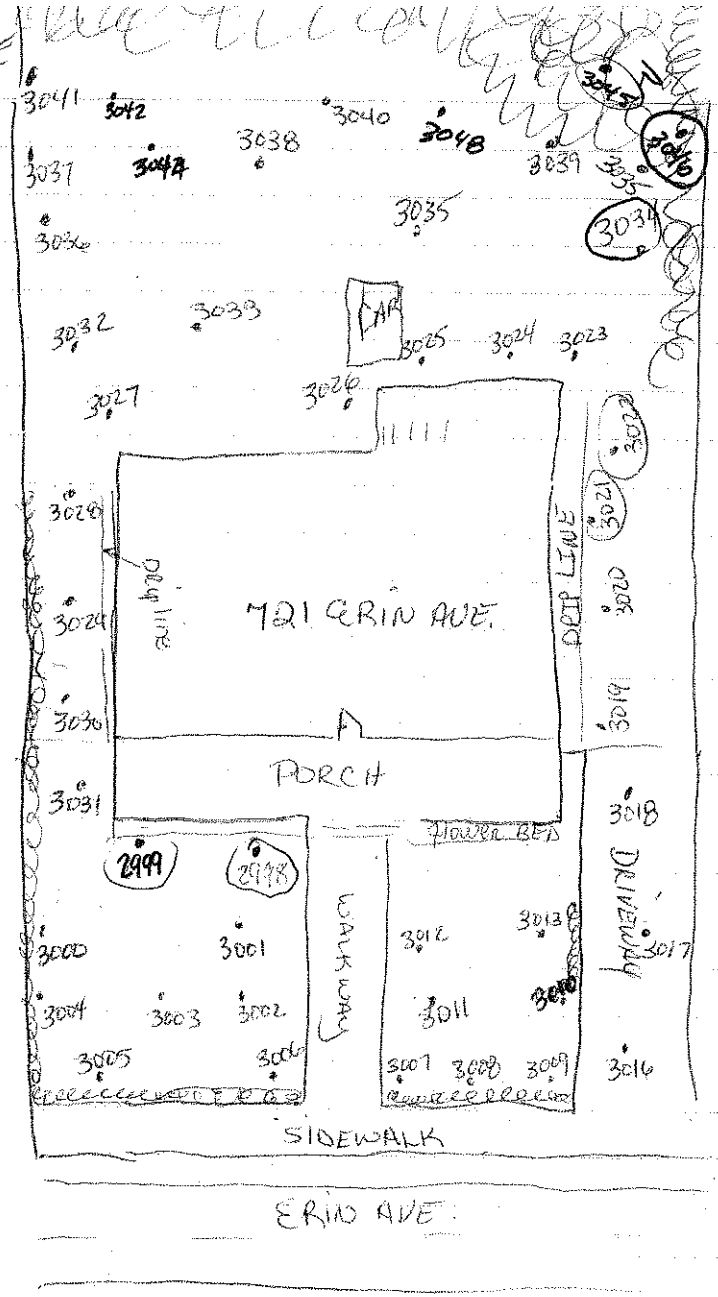
* → Samples over 400 ppm

1130 Lunch

Workers continue to back fill property located @ 707/703 Erin Ave for remainder of shift. CMC Begin to clean out back yard @ 713 Erin. START CROSS continue to screen properties.

1430 Completed XRF screening of property located @ 717 Erin Ave.

START CROSS started XRF Screening of property located @ 721 Erin Ave



4-20 00

READING #	READING (ppm)
2998	551.3 ± 37.7
2999	471.4 ± 33.9
3000	195.3 ± 23.7
3001	102.3 ± 19.1
3002	253.4 ± 23.1
3003	166.1 ± 22.3
3004	252.4 ± 24.2
3005	255.6 ± 25.5
3006	311.9 ± 27.2
3007	269.7 ± 26.4
3008	269.5 ± 25.7
3009	228.5 ± 24.3
3010	240.5 ± 23.8
3011	190.6 ± 21.5
3012	229.5 ± 23.0
3013	180.9 ± 19.6
3014	170.6 ± 21.3
3015	236.2 ± 23.7
3016	74.5 ± 14.1
3017	85.7 ± 15.2
3018	228.6 ± 24.5
3019	325.4 ± 26.3
3020	74.9 ± 14.5
3021	1423 ± 57
3022	615.6 ± 35.3
3023	145.4 ± 18.0

4-22-06

Reading #	Reading (ppm)
3024	207.6 ± 20.1
3025	350.6 ± 26.2
3026	274.2 ± 22.6
3027	243.5 ± 20.9
3028	297.7 ± 25.4
3029	255.9 ± 23.6
3030	398.0 ± 31.4
~~3031~~	~~[illegible]~~
3031	200.9 ± 19.1
3032	254.9 ± 23.0
3033	341.1 ± 25.3
3034	487.8 ± 30.4
3035	339.9 ± 25.7
3036	221.2 ± 20.2
3037	268.4 ± 24.6
3038	349.4 ± 27.2
3039	322.9 ± 28.5
3040	307.5 ± 23.9
3041	324.2 ± 26.5
3042	170.5 ± 21.5
~~3043~~	VOID
3044	32.2 ± 10.8
3045	133.1 ± 30.0
3046	425.0 ± 29.5
~~3047~~	VOID
3048	1129 ± 16.5

Reading #	Reading (ppm)
3049	34.0 ± 15.3
3050	723 ± 44.4
3051	224.0 ± 24.0
3052	226.2 ± 22.9
3053	15.4 ± 9.3

9-23-06

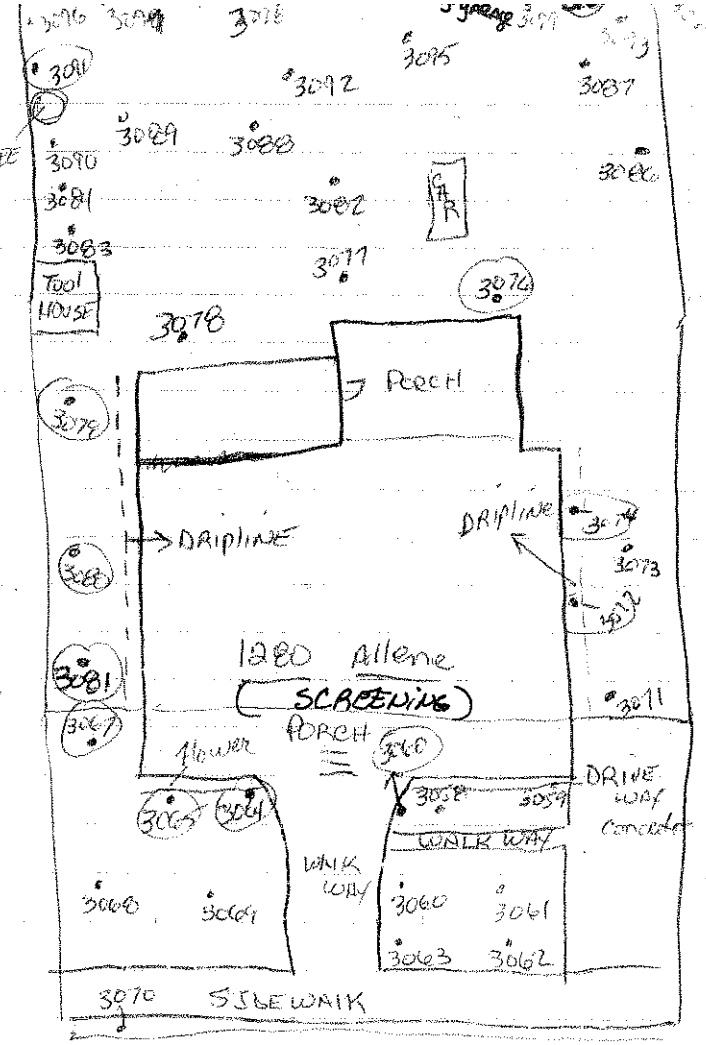
0700 START CROSS on site along w/ CNIC crew of 8. Workers mobilized equipment to property located @ 713 ERIN. Workers continue to excavate property.

0800 START CROSS set up to start XRF screening at property located @ 1280 Allene. XRF calibrated OKay.

CAL DETECTOR # – 3054

Cal Reading #	Standards	Reading (mg)
3055	LOW	22.5 ± 10.5
3056	MEDIUM	1138 ± 49
3057	HIGH	4557 ± 129

0900 Crew continue excavation and hauling soil to Landfill.

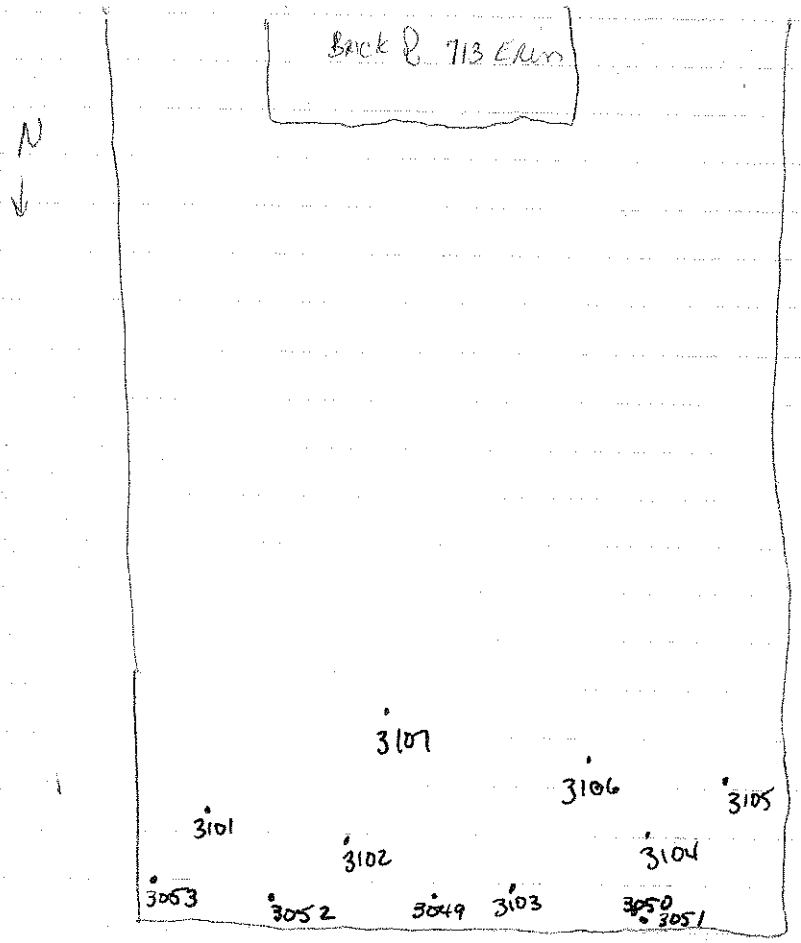


Reading #	Reading (ppm)
3058	316.7 ± 24.4
3059	254.8 ± 38.7
3060	455.9 ± 31.2
3061	62.9 ± 13.2
3062	187.1 ± 21.8
3063	106.3 ± 11.9
3064	379.7 ± 28.2
3065	517.7 ± 31.9
~~3066~~ VOID	
3067	479.0 ± 29.4
3068	70.4 ± 12.0
3069	101.1 ± 15.0
3070	204.0 ± 20.0
3071	388.9 ± 24.4
3072	701.3 ± 36.2
3073	262.2 ± 22.4
3074	473.5 ± 33.2
3075	238.2 ± 20.9
3076	637.7 ± 33.6
3077	353.1 ± 26.4
3078	399.8 ± 30.4
3079	677.2 ± 35.0
3080	621.6 ± 36.9
3081	413.5 ± 28.8
3082	179.7 ± 21.2

Reading #	Reading (ppm)
3083	162.6 ± 18.6
3084	269.8 ± 23.1
3085	296.3 ± 24.7
3086	136.8 ± 18.3
3087	221.1 ± 22.5
3088	98.8 ± 14.7
3089	385.5 ± 25.4
3090	302.2 ± 33.7
3091	420.6 ± 25.0
3092	230.7 ± 22.2
3093	165.4 ± 18.6
3094	227.4 ± 26.4
3095	203.2 ± 20.0
3096	213.7 ± 21.6
3097	241.7 ± 29.0
3098	153.2 ± 19.1
3099	171.9 ± 19.5
3100	422.2 ± 32.8

~~1130~~ completed XRF screening of property located @ 1200 alleyway.

Crew will excavate till 1130 because landfill closes @ 1200. START CROSS collected XRF Readings during excavation



READING #	Reading (ppm)
3101	118.3 ± 19.8
3102	49.6 ± 12.5
3103	124.3 ± 17.8
3104	126.0 ± 20.7
3105	112.4 ± 22.1
3106	324.7 ± 29.7
3107	25.6 ± 12.4
~~3108~~	

Continue to excavate and back fill the remainder of shift. Off site @ 1730.

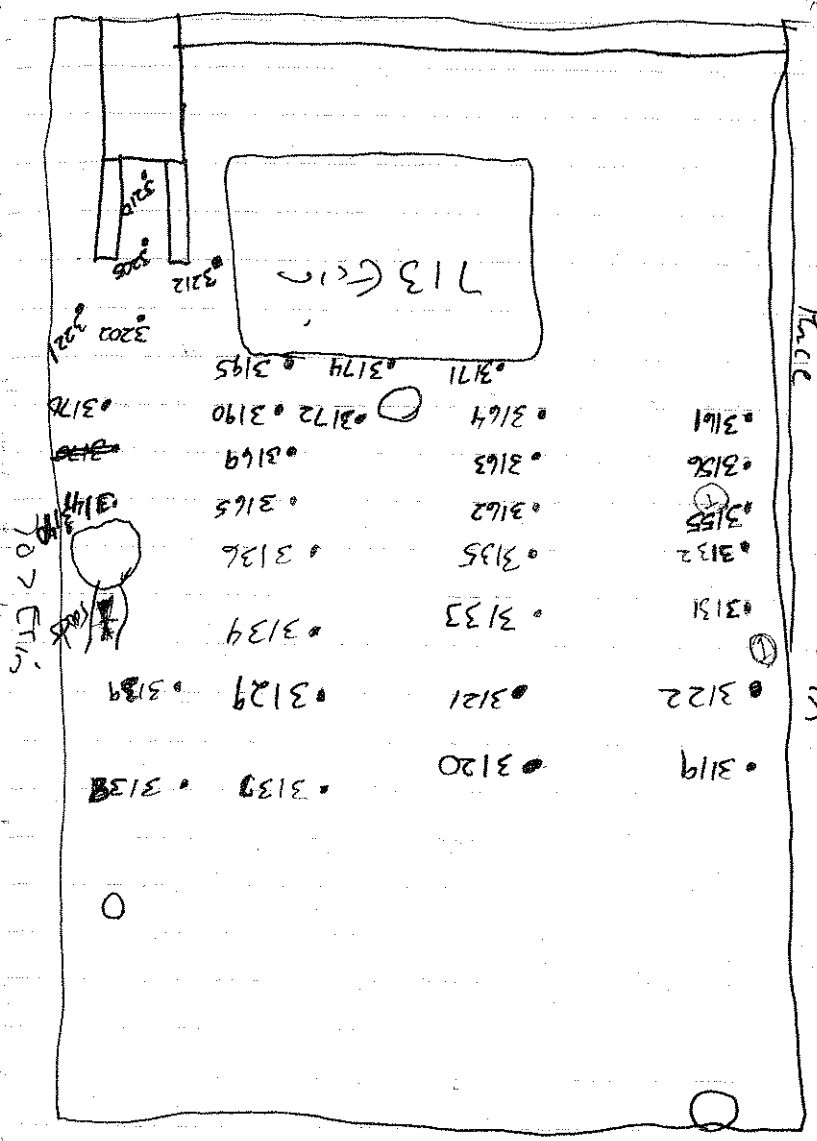
09/25/06

0700 START White arrives onsite
0823 Calibrates XRF.
Cal. Detector #3108

Reading #	Standards	Reading (ppm)
3109	Low	15.4 ± 9.4
3110	Med	1103 ± 48
3111	High	4871 ± 115

0830 CMC is excavating backyard of 713 Erin Ave. START White will enter backyard of 713 Erin Ave & remain there until lunch.
1014 EPA Bass arrives onsite. START & EPA discuss site map.
1130 Lunch
1200 Return from lunch
1206 Reenter backyard of 713 Erin Ave.
Note: CMC continues to excavate backyard. Backyard area is very muddy. Therefore, CMC is unable to drive loader & dumptrucks into the backyard. The transporting of the contaminated soil is taking ~~a longer time~~ longer.

9/25/06



9/25/06

713 Erin Ave ~~713 Erin~~ XRF Log

Reading #	Reading (ppm)
3119	59.4 ± 14.6
3120	66.4 ± 27.3
3121	39.4 ± 12.9
3122	143.2 ± 25.7
3129	22.8 ± 9.7
3131	17.1 ± 16.3
3132	52.8 ± 16.6
3133	36.5 ± 13.4
3134	58.4 ± 17.4
3135	39.9 ± 11.2
3136	45.6 ± 13.7
3137	28.0 ± 11.8
3138	74.4 ± 21.5
3139	78.9 ± 14.6
3140	Below Detection
3141	19.3 ± 9.7

9/25/06

START will remain in backyard until breaktime.

1410 START continues to take confirmation readings. Once CMC clears an area START uses the XRF to check that area & ensure that all contaminated soil is removed.

1530 Break

1550 Resume work

1740 CMC prepares to leave site.

1807 START White departs site for the day. Weather is cool, sunny.

0700 START White arrives onsite. Attends Health & safety meeting 9/26/2006

0752 Calibrates XRF
Cal Det #3142

Reading #	Standards	Reading ppm
3143	Low	29.2 ± 10.7
3144	Med	109.2 ± 48
	High	

Readings 3145 – 3150

713 Erin Ave XRF Table

Reading #	Reading (ppm)
3155	186.7 ± 32.3
3156	180.1 ± 135.7
3161	75.2 ± 31.7
3162	80.8 ± 31.1
3163	114.3 ± 45.9
3164	107.8 ± 41.8
3165	152.2 ± 38.2
3169	109.6 ± 20.2
3170	102.5 ± 37.4
3171	146.7 ± 39.9
3172	210.6 ± 49.2
3174	138.2 ± 37.2
3190	68.2 ± 14.6
3195	260.2 ± 26.8

Reading #	Reading (ppm)
3202	183.0 ± 23.4
3205	77.4 ± 15.9
3210	163.5 ± 23.7
3212	230.4 ± 30.7
3217	Void
3221	57.6 ± 16.5

713 Erin Ave XRF Table

~~Reading # Reading (ppm)~~

1017 CMC remove the fence that seperates 707 Erin Ave & 713 Erin Ave.

1136 Break

1200 Return from break

1214 Reenter backyard of 713 Erin Ave. START continues to take readings for CMC.

1242 CMC is now excavating the area between 707 & 713 Erin Ave.

1700 START departs site. Weather is hot Sunny.

9/27/06

0700 Arrives onsite. Attends health & safety meeting.

0742 Calibrates XRF.
Cal. Det 3225

Reading #	Standards	Reading (ppm)
3226	Low	14.2 ± 9.3
3227	Med	1142 ± 49

The standard which produces the high reading has been manipulated. Eon products has been out to the site to check Niton XRF. Because ~~we~~ on the site does not produce readings above 1200 on a normal basis it is ok to rely on the XRF for results.

0830 CMC clearing the ~~area~~ sidewalk area of 713 Erin Ave.

713 Erin Infield Drawing
713 Erin Ave

•3228 •3230 •3231 •3232

XRF Readings

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3228	93.0 ± 17.6	3231	112.2 ± 18.8
3230	146.7 ± 32.1	3232	134.0 ± 27.8

AW

9/27/06

0930 Break

0942 Resume work CMC still clearing 717 Erin Ave.

1130 Break

1200 Resume work START provides oversite.

1430 START collects soil samples.
Confirmation Sample for 713 Erin is collected.
Samples ESB-713ER-SBF6 & ESB-713ER-SBB6

1517 START collects samples for 717 Erin Ave.
ESB-717ER-F & ESB-717ER-B.
Totals (Pb) will be ran on these samples.
ESB-717Erin-B & ESB-717Erin-F.
TCLP will be ran.

1719 START departs site.

AW

9-28-06

0700 START CROSS on site @0700 w/CMC crew of 8. workers mobilized to property located @ 717 Erin Ave. workers continue to clean debris from back yard. START CROSS calibrated XRF. EPA Reps on site

Cal Detector # → 3264

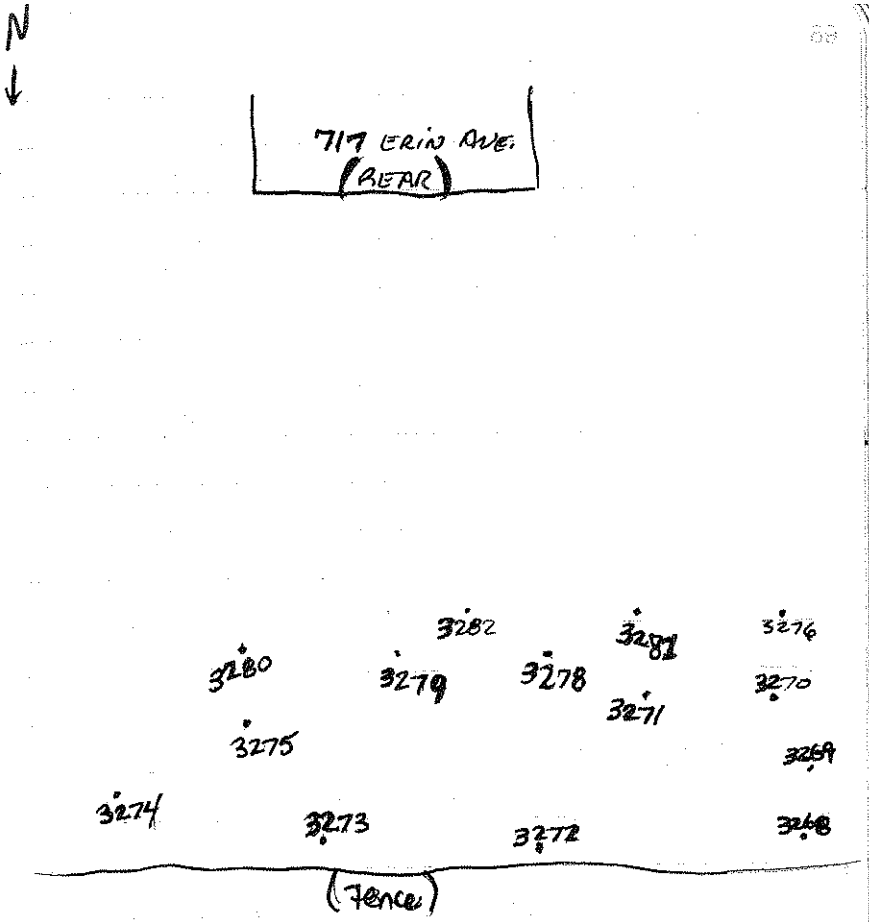
Cal Reading #	Reading (ppm)
3265	17.6 ± 9.6
3266	1077 ± 48
3267	4607 ± 114

0900 Crew began excavating property located @ Erin. CROSS collecting XRF Readings during excavation

1130 Lunch

1245 Workers continue excavating property located @ 717 ERIN. EPA REP. Brook on site observing.

XRF READING #	READING (ppm)
3268	47.7 ± 14.7
3269	33.4 ± 12.2
3270	43.9 ± 13.8
3271	52.6 ± 17.3
3272	50.0 ± 15.6
3273	34.7 ± 14.1
3274	35.1 ± 13.7
3275	35.8 ± 11.6
3276	47.9 ± 12.7
~~3277~~ ~~VOID~~	
3278	38.3 ± 12.1
3279	253.1 ± 31.0
3280	58.5 ± 13.4
3281	82.1 ± 22.7
3282	93.7 ± 23.5



9/29/06

0830 START Young arrives onsite.
0845 START White arrives onsite.
0900 CMC Hollingsworth arrives onsite.
0915 CMC Hollingsworth travels to obtain a shovel for START team.
START White will orient START Young to site operation.
0920 START calibrates the XRF.

Reading #	STARD Cards	Reading (ppm)
3285	Low	17.7 ± 9.5
3286	Med	106.3 ± 47

1100 START White encounters resident from 721 Erin Ave. The resident wanted START to allow her to sign the access agreement. She is not the owner, but the tenant. START told the resident that the owner has to sign. She called the owner and the owner stated that she would like to sign & to coordinate with her prior to coordinating with the tenants.
1110 START team arrives at 794 Hartford Pl.

AW

9/29/06

1115 START obtains access.
1120 START document the property.
START & resident notices a strong propane smell & calls the gas company.

794 Hartford Pl. XRF Results

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3287	297.0 ± 23.8	3305	227.1 ± 21.1
3288	248.3 ± 20.0	3306	241.3 ± 20.8
3289	271.2 ± 23.9	3307	215.0 ± 19.7
3290	296.9 ± 25.9	3308	291.2 ± 24.3
3291	321.5 ± 27.4	3309	264.0 ± 22.3
3292	270.8 ± 24.4	3310	202.3 ± 19.4
3293	271.5 ± 22.8	3311	242.8 ± 23.8
3294	226.8 ± 22.2	3312	238.7 ± 21.1
3295	157.0 ± 15.3	3313	226.2 ± 22.5
3296	291.4 ± 22.9	3314	205.6 ± 21.3
3297	142.7 ± 17.8	3315	255.6 ± 23.2
3298	440.6 ± 30.1	3316	220.8 ± 20.0
3299	366.9 ± 24.5	3317	247.9 ± 22.0
3300	275.4 ± 25.0	3318	326.7 ± 24.2
3301	300.5 ± 22.9	3319	412.6 ± 29.3
3302	316.1 ± 22.9	3320	472.9 ± 28.7
3303	312.6 ± 22.8	3323	727.5 ± 34.4
3304	396.6 ± 26.9	3324	588.1 ± 34.2

Reading #	Reading (ppm)
3325	542.1 ± 31.0
3326	690.8 ± 33.9
3327	1150.0 ± 45.0
3328	822.4 ± 38.5
3329	402.6 ± 27.4
3330	321.3 ± 23.2
3332	397.2 ± 36.2
3333	338.4 ± 25.7
3334	301.5 ± 24.0
3335	251.8 ± 20.1
3336	276.5 ± 23.8
3337	232.9 ± 21.6
3338	236.2 ± 22.3
3339	189.3 ± 20.9
3340	697.2 ± 36.5
3341	551.2 ± 33.3
3342	433.5 ± 27.4

9/29/06

9/29/07

1345 START travels to get lunch.
1445 START returns from lunch.
START team will collect samples the remainder of the day.
1500 Address: 794 Hartford Pl.
Samples: ESB 794 HF-B collected at 1515
ESB 794 Hartford-B collected 1515
ESB 794 HF-F collected 1530
ESB 794 Hartford-F collected 1530.
1545 START arrives at 1280 Allene Ave.
START has already completed screening, but samples need to be collected. The resident who is disable is unable to tie the dog. She requests that Start come back when her brother is around.
1610 START departs site. Weather is hot sunny 82°F.

10/3/06

0659 START arrives onsite to Sample 1280 Allene Ave. The resident brother comes over & ties the dog. START White Collects soil sample. Per EPA Bass' request, START will now collect 2 samples from the front yard & 2 samples from the backyard.

Samples: ESB-1280AL - E at 0800
ESB-1280 Allene - F at 0803
ESB-1280 AL - B at 0807
ESB-1280 Allene - B at 0810.

0811 START calibrates the XRF
Cal Det # 3348

Reading #	Standards	Reading (ppm)
3349	Low	22.8 ± 10.1
3350	Med	1062 ± 47

0822 START enters backyard of 717 Erin Ave.

0930 EPA Bass arrives onsite to meet with START.

0945 EPA Carbonaro arrives onsite. EPA & START Coordinate together.

AW

10/3/06

START will have to add additional information to the site map that was constructed.

1149 Lunch

1210 Return from lunch

1239 CMC continues excavating backyard of 717 Erin Ave.
START continues to provide technical support.

1530 Break

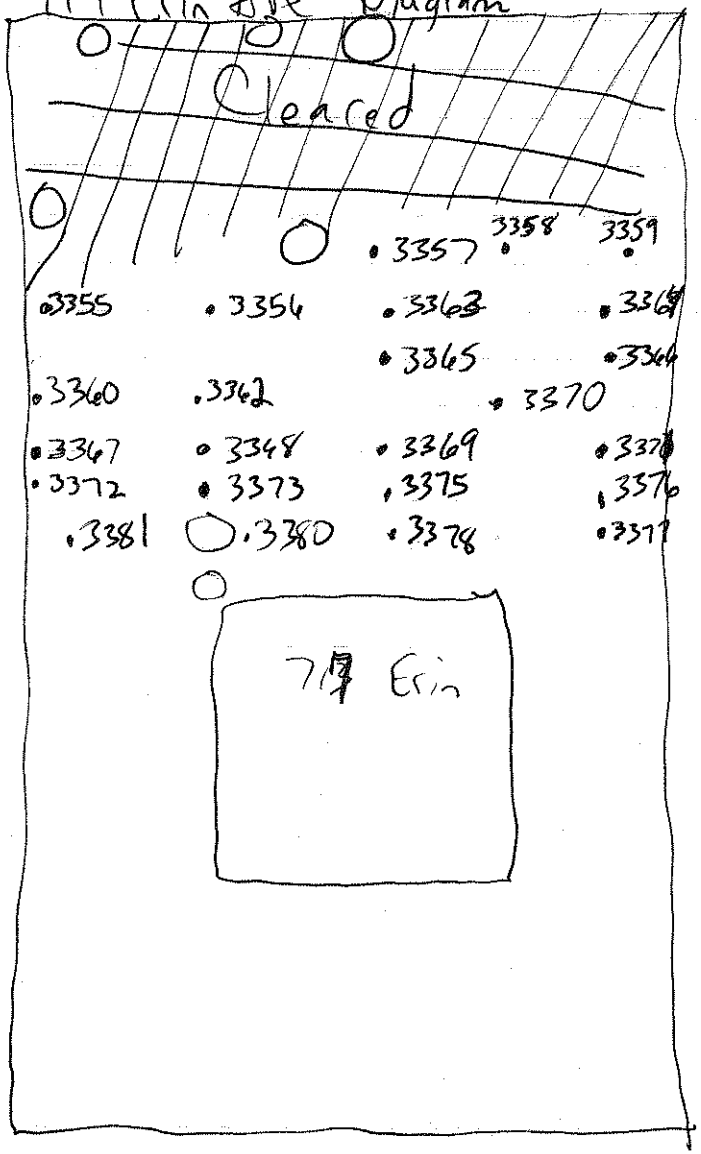
1545 Resume work

1740 START departs site. Weather is sunny & mild.

AW

10/3/06

717 Erin Ave Diagram



Erin Ave

10/3/06

XRF Reading 717 Erin

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3351	Void	3377	54.2 ± 16.6
3352	Void	3378	45.3 ± 12.6
3353	Void	3380	110.0 ± 26.1
3354	Void	3381	65.7 ± 19.2
3355	82.9 ± 26.3		
3356	93.3 ± 16.2		
3357	38.5 ± 11.7		
3358	132.6 ± 18.6		
3359	49.5 ± 12.1		
3360	24.6 ± 10.4		
3362	82.5 ± 25.2		
3363	69.3 ± 22.2		
3364	41.3 ± 16.1		
3365	87.7 ± 15.7		
3367	76.9 ± 27.2		
3368	91.1 ± 15.2		
3369	83.5 ± 15.0		
3370	153.2 ± 19.8		
3371	78.5 ± 16.5		
3372	98.5 ± 17.6		
3373	108.6 ± 20.7		
3375	147.7 ± 28.1		
3376	25.6 ± 10.7		

10/4/06

0700 START arrives onsite.
0745 START travels to Kemron's office
0942 START returns
0945 EPA Carbonaro & Bass arrives onsite.
1012 START White & EPA Carbonaro performs Community support activities.
1130 Lunch
START will work through lunch.
1145 START calibrates the XRF.
Cal Det #3383

Reading (#)	Standards	Reading (ppm)
3384	Low	21.1 ± 10.1
3385	Med	1089 ± 47

717 Erin Ave XRF Readings

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3387	179.6 ± 26.4		
3389	36.1 ± 18.7		
3394	80.0 ± 22.5		
3396	119.2 ± 17.6		
3397	88.3 ± 14.2		
3398	117.5 ± 15.9		
3405	47.0 ± 13.8		

10/4/06

1240 START takes lunch break
1310 START resumes work.
1340 EPA Carbonaro arrives onsite.
START & EPA will resume Community support activities
Note: START will rotate between community support & oversight.
1530 START collects confirmation sample for 717 Erin Backyard.
The sample ID is:
ESB-717Erin-SBB6
The XRF confirmation is #3405 reading (ppm) 47.0 ± 13.8
1600 START White departs site
Weather is hot sunny.

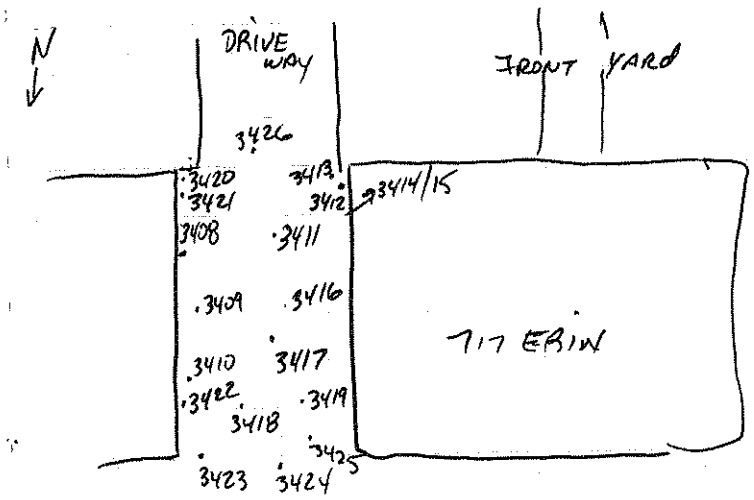
0/5/06

0700 START CROSS on site w/ CMC crew of 8. Workers mobilize equipment to Erin Ave (717) to continue to backfill properties. Just fill dirt now, no top soil available. Workers also excavating east side of house. START CROSS calibrated XRF.

Coldelector #: 3406

XRF Reading #	Reading (ppm)
3407	VOID
3408	1770 ± 124 drip line
3409	216.5 ± 29.1
3410	36.8 ± 11.8
3411	35.1 ± 12.7
3412	1512 ± 90 drip line
3413	676.0 ± 46.7
3414	526.9 ± 47.0
3415	31.6 ± 13.5
3416	150.2 ± 25.1
3417	23.0 ± 10.8
3418	55.4 ± 13.2
3419	41.2 ± 16.2
3420	556.3 ± 53.2
3421	106.6 ± 32.7

Reading #	Reading (ppm)
3422	378.4 ± 64.0
3423	467.3 ± 59.8
3424	428.9 ± 35.8
3425	326.6 ± 53.2
3426	74.5 ± 28.2
~~3427~~	

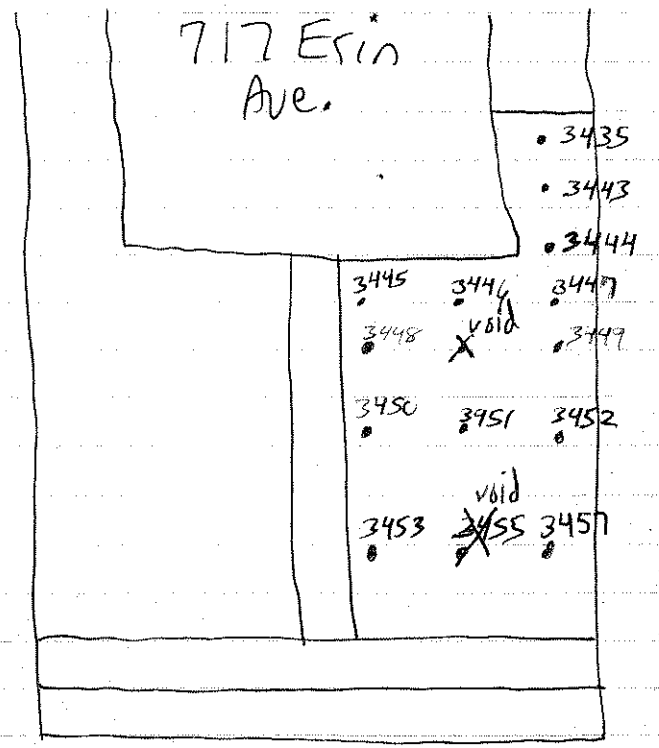


Crew continue to add fill dirt and some top soil to back yards of properties on Erin Ave. Work continues throughout shift w/no incidents. Off site @ 1730.

10/6/06

0700 START White arrives onsite.
0730 START White arrives at 717 Erin Ave.
0800 START Calibrates XRF.
Cal Det. 3427

Reading #	Standards	Reading (ppm)
3428	Low 32.0 ± 11.2	32.0 ± 11.2
3429	Med	1168 ± 49



DW

Reading # 717 Erin Ave	Reading (ppm)
3430	Void
3431	Void
3432	Void ~~277.6 ± 40.1~~
3433	Void
3434	Void
3435	233.5 ± 21.4
3436	Void
3437	Void
3438	Void
3439	Void
3440	Void
3441	Void
3443	213.3 ± 21.6
3444	148.8 ± 19.0
3445	151.3 ± 22.0
3446	158.9 ± 18.8
3447	179.9 ± 23.2
3448	100.1 ± 16.8
3449	95.9 ± 17.7
3450	137.6 ± 22.6
3451	47.4 ± 12.3
3452	86.2 ± 14.7
3453	143.7 ± 25.5
3457	116.0 ± 21.1
~~3458~~	~~86.5 ± 21.1~~ void

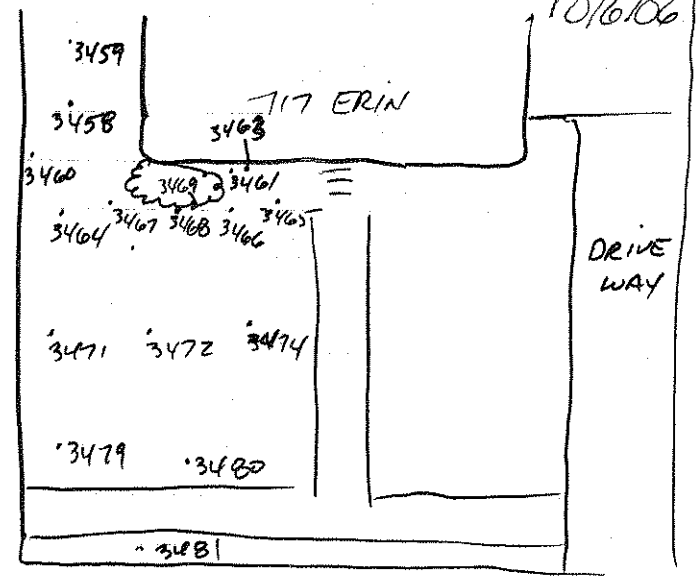
DW

10/6/06

1330 START CROSS on site w/ CMC crew. Workers excavating property located @ 717 Erin. Cross began collecting XRF samples in the front Right yard.

Reading #	Reading (ppm)
3458	86.5 ± 21.1
3459	47.5 ± 19.8
3460	144.2 ± 24.4
3461	472.7 ± 44.2
~~3462~~ VOID	
3463	268.5 ± 28.2
3464	154.4 ± 30.1
3465	55.6 ± 12.9
3466	392.4 ± 34.8
3467	178.3 ± 25.2
3468	550.9 ± 44.5
3469	125.1 ± 24.3
3470 (soil sample screening)	91.1 ± 16.4
3471	58.6 ± 14.6
3472	49.1 ± 13.9
3473	

10/6/06



Crew continue to excavate and haul waste to landfill. Fill dirt also being place in low spots and holes in the backs yards on Erin Ave. 3/4 of front yard 717 Erin excavated by end of shift. No incidents. Off site 1732.

10/7/06

0700 START CROSS on site w/ CMC crew & 8. Workers mobilized equipment to Erin Ave and began to excavate remaining of front yard @ 717 Erin. Back fill top soil delivered to site for backyards and front yard of 717 Erin.

CROSS calibrated XRF.
XRF cal/detector #: 3473

Calibration

Reading #		Reading (ppm)
~~3474~~	~~VOID~~	
3475		34.0 ± 12.6
3476		1040 ± 54
3477	(VOID)	2067 ± 82
3478		4256 ± 134
3479		32.3 ± 13.8
3480		36.4 ± 12.5
3481		26.3 ± 14.8
(pg. 105 drawing)		41.8 ± 16.4

10/7/06

1100 Workers complete excavation of 717 Erin. Crew will have top soil delivered and spread out in backyards on Erin. Dirt was loosened w/ equipment @ 707 Erin in the back yard. Workers put down fertilizer and seeds before laying down straw. Continues to lay straw and backfill w/ top soil throughout shift w/ no incidents. Off site @ 1550.

10/10/06

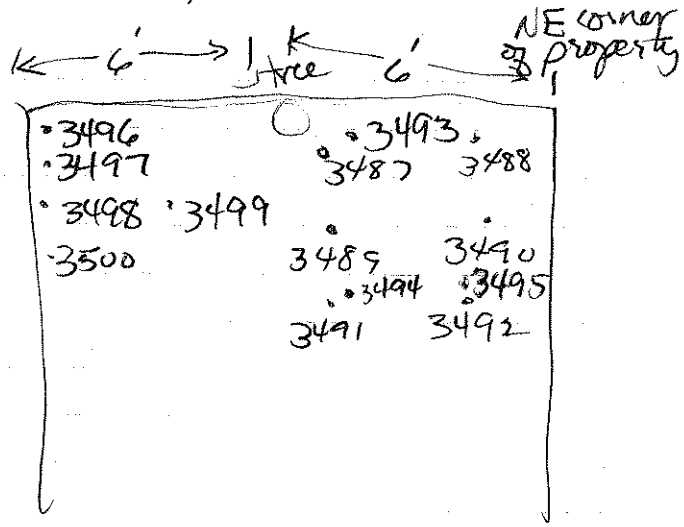
0930 START team arrives onsite.
START White meets START Young onsite. CMC clearing debris from 7/7 Grist Ave.
1000 EPA Bass arrives onsite.
1020 START team takes pictures. Photo log entered in back of logbook.
1100 START team calibrates XRF. Cal Det. # 3473

Reading #	Standards	Reading (ppm)
3484	Low	24.9 ± 10.2
3485	Med	1102 ± 48

1130 Lunch

1200 CMC Resumes clearing Debris

3487	598.4 ± 34.6
3488	1170 ± 50.0
3489	145.5 ± 23.8
3490	47 ± 17.0
3491	544.4 ± 34.8
3492	94.3 ± 16.8



CMC Repeats digging in this area to remove @ 4 more inches of soil
Re-test in same spot as Sample reading #3487 gives new reading #3493 @ 277.1 ± 24.7

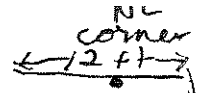
3494	39.1 ± 11.1
3495	80.2 ± 14.2
3496	415.0 ± 37.1

CMC Repeats digging in this area

3497	192.1 ± 22.0
3498	30.9 ± 10.7
3499	26.8 ± 10.4
3500	76.5 ± 16.8

10/10/06

5:30
START Young Offsite
6:00 CMC offsite



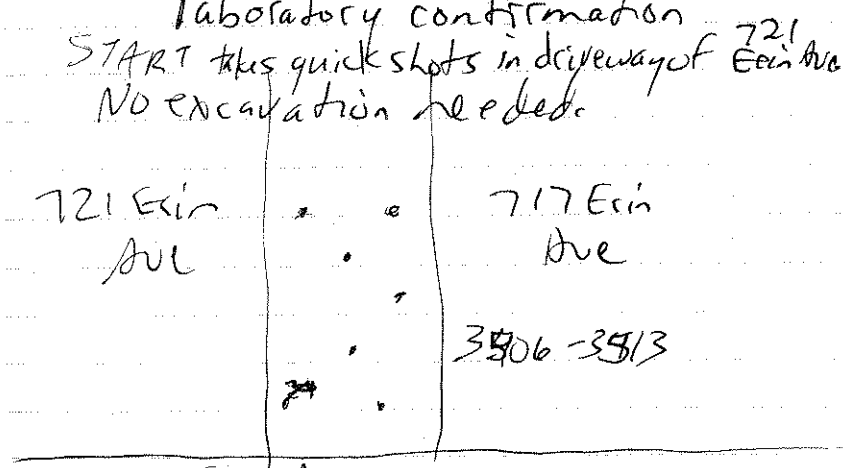
P. Young 10/10/06

10/11/06

0800 START arrives at 721 Erin.
0830 START calibrates XRF. Cal Pot #3503

Reading #	Standards	Reading (ppm)
3504	Low	22.0 ± 10.0
3505	Med	1116 ± 148

0845 START uses XRF to determine excavation area insitu.
CMC has requested that Start check the Driveway area of 721 Erin Ave. It has been determined that the backyard will be excavated, but not the frontyard. START reached this decision through laboratory confirmation
START takes quick shots in driveway of 721 Erin Ave
No excavation needed.



10/1/06

0900 CMC will remove limbs that obstruct clearance.

0907 CMC request that START take a picture of the driveway at 717 Erin Ave. Photo 90x pg 138.

0936 Break

0949 Resume work

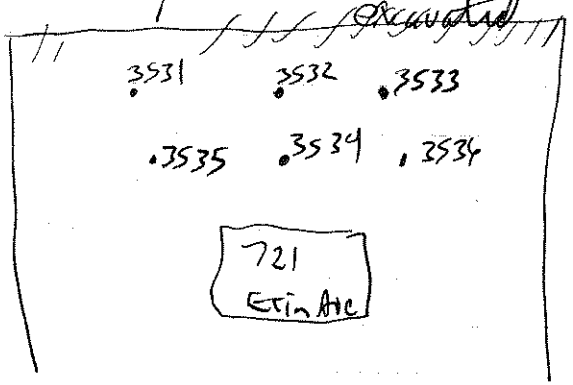
1000 START enters backyard of 721 Erin Ave. CMC is now excavating backyard are.

1100 Lunch

1140 Return from lunch

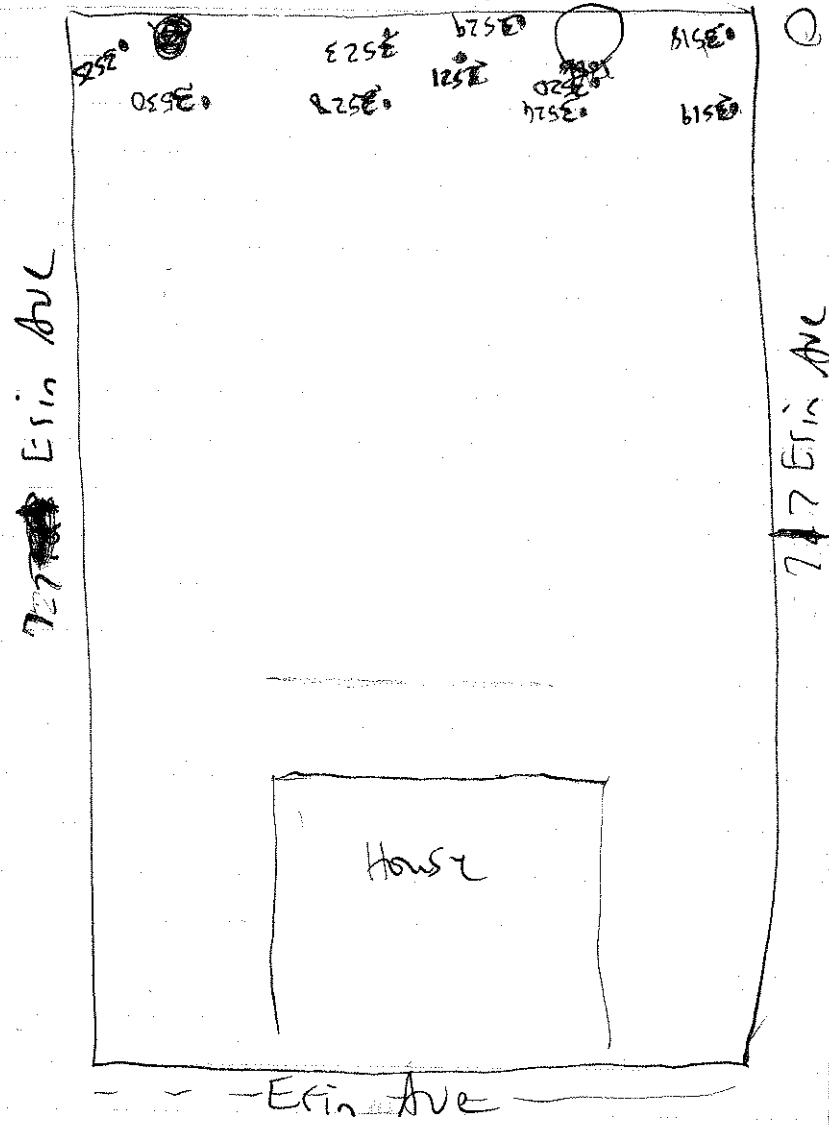
1200 START enters backyard

1312 START rechecks backyard of 721 Erin. Previously there were ~~no~~ no hot spots.



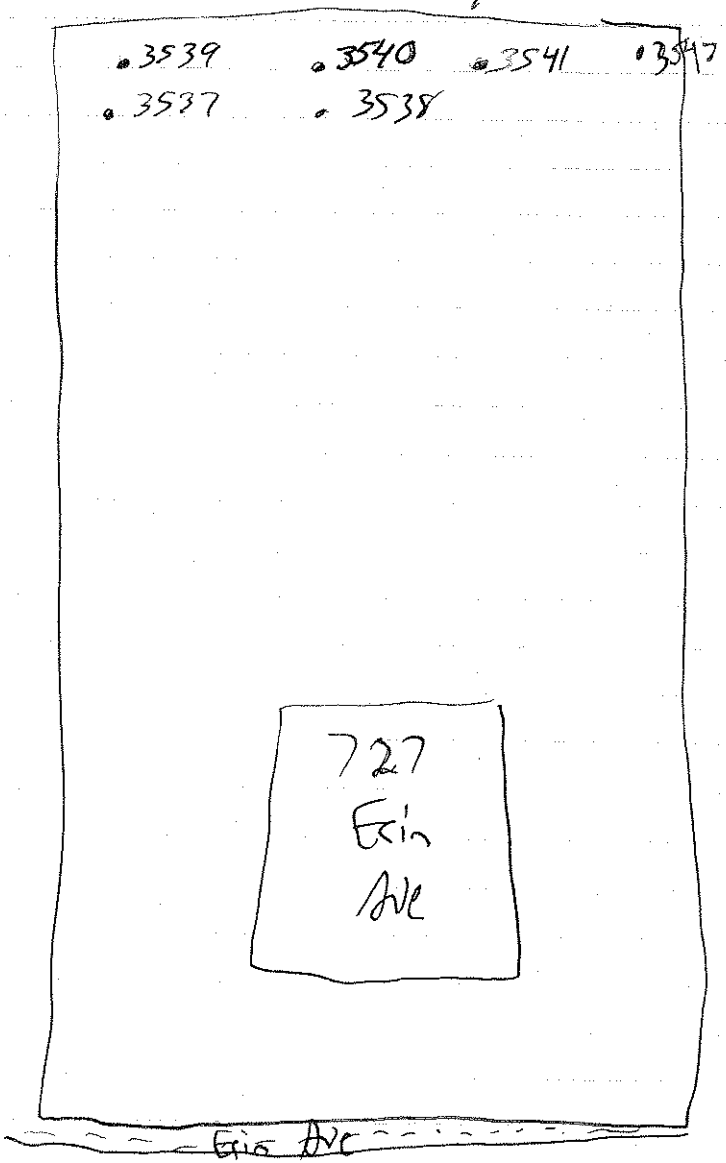
10/1/06

721 Erin Ave Diagram



10/11/06

727 Erin Ave Diagram



10/11/06

721 XRF Reading

Reading #	Reading (ppm)
3518	118.4 ± 28.1
3519	87.2 ± 20.3
3521	94.6 ± 16.6
3522	240.6 ± 2
3523	186.2 ± 21.9
3525	156.21 ± 47.3
3526	83.75 ± 17.12
3528	34.49 ± 12.41
3529	45.03 ± 24.15
3530	40.79 ± 11.44
3537	109.93 ± 18.05
3538	36.88 ± 11.17
3539	90.77 ± 20.59
3540	196.02 ± 104.8
3541	86.52 ± 15.51
3542	147.24 ± 18.87

Back XRF In-field Front Yard 721 Erin

3531	368.7 ± 29.05 ~~40.79 ± 11.44~~
3532	509.81 ± 31.64
3533	401.65 ± 30.13
3534	394.93 ± 27.84
3535	396.6 ± 57.06
3536	442.67 ± 26.9

AW

10/11/2006

1547 START prepare to depart site. Weather is sunny, hot

10/13/06

0700 arrived onsite

0726 Arrived at 713 Erin Ave. Resident, Ms. Merritt approaches START. She is interested in knowing if CNC will finish sodding her back-yard. START assures that the remaining sod will be delivered on Saturday.

0825 START calibrates XRF.
Cal Det # 3543

Reading (#)	Standards	Reading (ppm)
3544	Low	27.2 ± 10.5
3545	Med	112 ± 49

0830 START White enters backyard of 721 Erin Ave.
XRF Table

721 Erin Ave		727 Erin Ave	
Reading #	Reading (ppm)	Reading #	Reading (ppm)
3550	108.4 ± 16.9	3546	113.0 ± 22.9
3551	127.1 ± 17.8	3547	34.9 ± 19.1
3553	169.5 ± 44.3	3548	60.0 ± 19.7
3554	80.1 ± 32.2	3555	60.6 ± 28.3
3559	111.9 ± 20.3	3556	176.4 ± 31.7
3567	87.5 ± 21.1	3557	47.5 ± 21.4
3570	167.6 ± 23.5	3558	39.7 ± 16.0

10/13/06

721 Erin Ave		727 Erin Ave	
Reading #	Reading (ppm)	Reading #	Reading (ppm)
3580	133.2 ± 12.35	3569	63.4 ± 18.9
3581	172.8 ± 33.4	3572	84.6 ± 35.2
3582	48.2 ± 21.8	3573	132.8 ± 21.1
3585	38.0 ± 16.5	3574	32.4 ± 19.1
		3586	84.9 ± 19.4
		3587	33.3 ± 19.0

1142 Lunch
1210 Return from lunch
1217 Reenter backyards.
1742 START departs site.
Weather is Sunny.

10/13/06
Ewin Ave Diagram
Ewin Ave

10/13/06
Ewin Ave Diagram
Ewin Ave

0900 START arrives onsite
0920 CMC laying sod.
Twenty pallets of sod was delivered and they will spend remainder of day laying sod
START provides oversight
0930 Break
0942 Resume work
1100 START travels to 759 Beech St to collect samples. Resident's daughter is sick and is unable to to put dogs up. START departs resident.
1112 START travels back to Erin Ave where CMC is laying sod.
1230 START travels to 1299 Allene Ave to collect sample. Property has already been scanned but no samples were collected for unknown reason. Dog barking. No answer at door
1300 START leaves & walks over to 1293 Allene Ave to give access agreement to resident. Resident's daughter resides across the street at 1290 Allene Ave & has

requested that START leave an access agreement for her.
1310 START calibrates XRF Cal Det #3688

Reading #	Standards	Results
3589	Low	23.8 ± 0.5
3590	Med	109 ± 1.8

Void Readings 3591 - 3592
1356 START leaves Allene Ave at 717 Erin Ave. CMC is laying sod.
1519 START & CMC prepare to depart site for the day. Weather is sunny & hot.

10/16/06

0830 arrives onsite.
0930 Calibrates XRF
Cal Def # 3593

Reading #	Standards	Reading (ppm)
3594	Low	19.4 ± 7.5
3595	Med	1129 ± 44

0942 EPA Bass arrives onsite
0953 START White enters Luckyard of 721 & 727 Erin Ave. CMC is digging backyards.

XRF Data Table

721 Erin Ave		727 Erin Ave	
Reading #	Reading (ppm)	Reading #	Reading (ppm)
3599	44.2 ± 12.7	3596	76.3 ± 23.4
3600	49.4 ± 20.2	3598	30.4 ± 11.7
3601	85.1 ± 15.6	3603	39.6 ± 11.7
3602	31.5 ± 10.6	3604	47.2 ± 17.4
3611	49.0 ± 17.4	3607	57.3 ± 23.6
3612	27.6 ± 12.2	3608	82.9 ± 23.9
3613	39.4 ± 14.8	3615	68.3 ± 23.1
3614	43.7 ± 13.9	3618	53.5 ± 13.1
		3619	74.5 ± 29.7

10/16/06

1128 Lunch
1149 Return
1200 Resume Work
CMC resumes excavation.
1210 START continues to take XRF readings.
1727 Departs Site.

10/18/06

0710 Arrives onsite
0737 CMC transports equipment to 721 + 727 Erin Ave.
0810 CMC begins excavating
0812 START calibrates XRF

Reading #	Standards	Reading (ppm)
3627	Low	16.9 ± 9.5
3628	Med	1127 ± 48

Refer to pgs 120-121 for drawings of 721 + 727 Erin Ave.

XRF Table

721 Erin Ave		727 Erin Ave	
Reading #	Reading (ppm)	Reading #	Reading (ppm)
3635	85.7 ± 17.1	3629	101.9 ± 18.9
3636	66.9 ± 16.9	3630	101.6 ± 17.7
3637	141.3 ± 22.5	3644	90.1 ± 15.7
3648	164.7 ± 26.8	3645	112.6 ± 22.4
		3646	58.4 ± 15.9
		3656	106.8 ± 21.3
		3657	71.7 ± 13.6
		3664	59.2 ± 14.3
		3665	38.0 ± 13.6
		3666	44.2 ± 12.0
		3671	75.3 ± 14.0
		3672	108.6 ± 23.5

10/18/06

721 Erin Ave	727 Erin Ave	
	Reading #	Reading (ppm)
	3673	46.3 ± 23.0
	3675	125.2 ± 31.9
	3683	76.1 ± 19.7
	3684	88.5 ± 17.4
	3685	57.8 ± 21.4

10/18/06

1142 Lunch EPA Bass arrives onsite.
1210 Return
1222 Resume work
CMC & START reenter backyards.
1300 START uses the XRF to determine if the west side of 727 Erin should be excavated.
1740 START & CMC depart site. Weather is cloudy.

10/19/2006

0730 START arrives onsite.
0815 START calibrates XRF.

Reading (#)	Standards	Reading (ppm)
3688	Low	245 ± 10.3
3689	Med	1108 ± 48.0

Cal Det #3687.

721 Erin Ave		727 Erin Ave	
Reading #	Reading (ppm)	Reading #	Reading (ppm)
3708	28.87 ± 11.85	3691	38.5 ± 15.4
3709	25.26 ± 10.16	3692	32.5 ± 11.4
3710	73.68 ± 15.55	3699	121.1 ± 17.3
3711	78.9 ± 14.03	3700	47.5 ± 12.7
3712	35.45 ± 11.43	3701	58.3 ± 13.0
3713	42.81 ± 12.22	3706	51.64 ± 18.19
3714	57.9 ± 11.83	3707	37.6 ± 14.67
3715	60.3 ± 11.95		
3716	65.05 ± 12.95		
3717	63.12 ± 12.47		

10/19/06

1000 START White Collects TCLP Sample for 731 Ersin Ave. Sample ESB-731Ersin-B.

1012 START is approached by the property managers of 703 Ersin Ave. They are upset because they were told that the backyard ~~of~~ would be sodded & it is seeded. START told them that she would speak with Rick Hollingsworth. He is on vacation and will return on Tuesday.

1059 START departs site to travel to lab.

1350 START travels back to site.

1430 START takes XRF Confirmation Samples

1700 Depart Site.

10/20/06

1345 START arrives onsite. EPA Bass is onsite. START calibrates XRF.

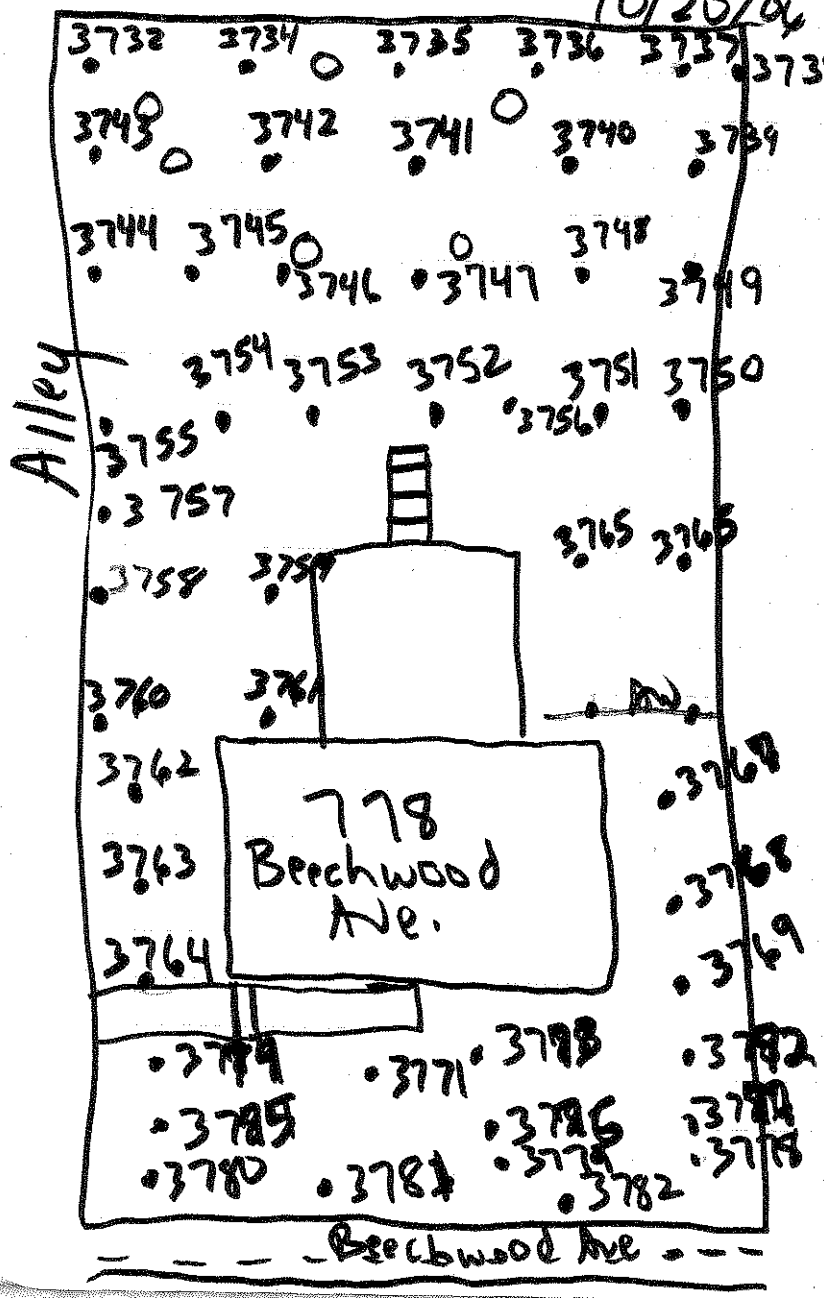
Reading #	Standard	Reading (ppm)
3723	Low	60.3 ± 12.3
3731	Med	989.9 ~~± 44.1 ± 17.3~~
Cal Det # 3722 ± 93.6		

778 Beechwood Ave

Reading #	Reading (ppm)
3732	47.41 ± 11.25
3734	234.26 ± 19.37
3735	166.47 ± 15.43
3736	447.4 ± 28.07
3737	170.76 ± 17.08
3738	132.91 ± 16.69
3740	67.17 ± 11.95
3741	83.92 ± 12.73
3742	112.69 ± 14.91
3743	29 ± 10.16
3744	94.4 ± 13.3
3745	391.92 ± 24.5
3746	169.7 ± 18.3
3747	82.3 ± 13.1
3748	88.19 ± 13.61
3749	157.94 ± 17.13

DW

10/20/06



Cont'd

Reading #	Reading (ppm)
3750	86.53 ± 13.34
3751	80.85 ± 13.45
3752	34.79 ± 10.36
3753	67.49 ± 14.08
3754	90.3 ± 14.73
3755	222.26 ± 20.8
3756	143.93 ± 17.42
3757	195.86 ± 19
3758	349.53 ~~349 ± 50~~ ± 23.90
3759	146.78 ± 16.93
3760	347.41 ± 23.68
3761	213.95 ± 18.99
3762	228.27 ± 20.64
3763	232.77 ± 20.89
3764	42.17 ± 11.37
3765	43.91 ± 10.6
3766	66.09 ± 12.42
3767	56.05 ± 11.66
3768	43.96 ± 11.26
3769	45.68 ± 10.93
3770	23.63 ± 9.72
3772	87.18 ± 13.18
3773	133.63 ± 17.31
3774	54.91 ± 11.86
~~37~~	

10/20/06

Reading #	Reading (ppm)
3775	32.83 ± 10.37
3776	35.61 ± 10.02
3777	30.87 ± 10.19
3778	50.42 ± 11.65
3779	40.6 ± 10.91
3780	52.26 ± 10.62
3781	20.64 ± 9.1
3782	37.96 ± 8.45
3783	134.04 ± 15.86
3784	189.72 ± 18.22

1550 START White & EPA Bass retest the 2 spots that were hot. Only one spot was able to be released. The second spot was since covered with ~~[illegible]~~ AW pallets of sod. EPA Bass & START White explained why a removal wasn't necessary.

1610 START White & EPA Bass depart site.

Photo Log

703 Erin Ave. Photolog

~~Dat~~ AW

Photo#	Date	Taken By	Direction	Description
1	9/13/06	AW	N	Front of 703 Erin Ave
2	"	"	W	Front yard of "
3	"	"	S	Front yard of "
4	"	"	N	Driveway of 703 Erin Ave
5	"	"	N	Cracks in driveway of "
6	"	"	W	walkway area of 703 Erin Ave
~~7~~	~~"~~	~~"~~	~~W~~	~~Crack in planter box~~ AW
7	"	"	W	Damage to porch of 703 Erin Ave
8	"	"	W	Crack in concrete of planter box
9	"	"	S	Back of house at 703 Erin Ave
10	"	"	SE	westside of 703 Erin Ave

AW

703 Erin Ave. Photolog cont'd

Photo#	Date	Taken By	Direction	Description
11	9/13/06	AW	NE	Backyard of 703 Erin Ave
12	"	"	NW	uprooted tree in backyard of
13	"	"	N	Backyard of 703 Erin Ave

707 Erin Ave Photolog

Photo#	Date	Taken By	Direction	Description
14	9/13/06	AW	N	Front of 707 Erin Ave
15	"	"	N	Driveway of 707 Erin Ave

AW

707 Erin Ave Photo Log cont'd

Photo#	Date	Taken By	Direction	Description
16	9/13/06	AW	W	Broken window on eastside of house
17	9/13/06	AW	NW	Backyard of 707 Erin Ave
18	"	"	N	707 Erin Ave Backyard
19	"	"	N	Back of house at 707 Erin
20	"	"	N	Tree growing in Foundation at 707 Erin

9/22/06 713 ERIN PHOTO LOG

PRE-EXCAVATION

				Description
#1	9/22/06	BC	N	Front of House
2		"	"	Missing Front Porch door
3		"	W	WEST SIDE of House
4		"	W	~~[illegible]~~ Damaged foundation
5		"	N	BACK YARD
6		"	looking S	Back of House
7		"	N	Damaged Air Conditioning Unit
8		"	E	EAST side (Damaged DRIVE WAY)
9		"	E	Front foundation (CRACK DAMAGE)
10		"	E	DRIVE WAY

10/10/2006

721 Erin Photo Log

Pre-excavation

Photo#	Date	Taken By	Direction	Description
11	10/10/06	AW	N	House front
12	10/10/06	AW	W	sidewalk damage
13	10/10/06	AW	SE	shrubbery
14	10/10/06	AW	SW	shrubbery
15	10/10/06	AW	NE	west side of house
16	10/10/06	AW	S	Back of House
17	10/10/06	AW	SW	East side of house
18	10/10/06	AW	NE	CMC contractor removing Debris

727 Erin Photolog 10/10/2006

Pre excavation

19	10/10/06	AW	N	front of House
20	10/10/06	AW	NW	East Side of House
21	10/10/06	AW	S	Back of House
22	10/10/06	AW	SE	west side of House
23	10/10/06	AW	N	CMC contractor Removing Debris
24	10/10/06	AW	SW	DAmage to NE corner
25	10/10/06	AW	SW	Broken Screens on East side

717 Driveway 20/11/04

Photo #	Taken by	Date	Direc	Description
1	DW	10/11/04	N	Driveway 717 Erin
2	"	"	N	"
3	"	"	W	"
4	"	"	W	"
5	"	"	NE	"
6	"	~~NW~~	NW	"
7	"	"	W	"
8	"	"	SW	"
9	"	"	SW	"
10	"	"		
11	"			

1 (PAGE NUMBER)

Projects

LOGBOOK # 5
10/24/06 to 1/9/07

Nar

Ad

Ph

Th
sp
wa

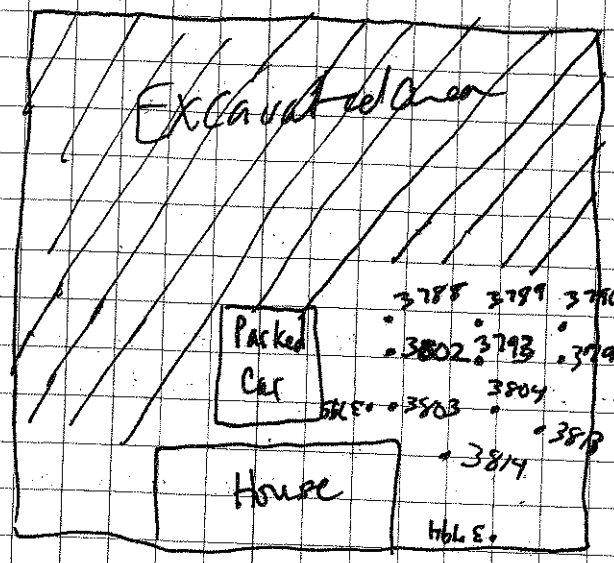
DT

Tues. 10/24/06

0900 START White arrives onsite.
0920 START White Calibrates XRF.
Cal Det. #3785

Reading #	Standards	Reading (ppm)
3786	Low	17.1 ± 9.6
3787	Med	1118 ± 48

0930 START White enters the backyard of 721 Erin Ave. CMC begins to excavate property. The eastern side of this property needs excavation.



JW

2

Tue 10/24/06

721 Erin due XRF

Reading #	Reading (ppm)
3788	55.1 ± 16.9
3789	91.2 ± 20.6
3790	56.2 ± 21.4
3791	43.2 ± 14.8
3793	113.8 ± 28.4
3794	103.3 ± 27.0
3795	68.4 ± 15.8
3802	54.3 ± 20.8
3803	18.3 ± 10.4
3804	57.5 ± 18.5
3813	71.1 ± 13.1
3814	71.7 ± 14.1

1100 Lunch
1130 Return from lunch
Resume work
~~CMC Rs~~ DW
START white continues to take XRF Sample readings.
1422 CMC backfills.
START provides oversight.
1530 Break
1539 Resumes work
1710 START & CMC prepare to leave.
DW

Tues 10/24/06

Weather is sunny & hot.

DW

Wed 10/25/06

0700 START White arrives onsite.
0800 START & CMC arrive at 721 & 727 Erie Ave.
Note: Because yards were excavated simultaneously they will be backfilled together. START will work on filing and other paperwork & provide oversite.
0910 EPA Bass arrives onsite.
1100 Lunch
1132 Return from lunch
CMC continues backfilling
START continues to provide oversite.
1500 Break
1510 Resumed work
CMC continues backfilling
1729 CMC prepare to transport equipment over to yards
Weather is hot/sunny.

Wed 10/25/06

Thur 10/26/06

0653 START White arrives onsite
0745 CMC begins transporting equipment to Erin Ave.
0900 START takes pictures of 731 Erin Ave.
0945 CMC is still clearing brush from behind 731 Erin Ave.
1145 Lunch
1230 Returned from lunch
1300 CMC still clearing brush

Reading #	Standards	Reading (ppm)
3817	Low	21.1 ± 9.2
3818	Med	1061 ± 46

Cal Det # 3816

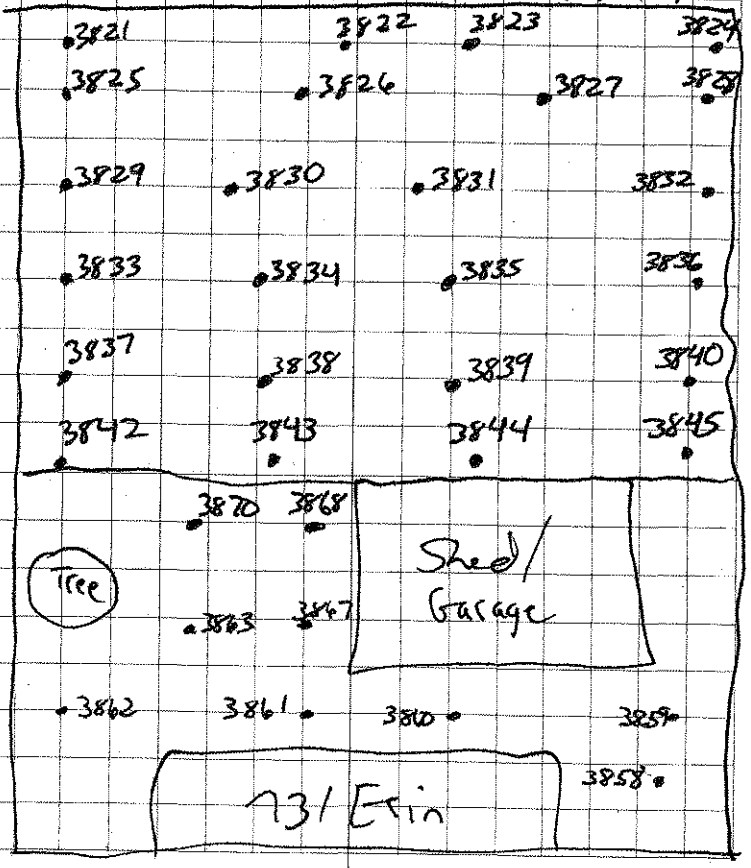
1319 START White screens back half of property while CMC continues to remove debris

731 Erin Ave XRF Samples

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3821	492.7 ± 32.4	3827	385.4 ± 32.8
3822	543.9 ± 52.2	3828	313.7 ± 29.4
3823	428.3 ± 39.9	3829	417.7 ± 40.1
3824	524.9 ± 42.0	3830	457.8 ± 28.2
3825	478.4 ± 42.4	3831	516.6 ± 42.4
3826	450.4 ± 34.4	3832	419.4 ± 35.9

713 Erin Ave XRF cont'd Thur 10/26/06

Reading #	Reading (ppm)	Reading #	Reading ppm
3833	338.4 ± 30.2	3839	676.9 ± 133.3
3834	499.3 ± 60.2	3840	493.7 ± 61.6
3835	342.2 ± 38.8	3842	547.3 ± 45.7
3836	342.5 ± 29.5	3843	446.6 ± 49.1
3837	489.8 ± 43.3	3844	563.1 ± 81.6
3838	589.7 ± 61.6	3845	706.9 ± 92.9



Thur 10/26/06

713 Erin Ave cont'd.

Reading #	Reading Gpm
3867	658.7 ± 20.6
3868	5525 ± 69.7 AW
3870	

1542 CMC continues clearing debris & brush from property.

1742 CMC begin to transport equipment to yard. Weather is cool, Sunny.

Fri 10/27/06

0700 Arrives onsite.

0726 CMC transports equipment over to Erin Ave.

0752 CMC will continue to clear debris from 731 Erin Ave. Limbs & high brush will have to be removed before CMC can proceed with excavating property.

1100 Break

1128 Return from break.

1130 CMC continues to clear debris & brush. Large limbs have to be cut down before being hauled to the landfill.

1500 Break

1512 Resume work.

1736 CMC prepare to transport equipment to yard. Weather is Sunny, hot.

6

Sat 10/28/06

0700 START arrives onsite.
0726 CMC transport equipment over to Erin Ave.
0842 Sod is delivered.
CMC will lay Sod. Pallets have been delivered & they must be layed.
Sod is placed in backyards of 721 Erin & 722 Erin.
START provides oversite.
1200 START & CMC prepared to depart site. Weather is warm, sunny.

10/28/06

7

10/30/06

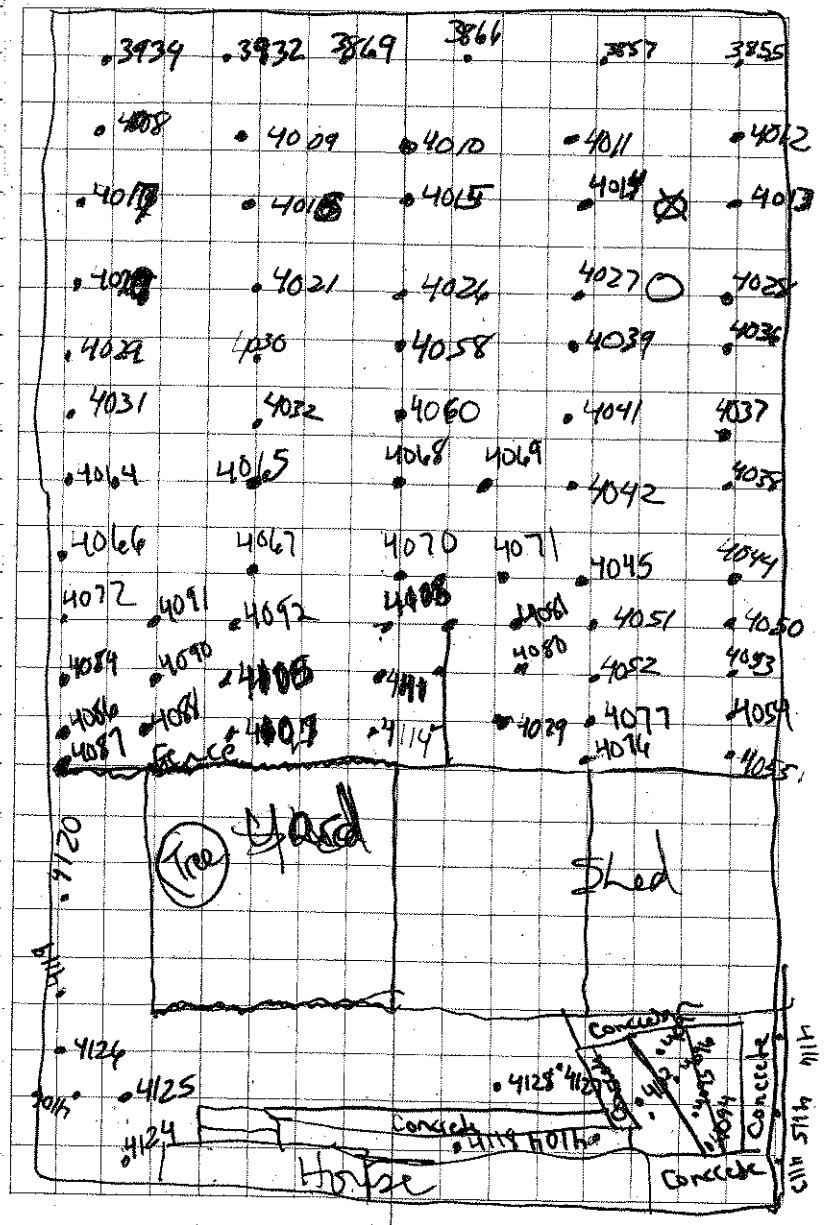
0657 START arrives onsite.
0720 CMC begins transporting equipment to Erin Ave.
0809 START White Calibrates XRF-Cal Det # 3846

Reading #	Standards	Reading (ppm)
3847	Low	22.8 ± 9.2
3849	Med	1080 ± 47

731 Erin Ave XRF Table

Reading #	Reading ppm	Reading #	Reading ppm
3855	80.1 ± 14.6		
3857	127.0 ± 29.6		
3866	66.9 ± 16.5		
3869	44.4 ± 16.0		
~~3870~~	~~Void 971.0 ± 124.6~~		
3932	67.0 ± 23.1		
3934	152.1 ± 22.6		
4102			

10/30/06



10/30/06

0840 START White screens the southern half of the backyard located at 731 Erin Ave.

731 Erin Ave Screening

Reading #	Reading (ppm)
3858	412.5 ± 27.3
3859	474.7 ± 76.2
3860	599.1 ± 129.0
3861	535.0 ± 72.7
3862	527.2 ± 121.5
3863	415.9 ± 83.8
~~3864~~	~~447.6 ± 94.6~~ void
~~3865~~	~~8~~ void
3867	658.7 ± 70.6
3868	552.5 ± 69.7
3870	971.0 ± 124.6

0957 CMC digs driveway area between 713 + 717 Erin Ave.

Note: Driveway was damaged due to transporting of contaminated soil.

1135 Break

1150 Returned from lunch

1220 CMC delivers rocks to ~~721~~ 713 Erin Ave. to replace driveway.

AW

10/30/06

1350 START White of CMC Mason travel to 1299 + 1293 Allene Ave. START White attempts to collect access agreements for 1299 + 1290 Allene Ave. The resident that resides at 1290 Allene Ave requested that START leave a blank access agreement at her parents house at 1293 Allene Ave.

1332 START And CMC arrived at 735 Erin Ave. START speaks with the resident + he is pleased that a 2nd screening is done.

Note: The XRF results were very high in the backyard of 731 Erin Ave. START wanted to do a 2nd screening at 735 Erin Ave because it was the only have from 703 - 741 Erin that came back under the PRGs. Findings proved that the deeper we dug the hotter the area was at 731 Erin Ave.

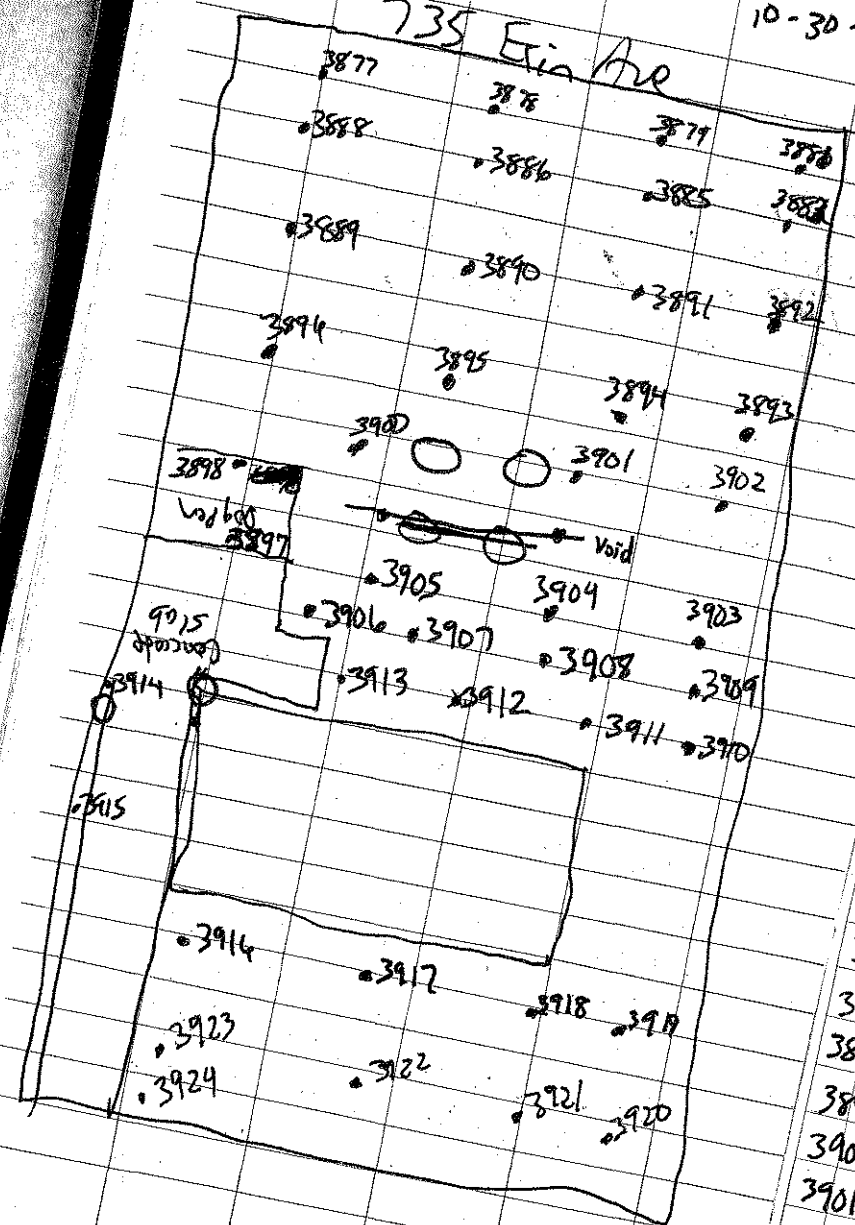
1430 Due to the number of high

AW

9

735 Erin Ave

10-30-06



735 Erin Ave XRF Reading

10-30-0

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3877	523.1 ± 35.5	3904	325.3 ± 31.6
3878	524.2 ± 30.1	3905	449.3 ± 35.3
3879	489.0 ± 43.6	3906	116.9 ± 14.6
3880 surf	274.7 ± 21.7	3907	328.6 ± 26
3881 2-4in	387.9 ± 55.3	3908	434.6 ± 28.9
3883	384.6 ± 46.0	3909	332.0 ± 27.2
3885	320.0 ± 53.2	3910	391.5 ± 26.5
3886	417.4 ± 54.0	3911	293.9 ± 26.7
3888	345.5 ± 36.5	3912	284.5 ± 23
3889	396.5 ± 46.0	3913	333.9 ± 26.8
3890	413.0 ± 42.7	3914	336.3 ± 27.2
3891	397.7 ± 41.9	3915	265.5 ± 22.7
3892	347.2 ± 43.3	3916	327.3 ± 46.2
3893	412.6 ± 34.1	3917	176.1 ± 17.8
3894	488.6 ± 61.2	3918	639.7 ± 34.6
3895	366.9 ± 39.3	3919	327.7 ± 23.8
3896	545.3 ± 52.9	3920	182.5 ± 21.2
3897	682.0 ± 48.6	3921	151.9 ± 16.8
3898	570.6 ± 42.9	3922	174.9 ± 18.2
3900	194.3 ± 25.7	3923	119.2 ± 19.3
3901	377.7 ± 46.4	3924	139.9 ± 10.4
3902	352.7 ± 43.7		
3903	448.7 ± 63.0		

10/30/06

readings in the yard, START collects samples. 4 samples are collected
ESB-735 Erin F at 1439
ESB-735 ER - F at 1452
ESB-735 Erin - B at 1439
ESB-735 ER - B at 1450
1515 START departs site. Weather is sunny + hot.

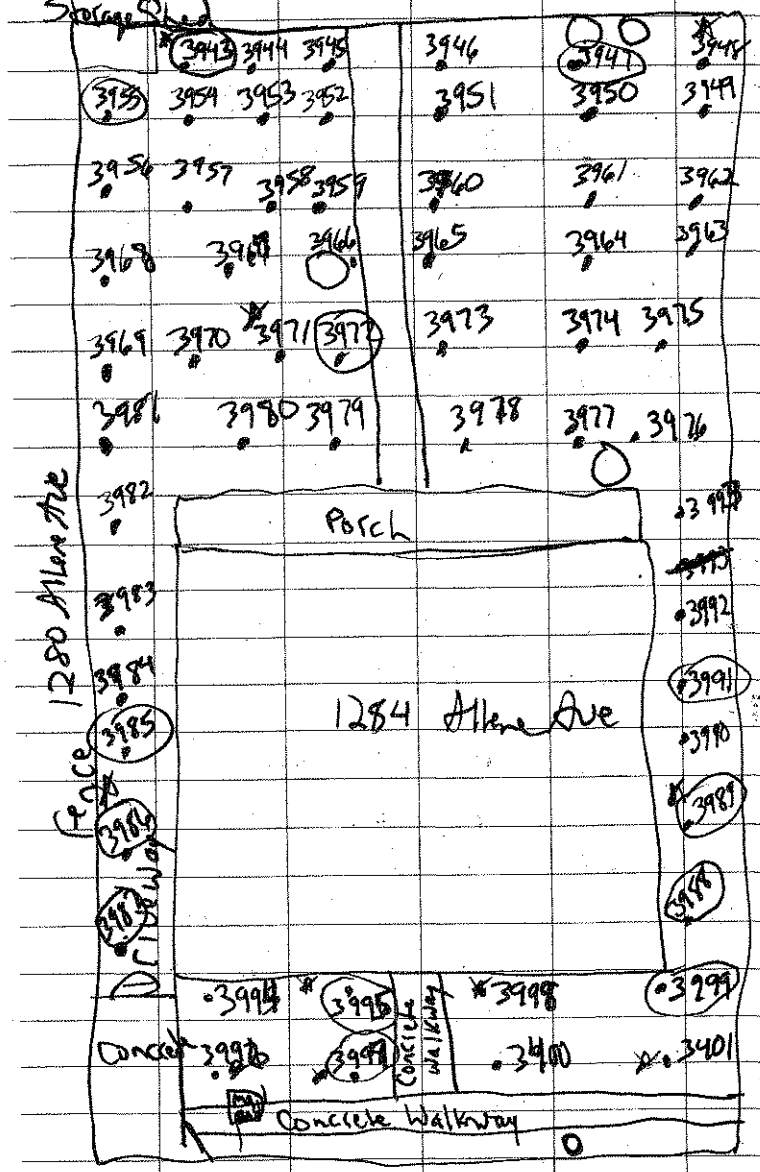
10/31/06

0700 START arrives onsite.
0729 CMC transporting equipment.
0810 Sod arrives. CMC received a partial delivery of sod on Saturday. The remaining amount of sod was delivered onto day.
0950 EPA Bass arrives onsite START gives her the folder for 703 Erin Ave.
1100 START White + CMC Walden travel to Kemrons Office.
1145 Lunch
1220 START + CMC return to Kemron's office.
~~1306~~ AW
1320 START + CMC return onsite.
1328 START calibrates the XRF. Cal Det # 3938.

Reading #	Standards	Reading (ppm)
3939	Low	25.1 ± 19.4
3940	Med	1164 ± 49

1340 START White arrives at 1284 Allene Ave. to screen the yard + collect samples.
AW

1284 Allene Ave 10/31/06



1284 Allene Ave XRF Reading 10/31/06

Reading #	Reading (ppm)	Reading #	Reading (ppm)
3943	458.2 ± 32.1	3966	164.3 ± 21.5
3944	244.0 ± 41.2	3967	216.1 ± 19.0
3945	237.1 ± 25.9	3968	257.9 ± 27.4
3946	219.4 ± 29.4	3969	270.6 ± 21.8
3947	357.7 ± 31.2	3970	214.0 ± 22.0
3948	196.7 ± 26.8	3971	266.7 ± 22.9
3949	165.1 ± 19.9	3972	523.8 ± 58.5
3950	130.5 ± 19.4	3973	251.7 ± 21.2
3951	176.4 ± 20.0	3974	271.0 ± 22.9
3952	193.4 ± 20.9	3975	263.5 ± 22.6
3953	280.5 ± 25.2	3976	240.8 ± 22.6
3954	264.5 ± 25.8	3977	261.7 ± 26.5
3955	334.4 ± 28.5	3978	209.4 ± 21.9
3956	305.0 ± 33.4	3979	183.6 ± 20.1
3957	241.9 ± 21.1	3980	161.3 ± 21.9
3958	213.0 ± 26.5	3981	206.3 ± 19.5
3959	167.2 ± 20.8	3982	183.2 ± 18.3
3960	191.2 ± 20.0	3983	184.8 ± 17.8
3961	182.8 ± 18.2	3984	289.9 ± 21.2
3962	241.9 ± 26.0	3985	332.4 ± 22.6
3963	239.2 ± 21.1	3986	333.2 ± 22.8
3964	179.5 ± 18.4	3987	354.3 ± 23.8
3965	175.5 ± 20.3	3988	371.1 ± 24.[illegible]

10/31/06

1284 Allene Ave XRF Reading

Reading #	Reading (ppm)	Reading #	Reading (ppm)
Void ~~3988~~	~~371.1 ± 24.1~~	3998	162.5 ± 16.3
3989	520.1 ± 30.6	3999	811.3 ± 378
3990	302.4 ± 23.0	4000	270.1 ± 20.5
3991	348.9 ± 32.2	4001	240.2 ± 20.6
3992	275.8 ± 24.4		
3993	194.9 ± 26.6		
3994	146.4 ± 17.0		
3995	500.0 ± 28.0		
3996	136.0 ± 15.1		
3997	360.9 ± 24.1		

1435 The owner of 1284 Allene Ave came to speak to START. She stated that she was glad we were doing (screening) her yard & that she was concerned.

1530 CMC Hollingsworth joins START at 1284 Allene Ave.

1700 START collects samples.

ESB - 1284 Allene B collected at 1700

ESB - 1284 Allene F collected at 1710

ESB - 1284 AL B collected at 1700

ESB - 1284 AL F - collected at 1710

1725 START departs Site. Weather is Sunny, cool.

11-1-06

0700 START White arrives onsite.

0815 CMC completes transporting equipment.

0817 START calibrates XRF Cal Det # 4004

Reading #	Standards	Reading (ppm)
4005	Low	24.3 ± 10.2
4006	Med	1098 ± 48

0830 START enters backyard of 731 Erin Ave to complete XRF screening

731 Erin XRF Table

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4008	90.8 ± 15.8	4027	54.5 ± 12.4
4009	63.6 ± 12.6	4028	130.9 ± 24.7
4010	115.8 ± 16.9	4029	56.3 ± 14.7
4011	50.0 ± 11.9	4030	155.3 ± 20.8
4012	89.8 ± 18.2	4031	70.8 ± 13.6
4013	40.0 ± 13.6	4032	135.3 ± 19.9
4014	148.5 ± 23.4	4036	58.9 ± 13.9
4015	52.1 ± 16.6	4037	157.7 ± 20.0
4016	86.9 ± 15.8	4038	142.5 ± 18.0
4017	89.1 ± 19.0	4039	171.3 ± 19.9
4020	157.7 ± 30.0	4041	192.6 ± 19.8
4021	49.4 ± 13.3	4042	104.2 ± 15.5
4024	68.2 ± 16.8	4044	194.5 ± 21.9

11/1/06

731 Erin XRF Readings

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4045	54.6 ± 12.1		
4050	159.7 ± 27.8		
4051	42.6 ± 12.0		
4052	161.2 ± 19.7		
4053	85.7 ± 25.8		
4054	28.7 ± 11.1		
4055	116.8 ± 27.6		
4058	67.8 ± 16.2		
4060	80.4 ± 15.7		
4064	61.0 ± 19.8		
4065	48.5 ± 13.0		
4066	83.2 ± 16.1		
4067	80.5 ± 25.2		
4068	116.8 ± 16.5		
4069	117.2 ± 25.0		
4070	52.7 ± 15.7		
4071	108.1 ± 27.1		
4072	78.4 ± 31.3		

11/1/06

945 EPA Bass arrives onsite. She is accompanied by 3 other EPA personnel.

1003 START while reenters backyard of 731 Erin Ave. START continues to take confirmation readings.

1100 Lunch

1129 Return From lunch

1152 Reenter backyard to continue excavation. CMC removes fence that seperates the backyard of 731 Erin Ave. Excavation continues.

0300 Break

0310 Resume work. START continues to take XRF confirmation readings from backyard of 731 Erin Ave.

0530 START & CMC prepare to depart site. Weather is sunny, hot.

11/2/06

1100 START White arrives onsite.
1110 START White calibrates XRF
Cal Det # 4073

Reading #	Standards	Reading (ppm)
4074	Low	21.6 ± 10.0
4075	Med	1141 ± 48.0

731 Ecin Ave XRF Readings

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4076	73.4 ± 15.6	4102	82.5 ± 21.7
4077	38.2 ± 10.9	4104	71.8 ± 26.6
4079	70.1 ± 15.1	4106	175.6 ± 25.5
4080	55.0 ± 13.1	4107	79.7 ± 16.4
4081	91.4 ± 20.0	4108	116.4 ± 18.7
4084	124.9 ± 24.5	4110	175.7 ± 23.1
4086	28.3 ± 13.2	4111	65.3 ± 15.0
4087	109.8 ± 24.9	4113	178.4 ± 20.6
4088	150.9 ± 34.8	4114	111.5 ± 17.3
4089	38.9 ± 11.4	4115	39.1 ± 11.5
4090	44.9 ± 13.6	4116	59.9 ± 24.5
4091	88.8 ± 33.2	4118	164.9 ± 18.2
4092	98.0 ± 27.6	4119	196.6 ± 21.3
4094	138.2 ± 22.4	4120	61.9 ± 13.0
4095	113.5 ± 16.7	4121	129.1 ± 27.7
4096	121.8 ± 19.4	4122	150.5 ± 33.0
4097	65.1 ± 23.9	4123	91.8 ± 14.8

AW

11/2/06

1145 Lunch
1217 Return from lunch
1226 Resume WORK. START continue to take XRF confirmation sample readings.

731 Ecin Ave XRF Confirmation Re

Reading #	Reading (ppm)
~~181.7~~ 4124	181.7 ± 19.3
4125	112.1 ± 23.7
4126	126.4 ± 17.8
4127	94.7 ± 30.6
4128	101.5 ± 32.8

11/2/04

~~0300~~ 1500 Break
~~1203/2~~ Resume WORK
START continues to take XRF readings in the backyard of 731 Erin Ave
1700 CMC prepares to leave and transport equipment.
START waits to see if tenants at 735 Erin Ave return home. Access is needed for the property.
1745 START departs site.

11/3/0

0700 START arrives onsite.
0730 CMC transport equipment.
0750 CMC backfills backyard of 727 Erin & 731 Erin Ave
0755 START obtains landlord info for 735 Erin Ave. CMC wanted to begin excavation, but access has not been gained yet.
1000 Break
1015 Resume work
1020 EPA Bass arrives onsite.
~~1110 EPA Bass departs site.~~
1047 START White obtains sign access agreement from EPA Bass. EPA Bass instructs START White to call & find out who the current owner of the property is. START White calls Eugene Moore who ~~stated~~ signed the access agreement dated ~~April~~ May 2005. He stated that he was the current owner & that we could proceed. He also said that he lived out of town, but that he was in town & he would be stopping by.

1/13/04

1130 START While Calibrates the XRF.

Cal Det # 4157

Reading #	Standard	Reading ppm
4158	Low	25.2 ± 10.3
4159	Med	1084 ± 47

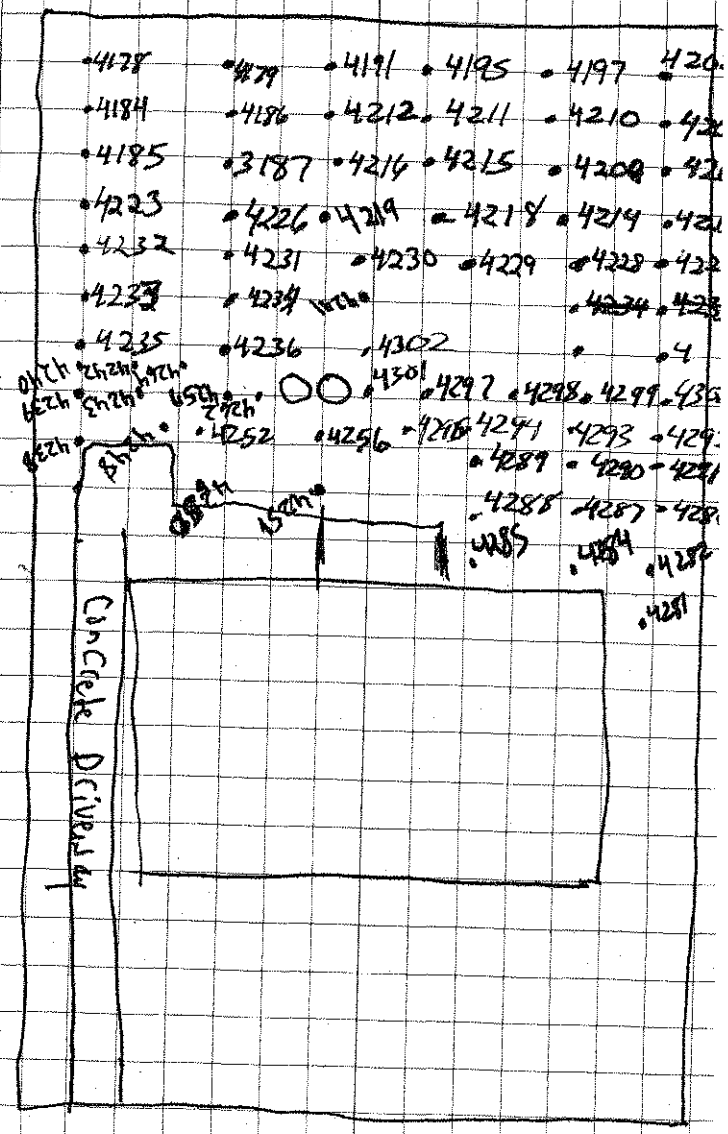
~~735 XRF~~ DW

START While enters backyard of 735 Erin Ave.

735 Erin Ave XRF Reading

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4178	42.9 ± 16.1		
4179	121.1 ± 18.7		
4184	52.6 ± 20.5		
4185	70.5 ± 25.3		
4186	32.5 ± 13.8		
4187	31.5 ± 14.0		
4191	67.6 ± 18.0		
4195	147.0 ± 21.1		
4197	97.5 ± 17.8		
4202	146.7 ± 20.9		
4203	38.2 ± 14.5		
4204	93.7 ± 24.3		

1/13/04



17

11/3/06

1145 START White reenters backyard of 735 Erin Ave.

1253 The owner, Eugene Moore, of 735 Erin arrive onsite. He stated that he was interested in what whas going on at the site. He wanted to see other yards that had been completed. START showed him other completed yards and he was pleased.

1343 CMC continues to excavate property. The northern portion of the property is difficult to excavate. It has a steep slope.

1556 Break

1610 Resume work

1722 CMC prepare to transport equipment to storage area.

1746 START departs site. Weather is cool, dry.

11/4

0704 START arrives onsite.

0729 CMC transports equipment to yard 735 Erin Ave.

0740 Excavation begins

0746 START calibrates XRF. Cal Det # 4205

Reading #	Standards	Reading (ppm)
~~4207~~	Low	16.8±9.5
4208	Med	128±48

735 Erin Ave XRF Table

Reading #	Reading (ppm)	Reading #	Reading (ppm)
~~4206~~	~~22.6±10.9~~		
~~4207~~	~~16.8±9.5~~		
4209	22.6±10.9		
4210	21.5±10.1		
4211	113.3±28.0		
4212	55.9±17.8		
4213	188.6±49.4		
4214	84.3±19.0		
4215	67.3±27.5		
4216	59.9±15.9		
4218	36.7±20.1		
4219	61.6±20.1		

11/4/06

1130 Lunch
1156 Return from lunch
1206 CMC continues excavating backyard of 735 Erin Ave.
1234 CMC removes dogpen in back yard.
1530 CMC & START prepare to leave site. Weather is cool & sunny.

11/6/06

0700 START arrives onsite.
0722 CMC transports equipment to 735 Erin Ave.
0800 CMC begins excavating backyard of 735 Erin Ave
0817 START calibrates XRF Cal Det # 4220

Reading #	Standards	Reading
4221	Low	256 ± 1
4222	Med	81 ± 4

0846 Owner of 735 Erin Ave, Eugene Moore calls START while he is wanting to know if CMC will excavate property underneath his deck. START told him that maybe excavated if it is contaminated.
1015 EPA Bass arrives onsite.

19

11/6/06

735 Ein ΔE XRF Conf. Table

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4223	104.9 ± 26.1	4256	112.0 ± 17.2
4226	46.9 ± 16.2	4257	106.5 ± 16.3
4227	72.9 ± 14.4	4262	102.7 ± 17.1
4228	152.9 ± 21.1	4264	139.9 ± 18.0
4229	99.7 ± 33.5		
4230	163.9 ± 28.4		
4231	138.5 ± 23.5		
4232	52.8 ± 19.3		
4233	63.7 ± 19.5		
4234	43.5 ± 13.4		
4235	42.9 ± 12.1		
4236	52.0 ± 21.6		
4237	54.7 ± 20.2		
4238	68.5 ± 14.6		
4239	83.9 ± 15.7		
4240	91.4 ± 17.0		
4241	69.7 ± 15.2		
4242	40.6 ± 11.9		
4243	46.4 ± 12.7		
4248	174.2 ± 22.2		
4250	164.1 ± 21.6		
4251	156.4 ± 20.7		
4252	84.5 ± 15.6		

Tue 11/7/06

0700 START arrives onsite.
0726 CMC transports equipment.
0800 CMC begins excavating 735 Erin Ave.
Note: It rained last night. The ground is wet, so CMC will excavate unless the ground is too wet. ~~Call~~ JW
0830 START calibrates XRF.

Reading #	Standards	Reading (ppm)
4270	Low	16.7 ± 8.6
4271	Med	1123 ± 48

Cal Dest # 4268

735 Erin Ave XRF Reading

Reading #	Reading (ppm)	Reading #	Reading (ppm)

11/7/

0940 Owner of 735 Erin Ave Eugene Moore arrive at site. Mr. Moore wanted to see the progress that we were making.
1012 CMC Adams decides that it is too wet to work. It is starting to rain more & the ground is very wet.
1020 CMC prepares to transport equipment to yard.
Weather is cloudy, raining.

21

11/8/04

0700 START White arrives onsite.
0734 CMC transports equipment to 735 Erin Ave.
0740 START White calibrates XRF. Cal Det # 4278

Reading #	Standard	Reading (ppm)
4279	Low	25.4 ± 10.3
4280	Med	1144 ± 48

0752 START begins taking XRF confirmation readings at 735 Erin Ave.

735 Erin Ave XRF Confirmation

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4281	62.4 ± 18.4	4294	158.0 ± 19.6
4282	67.0 ± 15.7	4296	125.4 ± 28.7
4284	98.8 ± 34.5	4297	76.0 ± 16.0
4285	127.4 ± 35.7	4298	33.2 ± 11.2
4286	45.8 ± 17.0	4299	159.6 ± 24.0
4287	85.4 ± 20.4	4300	61.6 ± 15.3
4288	56.5 ± 12.2	4301	62.3 ± 17.1
4289	68.3 ± 14.3	4302	59.2 ± 12.8
4290	63.8 ± 17.7		
4291	69.5 ± 16.4		
4292	153.8 ± 32.5		
4293	51.9 ± 14.0		

11/8/04

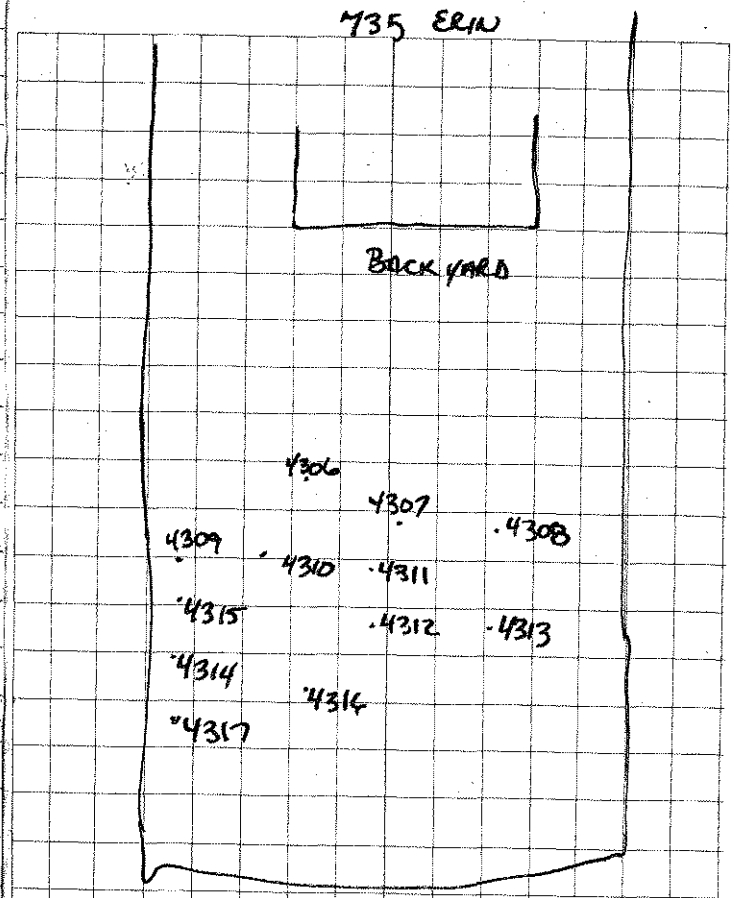
0930 EPA Bass arrives onsite. She and START White discuss site information.
1136 Lunch
1159 Return from lunch
CMC resumes excavation
START White continue to take XRF Confirmation readings in the backyard of 735 Erin Ave.
1346 EPA Bass departs site.
1456 CMC is hauling pile of excavated soil in the backyard of 735 Erin Ave.
1520 Break
1532 Resume work. CMC cont. to haul excavated soil.
1732 CMC transports equipment to yard. Weather is cool, windy.

11-9-06
START CROSS on site along w/ CMC.
Workers setup to continue excavating
at 735. Erin.
CROSS calibrated XRF.

CAL DETECTOR # → 4303

CAL READING #	STANDARD	READING (ppm)
4304	LOW	17.9 ± 9.7
4305	MEDIUM	2104 ± 48

Reading #	Reading ppm
4306	186.4 ± 19.6
4307	200.4 ±
4308	81.1 ± 26.2
4309	257.1 ± 39.3
4310	195.4 ± 25.3
4311	145.8 ± 30.3
4312	49.6 ± 13.9
4313	128.8 ± 17.6
4314	122.2 ± 19.4
4315	99.7 ± 20.2
4316	56.7 ± 15.7
4317	100.9 ± 20.0



11-10-06

0700 START CROSS on site w/ CMC crew workers mobilized to Erin to begin back filling property located @ 735 Erin.

1130 Lunch

Workers continue to back fill throughout shift. CROSS collected confirmation sample @ 735 Erin. No incidents during shift.

1730 Off site.

11-11-06

START CROSS on site along w/ CMC Workers mobilized and began lay Sod on Erin Ave. properties.

CRS selector # 4318

CRS Reading #	Standard Reading
4319	Low
4320	med. 779.4 ± 38.

CROSS set up to screen property on . Also collected soil samples @ 1291 Allen, 1290

Reading #	Reading (ppm)
4321	38.7 ± 10.5
4322	64.3 ± 13.6
4323	96.7 ± 15.0
4324	109.9 ± 15.4
4325	34.3 ± 10.9
4326	18.9 ± 9.6
4327	53.5 ± 9.9
4328	
4329	52.0 ± 12.5
4330	103.8 ± 15.4

24

1290 allene

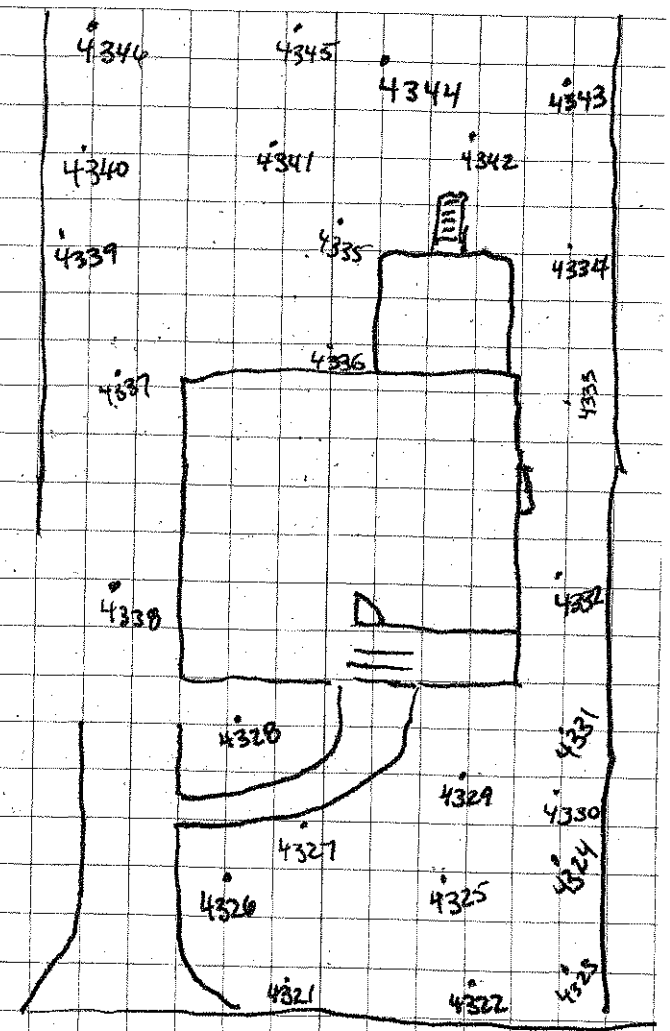
11-11-06

Reading #	Reading (ppm)
4331	131.9 ± 17.1
4332	—
4333	22.0 ± 7.8
4334	13.7 ± 6.7
4335	—
4336	77.9 ± 13.3
4337	—
4338	40.3 ± 16.7
4339	13.7 ± 7.5
4340	41.9 ± 11.0
4341	68.9 ± 12.6
4342	56.1 ± 11.7
4343	97.4 ± 19.6
4344	123.7 ± 15.7
4345	95.5 ± 50.9
4346	174.8 ± 21.7

Workers continue to sod properties on Erin throughout shift w/no incident.

OFF site 1430

11-1



11/13/06

0700 START arrives onsite. CMC
0756 ~~START~~ backfills & grades soil.
0859 START White & CMC Adams speak in regards to houses on Hartford Pl.
1137 START White to lunch.
1205 Return from lunch
1230 EPA Bass arrives onsite.
1240 START White takes photos at 787 Hartford Pl.
Note: EPA Bass has requested that CMC not excavate any properties at this point. She would like for all properties to be backfill & restored as close to pre-excavation state.
1300 CMC continues to backfill & grade soil.
1530 Break
1700 CMC & START prepare to leave site.
Note: START obtained permission from EPA Bass to complete other tasks on ~~tomorrow~~. 11/14/06

11/14/06

0700 START arrives onsite.
CMC will backfill at 731 & 7 Erin Ave.
0800 CMC transports needed equipment. Backfilling tasks begin.
0900 Break
0909 Resume work.
CMC continues to backfill.
1100 Lunch
11:06 START travels to office.
11:40 START returns onsite.
CMC continues to backfill.
CMC prepares to depart site & depart home for the holiday week.

11/20/06

0706 START arrives onsite.
0730 CMC will excavate properties on Hartford Pl. The equipment has been relocated to a lot
0810 Resident spoke with CMC Adams. She is the resident at 787 Hartford Pl. She has requested that all of her plants be saved or replaced. She is also making a lot of unreasonable requests. CMC Adams explained to her that we will only remove what we have to.
0832 START White + Young calibrate XRF. Cal Det # 4347

Reading #	STARDARDS	Reading (ppm)
4348	Low	22.6 ± 4.4
4353	Med	1151 ± 48

0900 CMC begin excavating the east side of 787 Hartford Pl.
0910 CMC Adams notifies START team that CMC equipment broke + cracked the concrete slabs at 787 Hartford Pl.
0928 EPA Bass arrives onsite.
0942 Resident is concerned because

DN

11/2

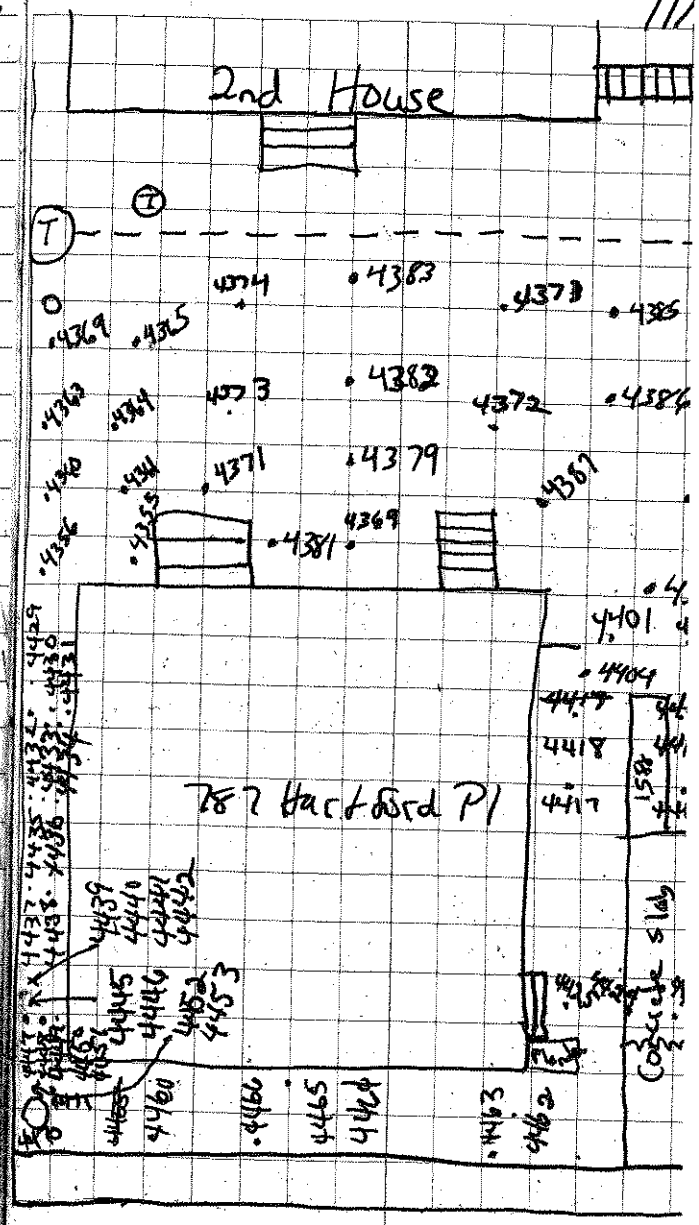
Cont CMC is not excavating the entire property. Two houses sit on the property located at 787 Hartford Pl. The house located on the front of the property is older + the house located at the rear of the property is newer. START informed her the decision to do so. START explained why a certain portion of the property was being excavated.
1115 EPA Bass departs site.
1130 Lunch
1155 Return from ~~work~~ lunch
1200 Excavation continued
START continues ~~to~~ take XRF confirmation readings.
1530 Break
1543 Resume work
CMC continues to excavate soil. START continues to provide oversight + XRF confirmation readings.
1715 START + CMC departs site.
Weather is cool, sunny.

DN

11/27/06

787 Hartford Pl. XRF Readings

Reading #	Reading (ppm)
~~4369~~	~~195.0 ± 32.9~~
4355	49.3 ± 15.4
4356	180.4 ± 29.9
4360	109.8 ± 24.6
4361	287.0 ± 40.6
4363	132.8 ± 28.6
4364	241.4 ± 32.1
4365	147.6 ± 25.4
4369	195.0 ± 32.9
4371	23.3 ± 11.7
4372	93.4 ± 18.2
4373	144.2 ± 21.8
4374	23.0 ± 12.1
4378	38.1 ± 12.8
4379	25.4 ± 13.2
4381	98.7 ± 26.3
4382	79.0 ± 18.4
4383	90.5 ± 24.2
4384	49.8 ± 13.6
4385	176.0 ± 24.0
4386	87.6 ± 17.9
4390	103.0 ± 28.5
4391	127.2 ± 18.4
4401	85.8 ± 15.4
4402	76.4 ± 16.6
4404	42.0 ± 12.2
4405	109.6 ± 19.4



787 Hartford

11/28/06

0700 START accives onsite.
0800 CMC begins excavation.
0832 START calibrates XRF.
Note: Reading 4406 - 4410 voided.
Cal Det # 4411

Reading #	Standards	Reading (ppm)
4412	Low	23.5 ± 10.1
4414	Med	1103 ± 48

787 Hartford PI XRF Reading

Reading #	Reading (ppm)	Reading #	Reading (ppm)
4415	126.2 ± 20.0	4430	306.3 ± 31.5
4416	46.1 ± 12.4	4431	70.4 ± 16.5
4417	210.3 ± 22.3	4432	645.8 ± 43.9
4418	303.9 ± 25.8	4433	1177 ± 64
4419	114.6 ± 18.0	4434	108.9 ± 20.7
4420	112.0 ± 17.2	4435	264.6 ± 27.6
4421	451.9 ± 38.9	4436	184.0 ± 24.6
4422	205.7 ± 24.0	4437	123.7 ± 20.6
4423	302.5 ± 40.7	4438	43.4 ± 14.9
4424	223.9 ± 18.9	4439	159.3 ± 21.0
4425	250.2 ± 25.0	4440	271.4 ± 30.3
4426	97.2 ± 17.8	4441	465.1 ± 35.5
4427	453.9 ± 36.0	4442	571.5 ± 39.6
4428	81.3 ± 18.8	4443	42.6 ± 16.7
4429	122.8 ± 24.2	4444	33.7 ± 9.1

11/28/06

Note: CMC is using another excavator because of access. The bucket has teeth on it.

Data point 4421 was 451.9 ± 38.9 CMC Redug same spot. Reading #4422 taken on same spot yields 205.7 ± 24.0. PG

#4427 high reading in tree roots. CMC hand shoveled area to get the area clean. 2nd reading at same spot #4428 @ 81.3 ± 18. PG

4430 high reading. CMC Redug same spot for 70.4 ± 16.5 reading # 4431. PG

#4440 - 4443 levels increased as depth increased. Dug same spot several times until area read clean. PG

4444 Test reading on medium Standard - Check done by Niton Rep

4447 + 4448 were re-dug in same spot 4449 yields 70.6 ± 17.1. PG

1730 Start + CMC Departs site PG

11/28/06 PG

787 Hartford Place 11/28/06

Reading #	Reading (PPM)	Reading #	Reading (PPM)
4445	104.2 ± 19.4		
4446	60.8 ± 14.8		
4447	401.0 ± 31.5		
4448	314.1 ± 36.4		
4449	70.6 ± 17.1		
4450	350.4 ± 34.2		
4451	169.7 ± 24.7		
4452	84.8 ± 22.8		
4453	79.6 ± 17.3		
4454	error		
~~4455~~	~~856.8 ± 46.6~~		

pg

pg 4-28-06

R Young 11-28-06

11-28-06 pg

787 Hartford 11/29/06

0700 Start young + CMC on site. Backfill + Excavation on site. Start White calibrate XRF Cal Det. #4456.

Reading #	Standards	Reading (PPM)
4457	Low	18.2 ± 9.7
4459	Med	1055 ± 46

787 Hartford XRF Readings

Reading #	Reading (PPM)	Reading #	Reading PPM
4460	90.1 ± 20.0		
4462	78.1 ± 15.8		
4463	29.8 ± 11.2		
4464	63.0 ± 14.4		
4465	186.2 ± 23.2		
4466	153.7 ± 20.7		
4470	256.6 ± 26.2		
4471	108.9 ± 19.7		
4475	33.0 ± 15.0		
4476	108.2 ± 17.8		
4477	42.3 ± 13.0		

pg 11-29-06

1400 excavation complete. CMC begins back fill. Light rain this afternoon. Heavy rain expected by 12/01/06 (FRI) CMC Barry Adams spoke with homeowner and advised her that her driveway would be replaced.

11-29-06 pg

787 Hartford 11/29/06

CMC Adams advised Homeowner to use extreme caution walking on muddy yard once the rain sets in tomorrow. Sod can't be laid until next week due to rain. Spoke to owner at 791 Hartford at 1430 about moving the cars in the yard. He said Towtruck was on its way. CMC Barry Adams stated that CMC would not work tomorrow (FRI) due to expected bad weather. Start Young gave him her phone number and asked him to call if they decided to start work in the morning. Start Young + Start White off site 0830. CMC stayed to put pavers in 787 Hartford driveway to prevent resident from falling.

PJY 11-29-06

793 Hartford Pl. 12/1/06

Note: Due to the weather, rain, CMC & START began work later today. 0900 The ground is still very wet & START team White & Young will attempt to use the XRF.

0900 Arrives onsite.

0945 Calibrates XRF

Reading #	Standard	Reading
4479	Low	22.2 ± 9.4
4481	Med	1138 ± 48

PJY

CMC gained access through 791 Hartford. Part of fence was removed (chainlink). Excavation was underway when Start Young arrived. No call was recieved by Start Young from CMC that work would commence this morning. all excavated areas were thoroughly screened with XRF to ensure proper depth. PJY

1130 Break for lunch PJY

12:00 Work resumed PJY

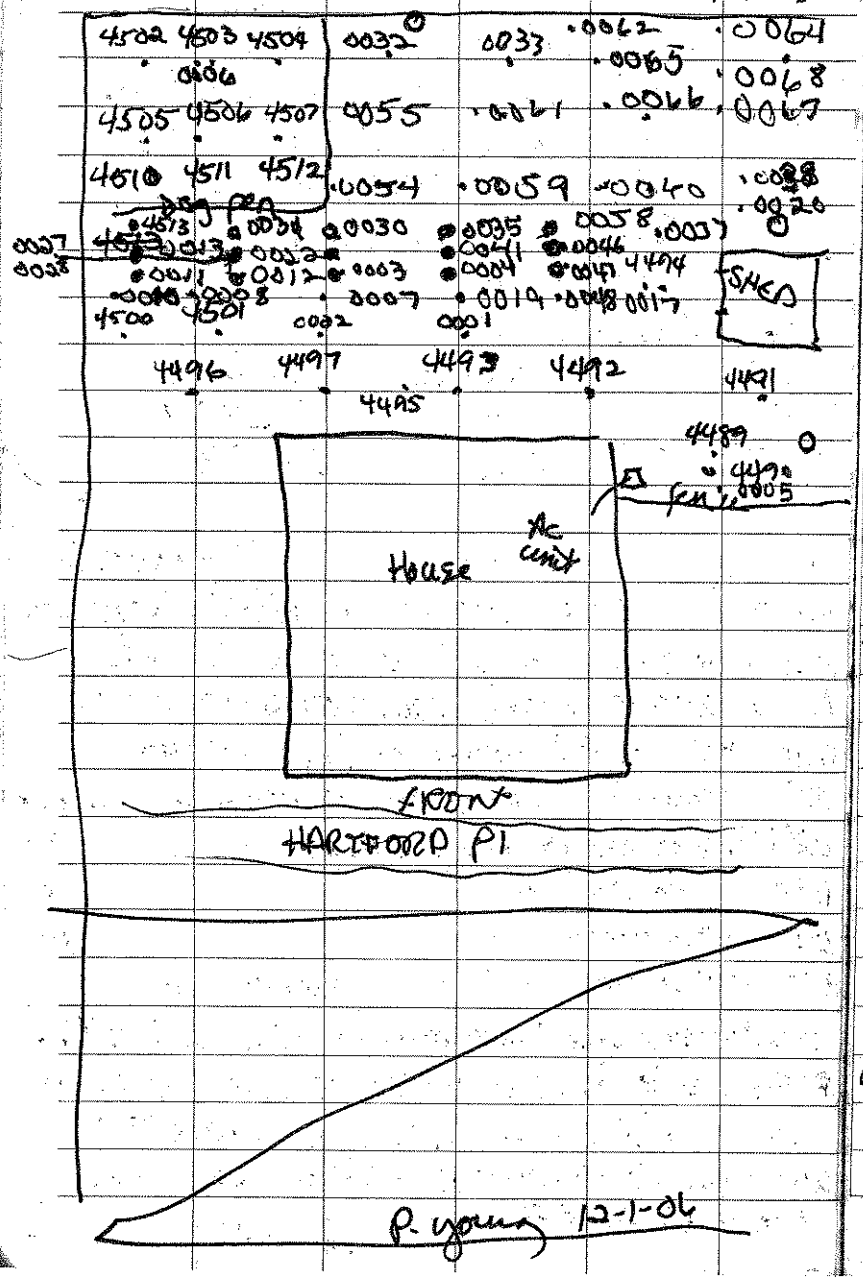
13:00 XRF memory full (95%) Downloaded readings + erased memory. Reading Start at #1. #4490 was too high. Re-dug #0005 retest on same area yielded 61.2 ± 15.1 ppm. Reading 4503 was high. Re-dug #0006 retest on same area yielded 36.1 ± 12.7 PJY

12-1-06 PJY

31

793 Hartford Pl. (rear)

12/1/06



P. young 12-1-06

Reading #	Reading (PPM)	Reading #	Reading (PPM)
4489	135.2 ± 19.6	0001	57.9 ± 16.0
* 4490	560.7 ± 39.1	0002	141.9 ± 20.4
4491	33.6 ± 14.6	0003	85.4 ± 16.5
4492	191.8 ± 26.1	0004	102.9 ± 17.4
4493	37.1 ± 13.4	0005	61.2 ± 15.1
* 4494	373.3 ± 30.8	0006	36.1 ± 12.7
4495	297 ± 27.9	0007	131.2 ± 18.4
4496	33.6 ± 12.4	0008	191.4 ± 25.1
4497	173.9 ± 20.8	~~0009~~	18.1 ± 10.6
4500	97.9 ± 19.3	0011	105.7 ± 18.9
4501	18.4 ± 10.5	0012	249.2 ± 25.1
4502	158.6 ± 20.3	0013	31.9 ± 13.3
* 4503	371.0 ± 33.5	~~0022~~	~~138.3 ± 19.4~~
4504	109.4 ± 19.9		
4505	69.2 ± 15.5		
4506	161.7 ± 20.8		
4507	42.3 ± 12.5		
4510	249.6 ± 27.9		
4511	265.9 ± 28.7		
4512	241.0 ± 26.4		
4513	38.7 ± 13.0		
4516	73.1 ~~73.1~~ ± 15.7		

Key 12-1-06

793 Hartford Pl 12/01/06

1700 finished for day. clean up of —— PM
Driveway & street underway —— PM
1730 CMC + start off site —— PM

PM 12-01-06

793 Hartford 12-02-06

0700 CMC + start on site (young, white).
Excavation will continue this morning.
Landfill closes at noon. Temp is 36°F.
Start young calibrates detector
Detector cal # 0014

Reading #	Standard	Reading
0015	low	15.6 ± 8.9
0016	Med	1109 ± 47

Reading #	Reading PPM	Reading #	Reading (PPM)
0018	58.2 ± 13.9	~~0039~~ 0037	74.3 ± 16.4
0019	74.9 ± 15.4	0038	281.3 ± 27.9
0020	54.8 ± 14.0	0046	269.7 ± 26.5
0022	138.3 ± 19.4	0047	20.8 ± 11.3
0027	55.8 ± 14.2	0048	24.8 ± 11.3
0028	73.2 ± 17.9		
0030	36.4 ± 12.5		
0032	175.3 ± 20.1		
0033	178.2 ± 20.3		
0034	41.4 ± 12.9		
0035	72.2 ± 17.9		

Reading # ~~0044~~ too high. area re-dug. Reading # 0017 yields 58.2 ± 13.9
Reading # 0022 Buried debris - took repeated readings while CMC Dug it out to ensure no contamination remained

12-2-06 PM

793 Hartford 12/02/06

CMC Dug up a barrel in this spot (0022) appeared to be an old burn barrel. No Smell to soil or any indication of contamination such as soil color change or oiliness. CMC Dug out an additional 6' of soil here. Took out rotting tree limbs, clothesline post, household trash

1200 work is finished for the day, landfill closes at noon. CMC + Start off site

12/02/06 P. Young

793 Hartford 12/04/06

0700 start young on site w/ CMC. Temp 33°F Slight wind. Start Young calibrates XRF Cal Detect # 0049

Reading #	Standard	Reading ppm
0051	low	16.9 ± 9.5
0053	MED	1074 ± 47

Reading #	Reading (ppm)	Reading #	Reading (ppm)
0054	162.4 ± 28.3		
0055	271.0 ± 24.2		
0056	132.6 ± 19.3		
0059	80.7 ± 17.8		
0060	140.4 ± 19.0		
0061	192.9 ± 22.1		
0062	117.3 ± 17.9		
0064	145.3 ± 20.1		
0065	147.6 ± 21.2		
0066	189.4 ± 21.1		
0067	163.1 ± 21.7		
0068	134.1 ± 20.9		

PY 12-04-06

Excavation complete for 793 Hartford 0930 12/04/06

PY 12-04-06

31

791 Hartford (rear) 12-04-06

0930 Excavation begins at 791 Hartford.

Reading #	Reading (PPm)
0074	32.5 ± 12.0
0080	73.5 ± 15.5
0082	50.0 ± 14.2
0083	36.0 ± 14.7
0086	90.4 ± 16.9

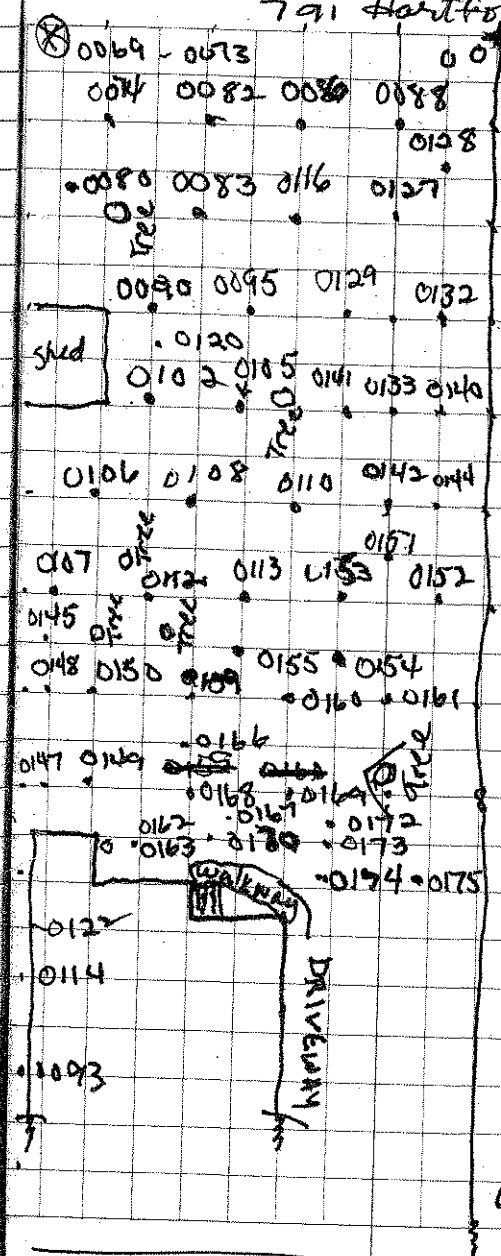
1130 lunch break
1230 work begins

0088	129.9 ± 20.5
0090	150.6 ± 20.6
0093	117.9 ± 20.7
0095	104.9 ± 19.1
0102	33.9 ± 13.3
0105	70.4 ± 16.1
0106	218.4 ± 26.6
0107	73.9 ± 17.9
0108	96.3 ± 18.7
0110	179.6 ± 24.6
0112	148.6 ± 22.0
0113	220.0 ± 23.8
0114	188.2 ± 27.5
0116	262.6 ± 26.2
0120	61.3 ± 17.1
0122	92.2 ± 18.3

P Young 12-04-06

Pg

791 Hartford 12-04-06



reading 0069 - 0073 all high. area re-dug to proper levels.

Small area behind shed dug by hand. # 0134 + # 0135

P Young 12-4-06

12/4/06 Pg

35

791 Hartford 12/05/06
787 Hartford

1130 load of Fill is brought in for 787 Hartford Place. Work on 791 is almost complete so crew stopped there and went to 787 Hartford to spread the fill dirt. Homeowner (Frances) was told yesterday that fill would be spread today. She was very unhappy when it was not brought in 1st thing this morning. CMC Adams explained that the fill would be in as soon as practical + feasible for the weather. Heavy rains have made delayed the process since wet fill is full of clumps/clods that do not promote good grass/sod growth.

1400 water pipe in front yard broken during fill process. CMC is repairing it. Homeowner was informed and did not seem very upset about it, or about having her water turned off temporarily

1700 Pipe repaired. CMC cleans up area and puts equip. away.

1730 CMC + Start young off site

Pg

793 Hartford 791 Hartford 12/06/06
787 Hartford

0700 start young on site w/ CMC. 38°F calm.
Start young calibrates XRF
cal Detect #0156

Reading #	Standard	reading (ppm)
0157	low	16.6 ± 9.4
0158	Mod	1154 ± 49

Backfill continues at 787 Hartford. 791 Hartford + 793 Hartford will be back filled simultaneously. Small section of 791 Hartford is finished being finished this morning.

Reading #	Reading ppm
0159	Below det. level
0160	1037 ± 21.7
0161	64.4 ± 18.6
0162	335.2 ± 32.0 place reding see # 0163
0163	114.0 ± 21.0 clean
0164	313.8 ± 29.1 area around tree roots
0165	619.2 ± 38.5 will be redug by hand
0166	1282.0 ± 65 area re dug see # 0168
0167	48.8 ± 15.5
0168	Below det. level
0169	239.0 ± 29.8
0170	45.8 ± 15.3
0171	115.3 ± 20.7

Pg 12-06-06

Pg

791 Hartford 12/06/06

Reading #	Reading (ppm)		
0172	40.6 ± 15.4		pm
0173	252.3 ± 29.8	tree roots	pg
0174	39.7 ± 16.3		pg
0175	57.9 ± 16.0		pg

0930 Excavation complete @ 791 Hartford.
1000 Backfill begins at 791 Hartford.
Backfill process is slow due to narrow driveway. Dirt must be dumped on street and hauled to the back by skid steer.
11:30-12:00 lunch break
12:00 work resumes
~~5~~ 1700 clean up by CMC
1730 CMC + start young off site
Note: Resident of 787 Hartford Frances, put her car on the grass in front of the back building of her property. She is aware heavy equip will be moving close to her vehicle while backfill is finished. She's going to be away until January 2nd. pg

12-6-06 pg

787 Hartford 12/07/06

0700 start young onsite w/CMC
Backfill on 787 Hartford to be completed today. Dirt is being deposite at 787 in the back yard and being moved to 791 + 793 Hartford by skid steer.
1230 start white begins sample confirmation on 793 Hartford.
Cal Detect # 0176

Reading #	standard	Reading ppm
0177	low	13.9 ± 9.1
0178	med	1155 ± 49

Samples taken of 793 Hartford
Sample # ESB - 793 Hartford ~~5886~~ 5886
and 791 Hartford Sample #
ESB-791 Hartford ~~5885~~ 5886
Start young off site @ 1430

P. Young 12/07/06

37

12/8/06

0700 Start young on site w/ cmc. Outside temp is 18°F. Work will begin later due to extreme cold. —— PY

0730 Start young offsite enroute to Dublin office for sampling supplies.

1300 Start young on site. Sod being unloaded at 787 Hartford. Start young calibrates XRF in preparation for confirmation samples at 787 Hartford. Sample # ESB-787 Hartford SBB6 —— PY

Cal detect #0192 —— PY

Reading #	Standard	Reading PPM
0192	LOW	22.5 ± 10.0
0193	ASD	1142 ± 49
0197		PY
0198		PY

Reading #	Reading (PPM)	
0196	432.1 ± 45	Flowerpot - ~~refuse~~ soil replaced PY
0198	89.1 ± 38.3	Back yard cont.
0199	Below detect limit	
0200	Below detect limit	
0201	Below detect limit	

Five point composite sample of back yard. Sample # ESB-787 Hartford - SBB6 —— Fill dirt carefully removed in areas of sampling. Red clay sfc. clearly identifiable

787 Hartford 12/08/06

Five point composite sample of front yard. Sample # ESB-787 Hartford SBF6 ——

Reading #	Reading (PPM)
0202	23.9 ± 13.3
0203	148.1 ± 25.1
0204	103.1 ± 23.7
0205	176.2 ± 32.4
0206	74.7 ± 22.8

P. Young 12-10-06

Grading of backfill continues at 787 Hartford. Special attention paid to sloping soil away from foundation to minimizing water collection there. Plants replaced and fence put back up. Flower planter dirt removed and replaced with clean soil. Soil unloaded at 793 Hartford in the driveway and moved into back yards of 793 and 791 Hartford. Grading on this area continued for rest of day. cmc reports screening equipment at the yard where they obtain soil is broken, and this may delay finishing this property today. —— PY

12/08/06

NOTE: Fill dirt was in place when samples were taken at 787 Hartford. The fill was brown topsoil, clearly different from the hard packed ~~clay~~ red clay of the layer that needed to be sampled. The fill was carefully removed in an approx. one foot area (square) around the sample spot and then the sample of the clay was taken and readings taken of the clay layer with the XRF. PY

15 1730 CMC and start young off site.

P. young 12-08-06

791 + 793 Hartford 12/09/06

0700 start young onsite w/CMC. Backfill to continue today as long as screened dirt is available. Temp 12°F. Backfill begins 0736 at 791 Hartford. Dumptruck can only get into driveway at 787 Hartford. Dirt is being dumped there and moved by skid steer to 791 and 793 through the back yard. No work has begun yet on front yards of 791 or 793 Hartford. 0900 sod being laid at 791 Hartford. Space left for skid steer to get to 793. PY

1100 all available sod is laid. CMC is done for the day. Start young and CMC off site. PY

P. young 12-09-06

791 + 793 Hartford 12/11/06

0700 start young on site w/cmc. CMC will check on status of screened topsoil as soon as the place opens this morning. Plans are to finish backfill today. Temp is 37°f. Rain in forecast for tomorrow night.

0830 Dirt arrives and backfill continues.

1400 white picket fence at 787 Hartford is repaired where need for entry to front yard made it necessary to remove an 8' section. Fence is very old and rotten. CMC shored it up with 2x4's to strengthen it. 6' section on west side was unpainted.

Grading on 793 rear yard is almost complete. Small amt of work left on 791. Digging in front yard should begin tomorrow a.m.

12-11-06

P. young

791 + 793 Hartford 12/12/06

0630 start young on site w/cmc to get equip + paperwork from Andre. Start White. Start Young calibrates XRF to prepare for digging of front yards of 791 + 793 Hartford. Chuck Berry to come on site later today.

Detector cal # 207

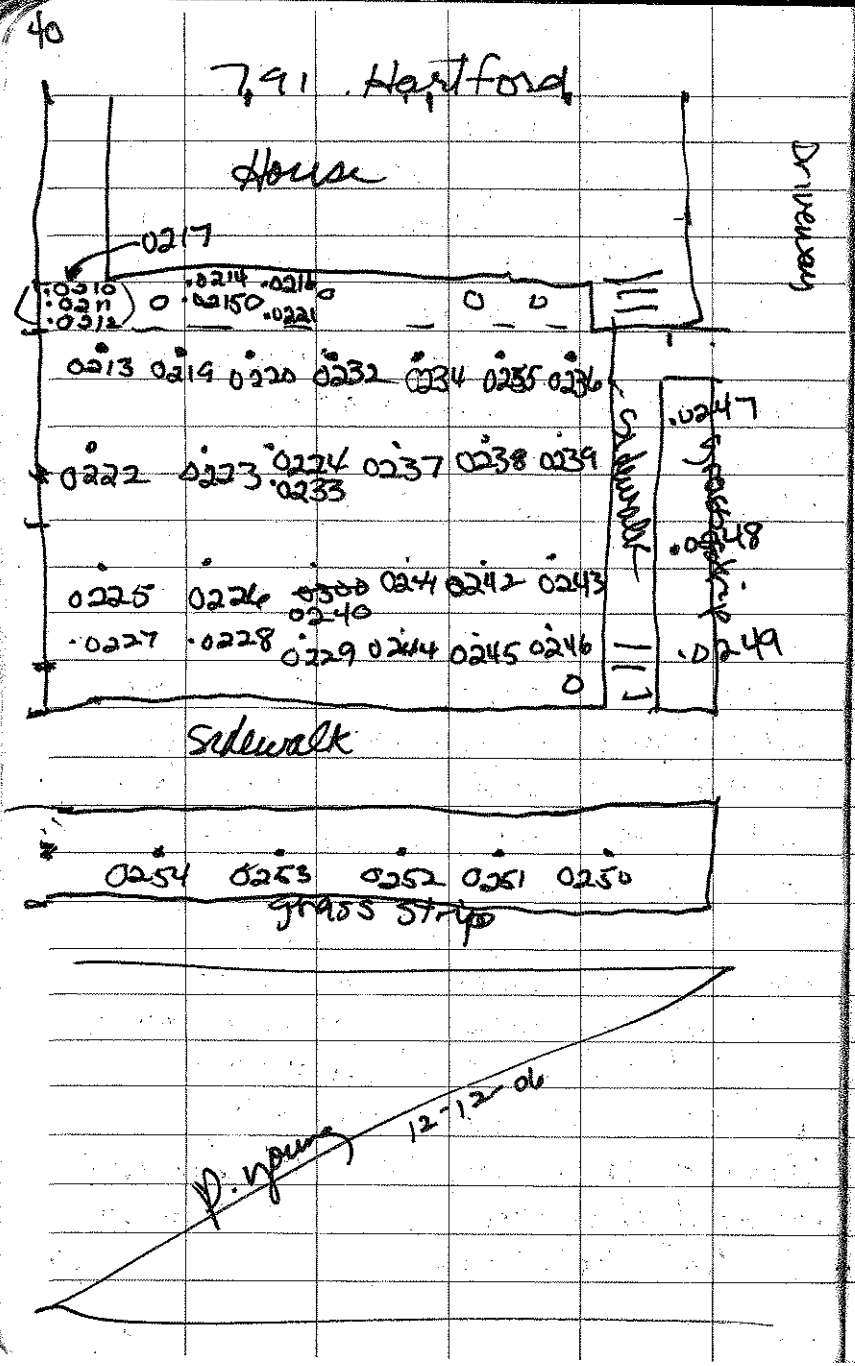
Reading #	Standard	Reading ppm
208	low	19.9 ± 9.5
209	med	1134 ± 48

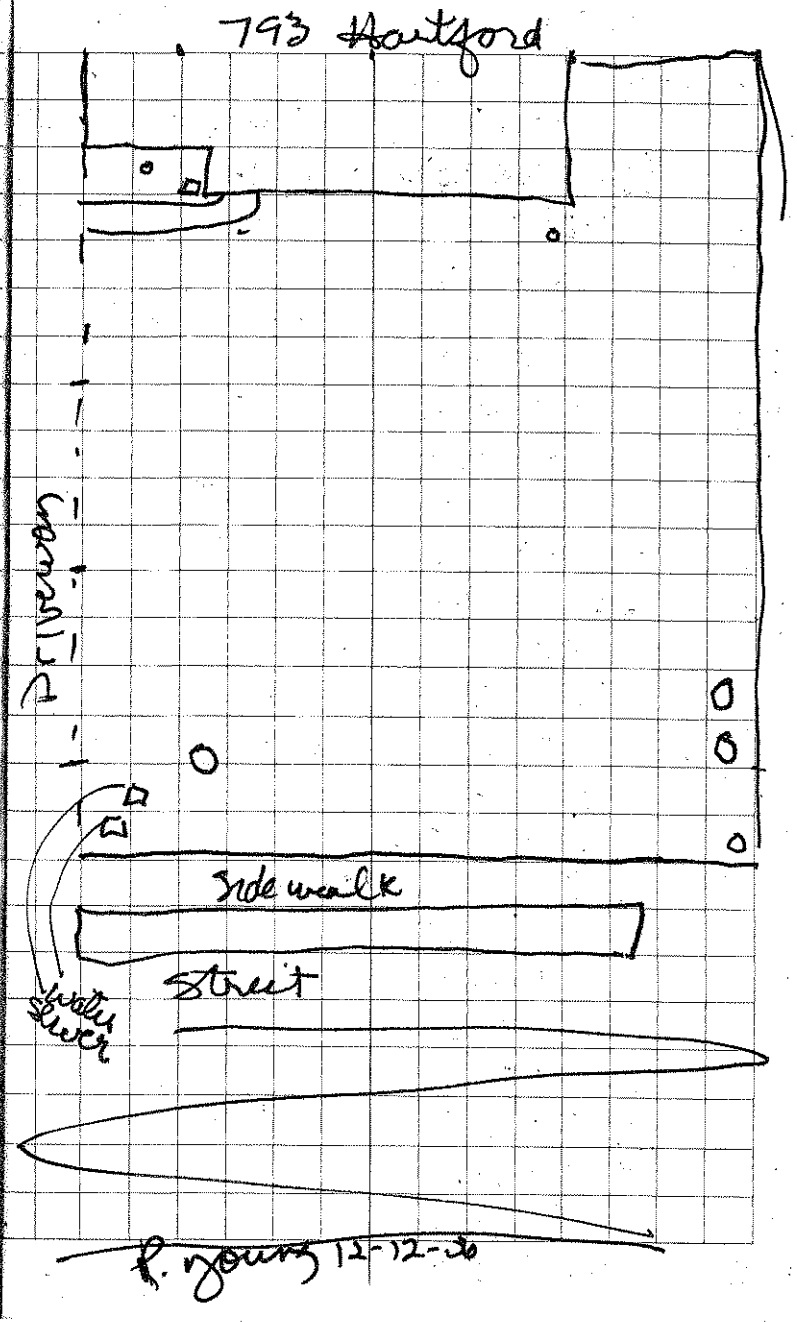
PY

0730 Spoke to resident at 793 Hartford. Told her bricks lining drive would be removed. She said that was fine, and just to save them and not try to replace them.

0730 Digging begins at 791 Hartford front yard. Water clean out is located on sidewalk + marked on map. Covered sidewalk w/ plywood to protect from skidsteer tracks. Windy + sunny. Temp 40°F watering used for dust abatement. all dust is from fill dirt thats clean.

PB


791 Hartford
House
0217
0210
0211
0212
0214
0216
0150
0221
0213 0219 0220 0232 0234 0235 0236
0222 0223 0224 0233 0237 0238 0239
0225 0226 0300 0240 0241 0242 0243
0227 0228 0229 0244 0245 0246
0247
0248
0249
Driveway
Sidewalk
Sidewalk
0254 0253 0252 0251 0250
grass strip
P. young 12-12-06


793 Hartford
Driveway
Sidewalk
Street
water sewer
P. young 12-12-06

4

791 Hartford 12/12/06

Reading #	Reading ppm	
0210	475 ± 39.3	flowers bed - reding
0211	487.5 ~~457.8~~ ± 42.4	see # 0217
0212	4~~106~~ ± 33.6	
0213	101.6 ± 19.1	
0214	426.4 ± 37.1	Reding see # 0215
0215	105.3 ± 20.3	
0216	239.2 ± 25.6	
0217	21.0 ± 12.4	
0219	68.5 ± 17.9	
0220	24.9 ± 11.9	
0221	123.2 ± 19.4	
0222	25.5 ± 13.5	
0223	111.0 ± 18.8	
0224	1275 ± 69	Reding see # 0284
0225	87.7 ± 17.1	
0226	76.0 ± 17.2	
0227	371.8 ± 34.5	reding see # 0230
0228	36.3 ± 13.4	
0229	50.7 ± 14.5	
0230	261.6 ± 30.0	
0232	258.9 ± 26.6	
0233	126.3 ± 21.8	
0234	47.3 ± 14.2	
0235	68.8 ± 19.8	
0236	29.6 ± 16.0	

py

791 Hartford 12/12/06

Reading #	Reading ppm
0237	82.4 ± 21.1
0238	36.5 ± 13.3
0239	33.8 ± 13.9
0240	40.8 ± 22.1
0241	20.3 ± 11.4
0242	26.2 ± 13.0
0243	29.2 ± 12.7
0244	24.7 ± 11.5
0245	37.5 ± 12.9
0246	77.2 ± 15.8
0247	Below Det. limit
0248	41.7 ± 18.5
0249	21.0 ± 12.2
0250	170.2 ± 23.9
0251	28.9 ± 12.8
0252	Below Det. limit
0253	23.1 ± 12.4
0254	42.1 ± 15.4

py 12-12-06

py 12-12-06

791 + 793 Hartford 12/11/06

0700 Start young on site w/cmc. CMC will check on status of screened topsoil as soon as the place opens this morning. Plans are to finish backfill today. Temp is 37°f. Rain in forecast for tomorrow night.

0830 Dirt arrives and backfill continues.

1400 White picket fence at 787 Hartford is repaired where need for entry to front yard made it necessary to remove an 8' section. Fence is very old and rotten. CMC shored it up with 2x4's to strengthen it. 6' section on west side was unpainted.

Grading on 793 rear yard is almost complete. Small amt of work left on 791. Digging in front yard should begin tomorrow a.m.

12-11-06

P. Young

791 + 793 Hartford 12/12/06

0630 Start young on site w/cmc to get equip + paperwork from Andre. Start White. Start Young calibrates XRF to prepare for digging of front yards of 791 + 793 Hartford. Chuck Berry to come on site later today.

Detector cal # 207

Reading #	Standard	Reading ppm
208	low	19.9 ± 9.5
209	med	1134 ± 48

PY

0730 Spoke to resident at 793 Hartford. Told her bricks lining drive would be removed. She said that was fine, and just to save them and not try to replace them.

0730 Digging begins at 791 Hartford front yard. Water clean out is located on sidewalk + marked on map. Covered sidewalk w/ plywood to protect from skidsteer tracks. Windy + sunny. Temp 40°F watering used for dust abatement. all dust is from fill dirt thats clean.

PY

791 Hartford 12/12/06

1200 EPA contracts officers on site.
Excavation of 791 Hartford almost complete. Backfill planned for this afternoon.

1430 Excavation of 791 Hartford complete. 5 point subsurface composite taken - ~~ESB-791-Hartford~~

Reading #	Reading PPM
0255	20.8 ± 11.1
0256	25.8 ± 11.6
0257	Below det limit
0258	32.9 ± 13.9
0259	35.3 ± 14.1

Sample ID ESB-791-Hartford-SB6F

P. Young 12-12-06

Backfill begins at this address.

1730 Cleanup complete
CMC + Start leaving site.

P. Young 12-12-06

12/13/06

0800 START Berg on site.
CMC on site excavating at 793 Hartford Place. Using a mini excavator + loader.
- Warm up XRF.

0830 Run XRF check sample w/RCRA #260 = 487 ppm ± 35.2
Standard is 500 ppm Pb. I think, will check

0835 Begin XRF analysis of excavated soil (see map + table on following page)

0915 CMC @ break.
Dump truck full and en route to dump.
- START @ Capitol Coffee to check email.

0925 Back @ 793 Hartford. Resume excavation

0945 Truck returns to site.

1110 Truck off to landfill.

1115 Cal Check of Niton w/RCRA & #260
471.0 ± 33. Check w/low standard #281 14.1 ± 8.7
Cal with blank #282 = 9.0

1120 Lunch.

1205 Truck back. Excavation resumes.
- CMC unable to remove bush

CMS

12/13/6

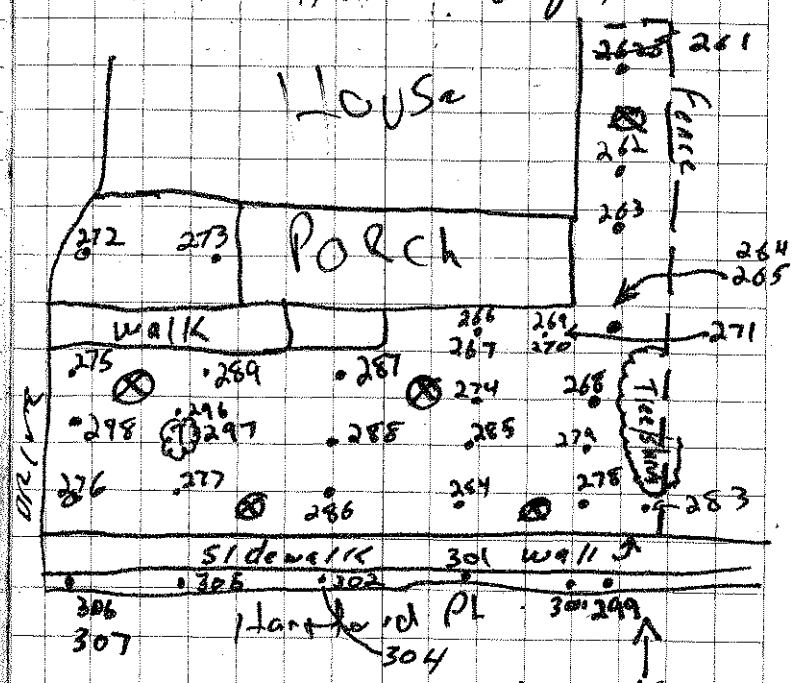
793 Hartford Pl

Confirmation Samples

Reading #	Pb concentration	error
261	262.3	20.9
262	83.4	17.9
263	193.8	23.6
264	~~55~~ 410	122
265	189	22.0
266	409.2	32.4
267	163.4	21.7
268	126.9	19.3
269	400.4	35.6
270	1473	61
271	223.6	26.3
272	30.5	11.0
273	299.0	34.7
274	25.1	15.0
275	33.1	15.1
276	58.1	18.6
277	<LOD	19.5
278	34.4	16.4
279	183.3	24.3
283	293.2	±29
284	84.4	18.6

12/13/6

793 Hartford Pl



Map NOT To Scale

- Points are roughly 6'-8' apart
- Soil is slightly moist from rains last night. Current weather is cloudy and cool.

⊗ Confirmation sample aliquot location

12/13/6

793 Hartford Place

Reading #	Pb conc	Error
285	22.2	11.2
286	53.3	15.7
287	280.6	28.3
288	18.8	11.4
296	511.5	37.6
297	40 ND	15.4
298	118.7	19.2
299	311.9	27.8
300	53.9	14.2
301	175.9	22.0
302	550.2	38.9
304	108.3	18.3
305	76.0	15.9
306	413.4	33
307	63.7	17.3

12/3/6

Photolog

CB = Chuck Berg
BA = Barry Adams

#	Subj	P	O	W
0471	Excavation of 793 Hartford Place	CB	N	BA
0472	"	CB	E	BA
0473	Shrub damaged during excavation	CB	S	BA
0474	Excavation at 793 Hartford showing depth of excavation.	CB	S	BA
0475	Excavated side yard	CB	N	BA
0476	of 793 Hartford			
~~0746~~ 477	Excavated front shrub area of 793 Hartford	CB	W	BA
~~0747~~ 478	Excavated Front yard of 793 Hartford	CB	E	BA
~~0748~~	" " " " "	CB	E	BA
~~0749~~ 479	Shrub area where shrub was damaged during removal	CB	E	BA
~~0750~~ 480	Excavated area between sidewalk and street at 793 Hartford.	CB	W	BA
481 ~~0751~~	Backfill @ 793 Hartford	CB	N	BA
~~0752~~ 482	Backfill @ 793 Hartford	CB	N	BA

12/13/06

1205 (cont) from SE corner of yard without stripping the root ball. The bush was damaged and destroyed trying to dislodge it from the rootball of a nearby tree.

1230 Weather has changed for the better. Currently sunny, clear, and warm → 65°F.

1315 Truck offsite.

1415 Truck returns w/ backfill. Resume excavating last 100ft of yard.

Cal check on XRF w/NIST Pb = 867.2 ± 39.5 Reading 295

** LATE ENTRY **

1345 Collected ESB-793 Hartford-SB6F Homogenized 5-pt. Composite. Checked w/ XRF 86-193 #294

1500 Excavation @ 793 Hartford complete. CMC is cutting down a slope in the SW corner of the yard.

START taking precision samples with the XRF

12/13/6

Run #	Value Pb	Error +/-
308	1171	49
309	1098	48
310	1168	49
311	1117	48
312	1168	49
313	1149	49
314	INVALID - OP. ERROR	

NIST 2711 standard used. Actual value is unknown.

315	1156	49

1530 All above readings invalid. Analyzed in Alloy mode. Reset to bulk mode

316	931.9	41.5
317	932.4	41.4
318	935.1	41.4
319	909.7	40.8
320	906.6	40.8
321	882.6	40.3
322	889.0	40.4

- All are within +/- 10% precision check OK.
- CMC on break. Waiting for another load of backfill.

12/13/06

1600 CMC resumes backfill
Have brought several loads
to 791 Hartford, and
are now spreading @
793 Hartford.

1725 CMC closing up for the
night.
Byron Cross will come
in to replace me tomorrow.
B. Adams has equipment.

CB

12/14/06

0730 START Cross on site along w/CMC
workers mobilized equipment
to 793 Hartford to begin laying sod
in backyard of property. Continue
to backfill front of yard w/topsoil.
Top soil stock piled @ 791 Hartford.
Temp 54°

0915 Break
CMC continues to backfill eastside
and front yard of property
located @ 793 Hartford.

EPA contract on site.
3/4 of backyard complete w/sod.

1130 CMC lunch

1230 CMC crew continues to lay sod
@ 793 Hartford.
Cross take photos of work.
Temp 62°

1230 CMC replaced flower pots and brick
work around flower beds in the
front yard of property located @ 793
Hartford.

1345 Sod complete in backyard @ 793 Hartford

BC

48

12/14/06

Pic# - Photo#	
50 - 0483.JPG	791 Hartford looking North (Backyd)
51 - 0484	793 Hartford " South (Backyd)
52 - 0485	793 Hartford " S.W. (Backyd.)
53 - 0486	791 Hartford " South (Backyd.)
54 - 0487	793 Hartford East Side of property
55 - 0488	793 Hartford looking North (Backyard
"	Sod complete)
56 - 0489	East 793 Hartford front yard plants/brickwk
57 - 0490	East 793 " " " plants/Brick Work
58 - 0491	793 " Trees/Brick work front yd
59 - 0492	793 Hartford front yard plants/Brick work

410 CMC Begin to sod remainder of Back yard of property located @ 791 Hartford.

415 Crew completed replacing flower bed brick and replacing flowers in front yard of 793 Hartford.

Work continues throughout shift w/no incidents.

1700 Off site

791 + 793 Hartford 12/15/06

0700 start young on site w/cmc
Temp 49°F. Very foggy. No wind.
CMC ready to backfill + lay sod.
Equip ready to go. 2 dump trucks, 1 skid steer + loader, lots of sod pallets.
Properties scheduled today:
791 Hartford pl. Backfill + Seed
793 Hartford pl. Backfill + Sod.
1114 spoke to OSC Bass and got copies of map + analytical spreadsheets.
Start young offsite to ATS to deliver samples. CMC continuing backfill + sod laying at 793 + 791 Hartford.
Work proceeding with no problems.
End note: Sod complete on 793 Hartford and 791 Hartford. Roller will be used tomorrow to press the sod, and it will be watered.

P. Young 12/15/06

787 Hartford
707 ERIN
717 ERIN

12/15/06

0700 start young on site w/cmc.
Equip. maintenance performed and prep to move equip to a new holding location at warner street. Need to check photo of 717 Erin to determine state of driveway before excavation. Three driveways will be poured Tuesday - 787 Hartford and 707 ERIN and 717 Erin if necessary.
1030 CMC Relocated to new site + begins cleanup. Trees trimmed + debris cleared off lot to make room for equip. Old staging area is cleaned.
1130 CMC + start young offsite

P. Young 12/15/06

787 Hartford — 12/18/06 PG ~~12/7/06~~

0700 Start young on site w/ CMC. Health + Safety briefing conducted. all Equip staged on Warner lot. 2 dump trucks, front end loader, track hoe, skid steer, roller, trucks + trailer. Today ~~concrete will~~ PG to prep will be done to pour concrete tomorrow at 787 Hartford 717 Erin and 707 Erin. Old concrete that's broken will be removed + ground smoothed. Pictures located for ~~717~~ 717 Erin. Driveway was broken before work began according to photos. CMC will put in fresh gravel and level/grade it. Photos 20/HOYA developed 11/17/2006 — PG

1130 Lunch Break — PG

1:00 work resumes on Drive @ 787 Hartford.

P. Young 12-18-06

790 Hartford — 12/18/06 PG ~~12/17/06~~

0930 Start young calibrates XRF cal Detect # 0326

Reading	standard	Reading (ppm)
~~0325~~ 0327	low	15.9 ± 9.0
0329	med	1146 ± 49

Samples to be taken of 790 Hartford for confirmation. Sample # front + Back.

ESB-790 Hartford-SB6-F

ESB-790 Hartford-SB6-B

Five point composite soil samples.

Reading #	Reading (ppm)	
0330	31.8 ± 14.3	Back yard
0331	Below LOD	
0332	26.3 ± 14.7	
0333	50.7 ± 16.0	
0334	28.7 ± 12.4	PG
0335	41.1 ± 11.5	Sample — PG

Temp 70°, Humid + Sunny — PG

Reading #	Reading (ppm)	
0336	78.9 ± 17.3	front yard
0337	46.4 ± 15.9	
0338	218.3 ± 27.8	
0339	60.0 ± 16.8	
0340	243.9 ± 29.2	
0341	211.7 ± 26.1	
0342	200.4 ± 28.8	PG

51

790 Hartford

12/18/06 ~~12/17/06~~ PY

Reading #	Reading (ppm)
0343	108.2 ± 18.7
0344	112.9 ± 16.4 Sample

- Temp 74°F and sunny

PY

Photos taken of work being ~~done~~ done on sod at 793 Hartford + 791 Hartford. Roller and watering.

PY

Photos taken of 787 Hartford Driveway excavation

PY

Photos taken of 717 Erin Driveway grading.

PY

1700 CMC Begins transporting equip back to staging area

1730 CMC + Start young off site

P young 12-18-06

12/19/06

0700 Start young onsite w/ CMC at staging area. H+S Briefing conducted. Today work plan is to finish up odds and ends before Demobilizing for Holiday. Concrete will be poured at 717 Erin and ~~703~~ 707 Erin after excavation this morning. Front end loader, backhoe and dumptrucks in use.

Start young goes through neighborhood matching photolog pictures to addresses with help of CMC personnel who have been on the site since the job began.

1000 Sampling at 717 Erin. ESB 717 ERIN SB6F

Start young calibrates XRF

Cal Detect #0345

Reading #	Standard	Reading (ppm)
0346	low	16.9 ± 9.5
0347	med	206 ± 50

composite 5 point Soil Sample taken at 717 Erin.

Reading #	Reading (ppm)	Reading #	Reading (ppm)
0348	Below LOD	0352	20.0 ± 9.0
0349	25.3 ± 10.1		
0350	18.7 ± 9.4		
0351	43.3 ± 11.9		

PY

787 Hartford 12/19/06

1200 contractors arrive to pour concrete at 787 Hartford. Two runners and a short driveway, and sidewalk section are being poured.

1300 Sample collected at 1239 allene. 5 point composite soil sample Sample ID# ESB-1239 allene-SB6-F

Reading #	Reading (PPM)
0353	21.8 ± 12.1
0354	Below LOD
0355	Below LOD
0356	36.3 ± 13.7
0357	34.2 ± 15.7
0358	34.8 ± 11.9 Sample

1330 Sample collected at 1272 allene Sample ID# ESB-1272 Allene-SB6F Five point composite soil sample.

Reading #	Reading (PPM)	Reading #	Reading PPM
0359	181.0 ± 25.5	0364	95.9 ± 16.9
0360	92.3 ± 22.2		(Sample)
0361	186.6 ± 22.2		
0362	122.3 ± 19.0		
0363	~~23.~~ 23.2 ± 13.2		
0364	Below LOD		
0365	87.1 ± 11.6		

P Young 12/19/06

1272 allene 12/19/06

Sample collected at 1272 allene

1400 Sample ID# ESB 1272 allene-SB6B

Reading #	Reading (PPM)
0367	Below LOD
0368	+ 29.2 ± 13.0
0369	Below LOD
0370	22.3 ± 12.5
0371	28.2 ± 15.2
0372	Below LOD
0373	Below LOD

1430 Sample collected at 1276 allene. 5 point composite. Sample ID# ESB-1276 allene-SB6-F

Reading #	Reading (PPM)
0374	34.8 ± 11.2
0375	28.6 ± 13.0
0376	Below LOD
0377	124.5 ± 22.0
0378	36.9 ± 15.7
0379	47.0 ± 12.4 Sample

1500 Sample collected at 1276 allene 5 point composite Sample ID# ESB-1276 allene-SB6-B (BACK)

1276 allene 12/19/06

1500 Sample ID ESB-1276allene-SB6-B collected.

Reading #	Reading (PPM)
0380	49.1 ± 19.5
0381	180.4 ± 22.6
0382	30.0 ± 10.8
0383	38.9 ± 15.8
0384	26.5 ± 13.7
0385	Below LOD
0386	Below LOD
0387	21.4 ± 12.7
0388	31.2 ± 11.2

sample

1530 crew is still waiting on concrete to be delivered. Subcontractor has put in forms. See photolog for 787 Hartford, 717 Erin, 707 Erin.

1730 CMC Adams waiting for cement. Rest of CMC crew off site.

1800 cement arrives. Start young off site

P. young 12-19-06

717 Erin
787 Hartford 12/20/06

0700 Start young on site w/ CMC H+S briefing conducted. Cleanup will be completed today at 717 Erin. At 787 Hartford dirt will be laid around the new concrete runners and driveway, and sod will be put in and watered. CMC will demobilize tomorrow and return Jan 3, 2007.

1240 Sample taken at 789 Beechwood front yard. Dog in back - will be put up later today. ESB 789 Beechwood SB3F 5 point composite soil sample

XRF calibrated cal Reflect # 0389

Reading #	Standard	Reading ppm
0390	low	17.2 ± 9.6
0391	Med	1107 ± 45

Reading #	Reading (PPM)	Resident let me in but did not answer door after I took the sample. No access agreement in file. will get one signed today.
0392	174.4 ± 19.9	
0393	22.8 ± 11.2	
0394	126.3 ± 24.0	
0395	87.9 ± 16.9	
0396	69.4 ± 15.4	
0397	145.2 ± 18.4	Sample

P. Young 12-20-06

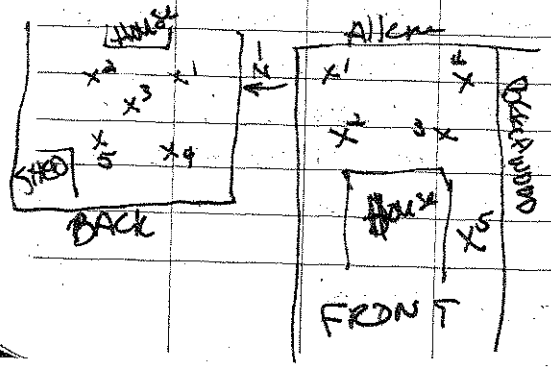
12/20/06

1330 Sample collected at 1299 allene
5 point composite Soil Sample
Sample ID# ESB 1299 Allene SB3 B

Reading #	Reading PPM	
0398	354.6 ± 30.4	Back yard
0399	310.9 ± 26.6	
0400	151.3 ± 25.5	
0401	143.9 ± 18.2	
0402	146.0 ± 21.8	
0403	210.7 ± 21.8	Sample

1400 Sample collected at ~~789~~ 1299 allene
front yard. Sample ID ESB-1299 allene-SB3F

Reading #	Reading (PPM)	
0404	187.8 ± 28.5	
0405	188.4 ± 29.0	
0406	420.4 ± 35.9	
0407	~~4.744 ±~~ 744.2 ± 41.0	
0408	77.2 ± 17.7	
0409	285.4 ± 24.2	Sample



P. young 12-20-06

12/20/06

~~023~~ 1430 Start going to Capitol Coffee to check email + update paperwork until resident returns at 789 Beechwood to put up dogs at 1600. PY

CMC finished laying sod + doing cleanup at ~~789~~ 787 Hartford.
CMC Adams spoke to Frances about the progress of work. A small strip of sod still needs to be laid, but this will be done after CMC Returns in January.

1540 Sample collected at 789 Beechwood
Backyard. 5 point composite Soil
Sample ID# ESB 789 Beechwood SB3B

Reading	Reading (PPM)	
0410	101.3 ± 25.3	
0411	64.6 ± 21.7	
0412	45.8 ± 13.5	
0413	170.0 ± 24.6	
0414	82.2 ± 14.0	Sample

1600 Start young off site

P. young 12-20-06

P. young 12-20-06

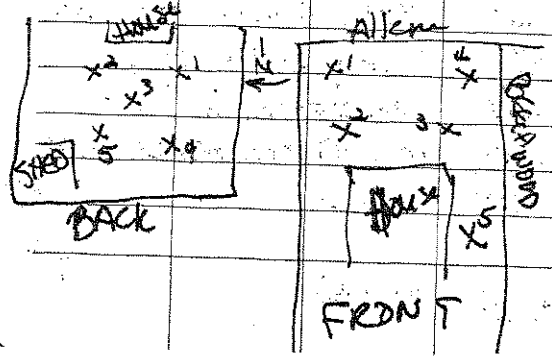
12/20/06

1330 Sample collected at 1299 Allene
5 point composite Soil Sample
Sample ID# ESB 1299 Allene SB3 B

Reading #	Reading PPM	
0398	354.6 ± 30.4	Back yard
0399	310.9 ± 26.6	
0400	151.3 ± 25.5	
0401	143.9 ± 18.2	
0402	146.0 ± 21.8	
0403	210.7 ± 21.8	Sample

1400 Sample collected at ~~789~~ 1299 Allene
front yard. Sample ID ESB-1299 Allene SB3F

Reading #	Reading (PPM)	
0404	187.8 ± 28.5	
0405	188.4 ± 29.0	
0406	420.4 ± 35.9	
0407	~~4.744 ±~~ 744.2 ± 41.0	
0408	77.2 ± 17.7	
0409	285.4 ± 24.2	Sample



P. Young 12-20-06

12/20/06

~~023~~ 1430 Start young to Capitol Coffee to check email + update paperwork until resident returns at 789 Beechwood to put up dogs at 1600. PY

CMC finished laying sod + doing cleanup at ~~789~~ 787 Hartford.
CMC Adams spoke to Frances about the progress of work. A small strip of sod still needs to be laid, but this will be done after CMC Returns in January.

1540 Sample collected at 789 Beechwood Backyard. 5 point composite Soil Sample ID# ESB 789 Beechwood SB3B

Reading	Reading (PPM)	
0410	101.3 ± 25.3	
0411	64.6 ± 21.7	
0412	45.8 ± 13.5	
0413	170.0 ± 24.6	
0414	82.2 ± 14.0	Sample

1600 Start young off site

P. Young 12-20-06

P. Young 12-20-06

12/21/06

0800 Start young at 1299 allene to collect TCLP sample from front and back yard. Sample ID#
ESB - 1299 Allene - 5B3 - F TCLP
ESB - 1299 Allene - 5B3 - B TCLP
0900 Start young Finishes collecting sample. Temp is 49°F. Overcast and Foggy. Rain expected today. Start young off site enroute to office and AES lab. PY

1200 Received call from owner of 735 Erin regarding analytical clearance letter. Also stated fencing around dog pen in back yard was not put back up after excavation.
Eugene Moore 626-379-1669
3579 E. Foothill Blvd # 788
Pasadena CA 91107 PY

Told him that analytical clearance letters will be sent out by EPA in January, and question about pen fence would be addressed with CMC in January.
Eugene Moore's Email: prowess@hotmail.com

P. Young 12-21-06

1280 allene 1/3/07

0800 on site w/ CMC
Start young calibrates XRF
Cal Detect # 0415

Reading # 0416 ± 26.1 ± 10.0 PY

Reading	Standard	Reading PPM
0416	low	26.1 ± 10.0
0418	med	1115 ± 47

Excavation at 1280 allene under way. CMC Adams spoke to homeowner Barbara and told her to move cars in back today and get dog put up. She had said she would do that when CMC ~~adams~~ Adam spoke to her in December.
Temp on site at 0800 was 35°F. CMC Equip - skid steer, 2 dumptrucks, front end loader. Equip stored at lot on Warner st.

P. Young 12-21-06

12/21/06

0800 Start young at 1299 allene to collect TCLP sample from front and back yard. Sample ID#
ESB - 1299 Allene - SB3 - F TCLP
ESB - 1299 Allene - SB3 - B TCLP
0900 Start young finishes collecting sample. Temp is 49°F. Overcast and foggy. Rain expected today. Start young off site enroute to office and RES lab. PY

1200 Received call from owner of 735 Erin regarding analytical clearance letter. Also stated fencing around dog pen in back yard was not put back up after excavation.
Eugene Moore 626-379-1669
3579 E. Foothill Blvd # 788
Pasadena CA 91107 PY
Told him that analytical clearance letters will be sent out by EPA in January, and question about pen fence would be addressed with CMC in January.
Eugene Moore's Email: prowess@hotmail.com

P. Young 12-21-06

1280 allene 1/3/07

0800 on site w/ CMC
Start young calibrates XRF
Cal Detect # 0415

Reading # 0416 ± 26.1 ± 10.0 PY

Reading	Standard	Reading ppm
0416	low	26.1 ± 10.0
0418	med	1115 ± 47

excavation at 1280 allene under way. CMC adams spoke to homeowner Barbara and told her to move cars in back today and get dog put up. She had said she would do that when CMC ~~adams~~ adam spoke to her in December.
Temp on site at 0800 was 35°F. CMC Equip - skid steer, 2 dump trucks, front end loader. Equip stored at lot on Warner st.

P. Young 12-21-06

Front 1280 allene Photolog 1/3/07

#	subject	Date	Dir	Photographer
77	excavation of front	1/3/07	S	py
78	NE corner of yard	1/3/07	SE	py
79	Sidewalk Cracks	1/3/07	S	py
80	" "	1/3/07	S	py
81	Front pre excavation	1/3/07	NE	py
82	damaged porch	1/3/07	E	py
83	damaged sidewalk	1/3/07	NE	py
84	" "	1/3/07	N	py
85	excavation complete		NE	py
86	" "		SE	py

py

1230 Backfill begins

87	Backfill	1/3/07	E	py
88				

Pyburn 1-3-07

1299 allene

Front 1280 allene 1/3/07

1225 Excavation complete Confirmation Sample collection. Sample ID# ESB 1280 allene SB6F (*)

1230 Backfill begins @ 1280 allene front yard.

DSC Brooke Baco looked over the analytical results of ~~19~~ 1299 allene. Since the high readings came back in an unused side yard drip line area the property will not be excavated. The composite taken 12/20/06 gave analytical results was below the recommended lead levels.

* XRF Sample of 5rd composite for ~~1299~~ 1280 allene

Reading #	Reading (ppm)
444	39.2 ± 11.7

1315 fence at 735 Erin will be re-assembled by end of month. Tenants said they didn't want it back up when CMC talked to them during excavation. Owner wants it up so it will be taken care of

py

D. Pyburn 1-3-07 py

Front 1280 allene Photolog 1/3/07

#	Subject	Date	Dir	Photographer
77	excavation of front	1/3/07	S	PY
78	NE corner of yard	1/3/07	SE	PY
79	Sidewalk Cracks	1/3/07	S	PY
80	" "	1/3/07	S	PY
81	Front pre excavation	1/3/07	NE	PY
82	damaged porch	1/3/07	E	PY
83	damaged sidewalk	1/3/07	NE	PY
84	" "	1/3/07	N	PY
85	excavation complete		NE	PY
86	" "		SE	PY

PY

1230 Backfill begins

87	Backfill	1/3/07	E	PY
88				

PY

PY 1-3-07

1299 allene

Front 1280 allene 1/3/07

1225 Excavation complete. Confirmation Sample collection. Sample ID# ESB 1280 allene SB6F (*)

1230 Backfill begins @ 1280 allene front yard.

OSC Brooke Bass looked over the analytical results of ~~19~~ 1299 allene. Since the high readings came back in an unused side yard drip line area the property will not be excavated. The composite taken 12/20/06 gave analytical results were below the recommended lead levels.

(*) XRF Sample of Grid composite for ~~1299~~ 1280 allene.

Reading #	Reading (ppm)
444	39.2 ± 11.7

1315 fence at 735 Erin will be re-assembled by end of month. Tenants said they didn't want it back up when OMC talked to them during excavation. Owner wants it up so it will be taken care of

PY

D. Young 1-3-07 PY

1280 allene 1/3/07

1426 grass strip is excavated.
owner has still not moved cars
North side of house must be hand dug.
1500 1280 allene grass strip backfilled
Back yard cannot be excavated
until cars are moved. Resident
wants all bushes in back yard
removed.

Photolog 1280 allene Back yard

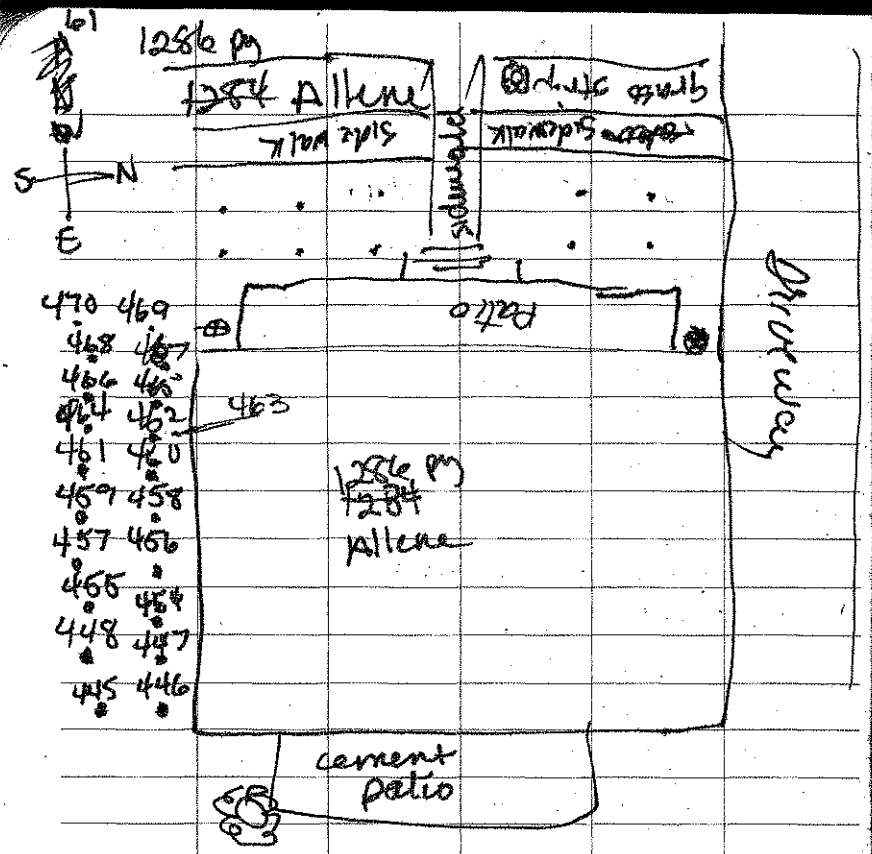
Photo	Subject	Date	Photographer	Dir
1	Damaged crawl spce doors	1/6/07	pg	NW
2	Damaged eaves	1/6/07	pg	NE
3	excavation southside	1/6/07	pg	W
4	Back yard pre excavation	1/6/07	pg	W
5	" " "	"	"	E
6	tire tracks across walkway	1/6/07	pg	E
7	" " "	"	"	"
8	Excavation begins	1/6/07	pg	E

p young 1-3-07

1280 ~~1284~~ Allene 1/3/07

1550 excavation begins at ~~1284~~ 1280 allene
at SE corner of house (side yard)
CMC having difficulty getting
equip into position due to storm
drain and water main location.
CMC adams spoke to homeowner.
She said she didnt care what
bushes were removed. CMC Adams
said ~~to~~ he would not remove any
if it could be avoided.
1700 CMC begins staging equip for
return to lot at Warner St.
1730 CMC + Start young off site.

p young 1-3-07



legend:
Brush O
Tree
Remove Brush

P. young 1-4-07

Rear

1286 PM 1284 allene 1/4/07

0700 Start young onsite w/CMC. 53°F overcast 30% chance of rain. will continue to dig 1284 PM allene. Loader, skidsteer, 2 dumptrucks 1286 on site at warner lot being shuttled to residence.

Start young calibrates XRF

Reading #	standard	reading (ppm)
451	low	20.5 ± 9.7
452	med	932.2 ± 41.5
453	Med	1094 ± 47

calibration of detector:
Cat detect #449

0800 ~~Begin~~ Begin excavation 1286 PM 1284 allene, side yard. Cars at 1280 back yard have been removed. CMC will finish 1284 before they do 1280.

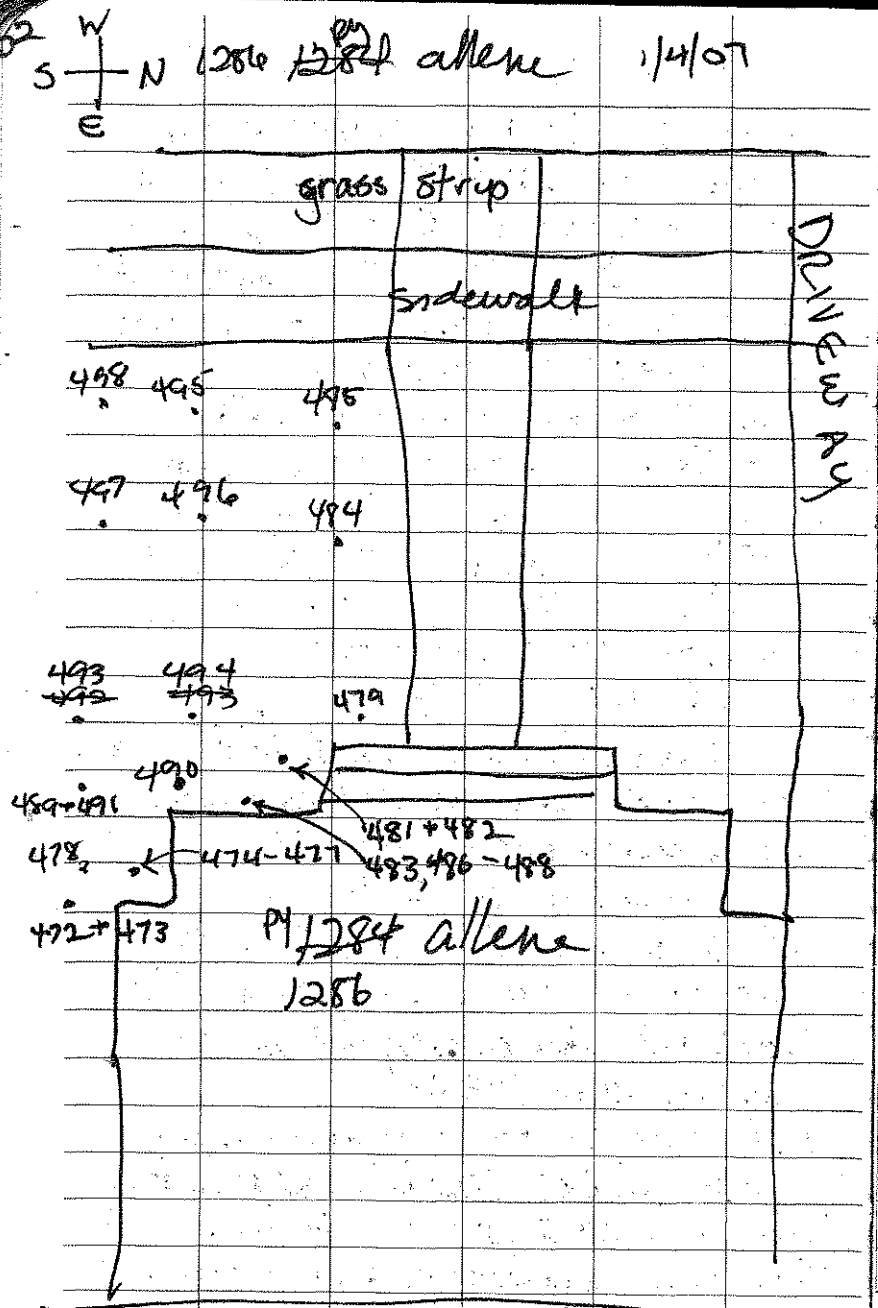
0930 spoke to resident. wants 2 bushes removed (see map). CMC adams said Front only will be excavated at this property. *See end note

1344 water cut off to repair copper pipe kinked during excavation.

Only South side of yard is being dug. North side will be finished at a later date.

P. young 1-4-07

62



P. young 1-4-07

1286 on ~~1284~~ Allene 1/4/07

Reading#	Reading ppm	
472	373.0 ± 29.2	re-dig see #473
473	215.1 ± 24.9	reding same spot

reading 472-476 all high. Continued to re-dig same spot until readings were within acceptable limits

474	671.0 ± 43.8	re-dug - see #477
475	494.1 ± 33.2	
476	196.4 ± 21.0	
477	117.0 ± 18.1	
478	273.7 ± 25.7	
479	446.8 ± 31.5	redig
480	257.7 ± 25.4	redug see #479
481	1691 ± 61	redig
482	115.0 ± 18.3	redug see #481
483	978.4 ± 47.1	high - not excavated when reading was taken - ~~re-dig~~
		Shrubs had to be taken out here
484	133.3 ± 18.6	
485	82.7 ± 15.2	
486	586.1 ± 29.8	Same area re-dug until clean - See #488
487	528.8 ± 33.5	
488	49.5 ± 13.0	

P. young 1-4-07

1580 ~~1284~~ 1286 allene 1/4/07

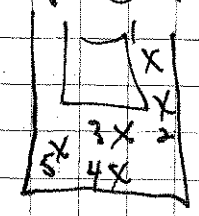
Reading #	Reading (PPM)	
489	413.4 ± 29.6	re-dug - see #491
490	42.9 ± 12.6	
491	104.0 ± 17.0	
~~492~~	error - rechecked same spot	
493	84.4 ± 14.9	
494	68.4 ± 15.0	
495	48.1 ± 13.2	
496	120.7 ± 17.2	
497	151.6 ± 19.5	
498	18.3 ± 10.2	
499	46.8 ± 12.4	
500	37.4 ± 12.4	

P. Young 1-4-07

1286 ~~1284~~ 1286 allene 1/4/07 ~~1/4/06~~

Bushes removed from front yard due to high Readings

Confirmation sample - 5 pt. soil composite sample



ID# ESB ~~1284~~ 1286 Allene SB6 F

Reading #	Reading ppm
501	18.6 ± 9.8
502	78.5 ± 15.4
504	74.8 ± 14.3
505	65.5 ± 13.4
506	35.2 ± 12.8

Collected at 1400

Sample XRF reading: #507 46.9 ± 13.0

1410 Backfill begins at ~~1284~~ 1286 allene front yard. Progress is hindered by limited access.

1630 Start loading offsite.

P. Young 1-4-07

1280 allene 1/5/07

0700 Start young on site w/ CMC.
Temp 65°F Heavy Rains headed into area today. CMC is planning to dig back yard of 1280 allene if weather permits. Equip staged at Warner lot. H+S Briefing conducted w/mention to avoid slip + trip hazards with muddy footing. Equip gfueled and prepped. Loader, two dump trucks track hoe + skid steer.
0751 Calibrate XRF
cal detect # 508

Reading	Standard	Reading PPM
509	low	2511 ± 10.3
510	med	1129 ± 48

0830 CMC adams decides not to dig due to weather. CMC + Start off site. Start young enroute to home to work on photolog.

Young 1-5-07

1280 allene 1/6/07

0700 Start young + CMC on site at staging area. Readying equip. - 2 dump trucks, skid steer, track hoe + front end loader. Severe rains yesterday. Ground is very wet. H+S Briefing conducted.
0717 calibrate XRF
Cal detect # 511

Reading	Standard	Reading (ppm)
512	low	19.0 ± 9.5
513	med	1139 ± 48

will dig back of 1280 allene today - side section on South. Work will be slow due to wet conditions
1015 Excavation halted - last truck sent to landfill (closes at noon). CMC removing dog pen fencing. Owner says she doesn't want it replaced
Start young takes photos to complete photolog.
1025 2nd truck returns - enough time to dig one more load.
1130 CMC moving Equip to staging area.

65

1/6/07

N →

1280 allene

567 514 517 519 518 521 522 524 523 525 526 568 527 528 569 529 530

532 533 570 581 579+580 578 534 535 571 572 583 582 Shed 536 537 573 585 584 646 347 538 539 575 587 586 548 549 540 541 550 589 588 551 552+553 592 594 555 593 594 591 556 599 600 601 605 557 602 603 604 606 561 609 608 607 564 562

558 559 560

Basketball court

P. young 1-6-07

1280 allene (BACK) 1/6/07

Reading #	Reading ppm:	
0514	671.3 ± 35.6	redug this area (#516)
515	308.5 ± 25.3	" " (517)
516	49.5 ± 12.7	See #514
517	103.6 ± 16.2	See #515
518	34.3 ± 11.3	
519	18.4 ± 10.0	
520	235.4 ± 23.8	redug (see # 522)
521	81.6 ± 15.1	
522	88.0 ± 14.9	See # 520
523	52.6 ± ~~12.4~~ 12.7	
524	48.4 ± 13.0	
525	133.9 ± 17.8	
526	47.6 ± 12.1	
527	17.9 ± 10.2	
528	23.8 ± 10.4	
529	32.4 ± 11.7	
530	52.2 ± 13.3	
532	56.0 ± 12.7	
533	43.4 ± 12.0	
534	Below LOD	
535	17.8 ± 9.5	
536	17.2 ± 9.8	
537	27.4 ± 11.1	

Reading 514-530 taken approx every six feet

P. young 1-6-07

1280 allene 1/6/07

1025 Excavation of back yard continues

Reading #	Reading (ppm)
538	26.7 ± 14.4
539	29.1 ± 11.7
540	30.6 ± 12.3
541	26.0 ± 11.3

11:30 CMC moves Equip to staging area. Berms placed around area that's downhill. Rain expected tomorrow.

1200 CMC offsite Start Young taking pictures.

1230 Start Young off site

P Young 1-6-07

1280 allene Bwk 1/8/07

0700 Start Young on site w/ CMC Temp 48°F. Very humid due to yesterdays heavy rains. CMC Staging Equip at warner St. lot. Dump trucks, Skidsteer front end loader and track hoe. H&S Briefing w/ attention to muddy slip hazards. Dump truck sent to landfill with brush + debris from Saturdays work at 1280 Allene.

0723 Back hoe unloaded at Allene Ave. to begin work at 1280 Allene.

Start Young Calibrates XRF Cal Detect # 542

Reading #	Standard	Reading (ppm)
543	low	16.9 ± 9.5
~~544~~ 545	med	1007 ± 44

Standing water in areas dug yesterday. Water will be siphoned off + area re-checked. North side of house is being hand-dug.

1000 Rechecked area with standing water. No increase in contamination from the runoff. See readings 567-569

P Young 1-8-07

1280 allene 1/8/07

Reading #	Reading (ppm)	
0546	26.4 ± 10.3	
547	21.8 ± 10.0	
548	20.8 ± 9.6	
549	25.6 ± 10.1	
550	239.0 ± 23.5	
551	48.1 ± 12.7	
552	302.3 ± 24.9	re dug this area
553	23.5 ± 11.0	Re dug (See 552)
554	136.5 ± 19.2	
555	150.5 ± 19.0	
556	177.9 ± 22.2	
557	69.9 ± 14.0	
558	158.0 ± 16.7	Spot checked undug
559	209.0 ± 20.4	areas around trees.
560	122.4 ± 16.5	low levels
561	~~173.6 ± 19.7~~	38.5 ± 11.6
562	173.6 ± 19.7	
563	42.8 ± 14.6	
564	295.4 ± 23.9	
565	173.0 ± 19.5	
566	163.4 ± 19.7	
567	137.0 ± 16.7	rechecked area that
568	61.1 ± 13.4	had standing water
569	39.2 ± 11.6	

P. young 1-8-07

1280 allene Back 1/8/07

Reading #	Reading (ppm)	
570	18.3 ± 10.2	
571	94.3 ± 18.2	
572	35.7 ± 11.5	
573	20.8 ± 10.7	
574	22.5 ± 10.9	
575	107.2 ± 17.9	
576	92.2 ± 19.2	
577	171.7 ± 19.6	
578	15.2 ± 10.0	
579	518.9 ± 31.0	re dug this area
580	54.9 ± 13.2	see #579
581	52.3 ± 12.5	
582	31.5 ± 10.8	
583	37.3 ± 12.7	
584	22.5 ± 11.0	
585	53.7 ± 13.6	
586	66.6 ± 42.6	
587	20.7 ± 11.3	
588	Below LOD	
589	20.8 ± 11.0	
590	37.6 ± 11.2	
591	169.9 ± 22.0	
592	19.7 ± 10.6	
593	32.0 ± 11.4	

P. young 1-8-07

794 Hartford
1280 allen back 1/08/07

1230 OSC BASS wants hot areas of 794 Hartford Delineated w/ XRF. Start young will do this while CMC is backfilling 1280 allen. CMC will only dig hot areas of 794 Hartford.

OSC Bass also requested a chart of analytical results to date so she can begin preparing clearance letters for residents.

P young 1-8-07

1280 allen (Back) 1/8/07

1530 last truck left for the dump yard is 3/4 excavated.

Reading #	Reading (ppm)
594	14.7 ± 9.4

1600 excavation ceases for today. CMC putting equip in order and prepping equip for transport to staging area.

1630 CMC moves Equip to Werner St.

1700 Start young off site.

P young 1-8-07

1280 allene 1/9/07

0700 start young onsite w/ cmc at Warner St staging area. 2 Dump trucks, back hoe, skid steer + front end loader. H+S briefing conducted. Temp 35°F Clear.

Todays actions will be to finish excavating rear of 1280 and begin on North side of 1286. Discrepancy in address is due to odd numbering in neighborhood. Numbers progress by 4, but in this case the mailbox number reads six digits higher than its neighbor. Will speak to homeowner today to clarify. Plans are being made to excavate 794 Hartford. DSC Bass wants spot excavation of hot spots there.

Start young calibrates XRF

cal select # 595

Reading #	Standard	Reading PPM
597	low	46.7 ± 9.4
	~~med~~	~~40.0 ± 47~~ PY
598	med	1104 ± 47

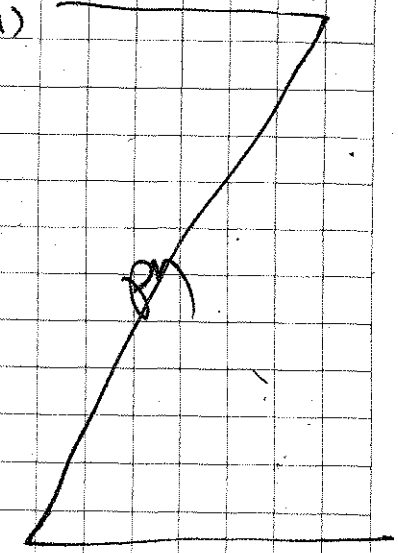
0730 Excavation begins at 1280 allene

PY

P. young 1-9-07

1280 allene 1/9/07

Reading #	Reading (PPM)
599	180.4 ± 49.8
600	32.4 ± 11.0
601	14.4 ± 9.0
602	27.1 ± 10.5
603	18.5 ± 11.1
604	42.0 ± 12.5
605	16.9 ± 9.3
606	25.2 ± 10.4
607	34.3 ± 10.9
608	16.0 ± 9.2
609	Below 100



Excavation complete on 1280 allene.

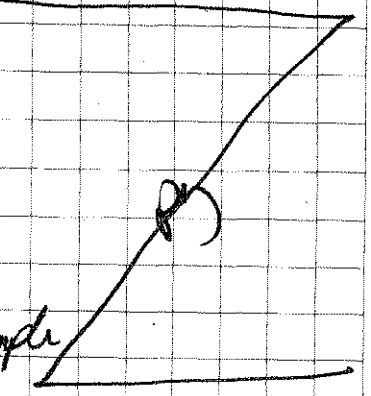
1029 Soil sample taken at 1130

5 point composite sample

Sample ID EB3 1280 allene SB6B

XRF Readings:

Reading #	Reading PPM
0617	46.3 ± 12.0
0618	63.1 ± 14.3
0619	17.1 ± 10.6
0620	117.4 ± 18.7
0621	16.7 ± 10.6
0622	32.3 ± 11.4 Sample



PY

P. young 1/9/07

741 ERIN AVE (BACK) 4/9/07

Soil Sample taken at 1100
5 point composite
741 ERIN AVE ESB 741 ERIN SB6B
XRF Data:

Reading #	Reading ppm
610	78.4 ± 17.8
611	45.9 ± 12.2
612	26.6 ± 10.7
613	Below LOD) shot twice
614	20.2 ± 9.7 to be sure
615	93.3 ± 16.4
616	51.9 ± 12.9 Sample

This completes this log book. Final pages are intentionally blank and/or photo log information from previous excavations. The next log book begins with excavation of North Side of 1286 Allene.

P. Young 1-9-07

P. Young 1-9-07

71

P. Young 1-9-07

Photobox 12/12/06

787 Hartford Pl photo #31 facing NE
Front yard Sod laid

787 Hartford Pl photo #32 facing W.
Back yard sod laid

791 Hartford Pl Photo #33 facing N
Back yard Sod partially laid

791 Hartford Pl Photo #34 facing W
Front yard Excavating

793 Hartford pl Photo #35 facing N
Backyard compacting backfill

793 Hartford Pl Photo #36 facing NE
Front yard Before excavation

791 Hartford excavation complete
Photo #37 Front yard facing NE

791 Hartford excavation complete
Photo #38 front yard facing NW

Photographer - P. Young

Photos taken by Chuck Berry 12/13/06
See info in log pages

P. Young 12/12/06

Photolog 12/18/06 PY ~~12/17/06~~

Photo #	Location	Direction	Photographer
60	787 Hartford	NE	PY
	Digging up broken driveway		
61	787 Hartford	N	PY
	Digging up channel for runners		
62	787 Hartford	E	PY
	digging up broken sidewalk		
63	793 Hartford	NW	PY
	roller over sod in front yard		
64	793 Hartford	NE	PY
	watering sod in back yard		
65	791 Hartford ~~at~~	SE	PY
	roller over sod in back yard		
66	787 Hartford	N	PY
	caution tape + cones		
67	717 Erin	N	PY
	Driveway graveled + graded		
			12/19/06
68	707 Erin	N	PY
	PY ~~Driveway~~ sidewalk excavation		
69	717 Erin	N	PY
	Sidewalk Excavation PY		
70	787 Hartford	N	PY
	forms in place in prep for concrete		

PY

P. Young 12-18-06

Photolog 12/19/06

Photo #	Location	Direction	Photographer
71	717 Erin	N	PY
	forms in place in prep for concrete		
72	707 Erin	N	PY
	forms in place in prep for concrete		
			12/20/06
73	~~con~~ 787 Hartford	N	PY
	concrete in place		
74	787 Hartford	N	PY
	concrete runners in place		
75	717 Erin	N	PY
	concrete repaired on sidewalk		
76	707 Erin	N	PY
	concrete repaired on sidewalk		

P. Young 12/19/06

Photo Log 731 Erin Ave

	Date	Taken By	Direction	Description
1	10/26/06	AW	N	Front of 731 Erin
2			E	Sidewalk of 731 Erin
3			N	Walkway of 731 Erin
4			N	Crack in Driveway
5			SW	Back of 731 Erin
6			NE	Shed in backyard of 731 Erin
7			SW	CMC Contractor clearing/Tinder debris.
8	10/30	AW	SE	Driveway of 713 Erin Ave. Damage during trans
9	10/30	AW	E	"
10	11/4/06	AW	N	Front of 735 Erin Ave
11			N	Driveway of 735 Erin Ave
12			E	Frontyard of 735 Erin A
13			S	Back of "
14			S	Backyard of "
15			E	CMC contractors backfi. backyard of 731 Erin
16				Blank
17				Blank

AW

Returned 12-19-06

787 Hartford Pl 11/13/06

Photo #	Date	Taken By	Direction	Description
18	11/13/06	AW	N	Frontyard of 787 Hart Ford Pl.
	1/13/06	AW	N	Driveway of 787 Hart Ford Pl
	1/13/06	AW	N	Damage to Driveway
	1/13/06	AW	N	Damage to Driveway
	"	"	E	walkway
	"	"	NW	Damage to planter
	"	"	SW	Eastern side of house.
	"	"	S	Back of house
	"	"	S	western side of house

P. Young 11-13-06

P. Young 12-19-06

CONTENTS

PAGE	REFERENCE	DATE

LogBook 6

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
HORIZONTAL LINE BOOK

Name LogBook 6
1-9-07

Address

Phone

Project ESB (EXIDE)
Atlanta, GA

This book is printed on "Rite in the Rain" All-Weather Writing Paper unique paper created to shed water and enhance the written image. It is wi used throughout the world for recording critical field data in all kinds of weat For best results, use a pencil or an all-weather pen.

Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabrikoid Cover
Lined	Lined	Item No. 390N	Item No. 390NF

1/9/07

This logbook is the 6th so far compiled on the ESB Exide lead excavation site. This logbook begins with excavation of 1286 Allene on the north side of the property. Only the front + side of this property need to be excavated. The alley on the north side of the house is being excavated by a track hoe.

Confirmed that this address is 1286. Previous paperwork listed this address as 1284 due to confusing numbering system on this street. Other houses on this street are numbered by 4's - 1272, 1276, 1280. The next house should be 1284, but for some reason known only to the post office its 1286. This was verified with the resident as soon as the error became apparent. Previous samples labeled 1284 Allene or 1284 A2 are actually 1286 Allene.

1-9-07 P. Young

1286 Allene (N side) 1/9/07

1200 excavation begins on North side of ~~1284~~/1286 Allene.
Start young taking XRF Readings
See previous notebook for calibration data earlier this morning.

Reading #	Reading (PPM)
~~0624~~	
0623	133.2 ± 17.6
0624	139.0 ± 18.9

1500 work ceased. CMC doing cleanup + maintenance.
Start young offsite to work on analytical paperwork.

P. Young ~~to~~ 1-9-07

1286 allene
794 Hartford 1/10/07

0700 Start young on site at Warner street staging area with CMC. Fueling vehicles for day. H+S briefing conducted with attention to cold temp stress. Temp 34°F Steps should be clear all week.
Equip on hand – 2 dump trucks, front end loader, skid steer, and track hoe. work plan is to finish digging 1286 allene. DSC Bass requested start young delineate contamination at 794 Hartford so CMC can spot dig it. CMC adams will speak to homeowner today.
0717 Start young calibrates XRF Cal Detector # 0625

Reading #	Standard	Reading PPM
0626	low	15.0 ± 9.3
0627	med	1139 ± 48

CMC adams will try to get dry fill dirt for 1280 allene. Due to heavy rains over the weekend this may not be possible.

P. young 1-10-07

1286 allene Front 1/10/07

Reading #	Reading PPM	
0628	120 ± 15.3	
0629	305.6 ± 25.4	CMC will redig this area
0630	377.1 ± 29.1	
0631	358.6 ± 27.9	
0632	239.2 ± 23.4	
0633	139.2 ± 19.3	see #0630
0634	84.2 ± 16.0	see #0629
0635	119.0 ± 17.5	
0636	62.3 ± 13.8	
0637	42.3 ± 12.5	
0638	43.3 ± 12.0	

North alleyway 1286 allene

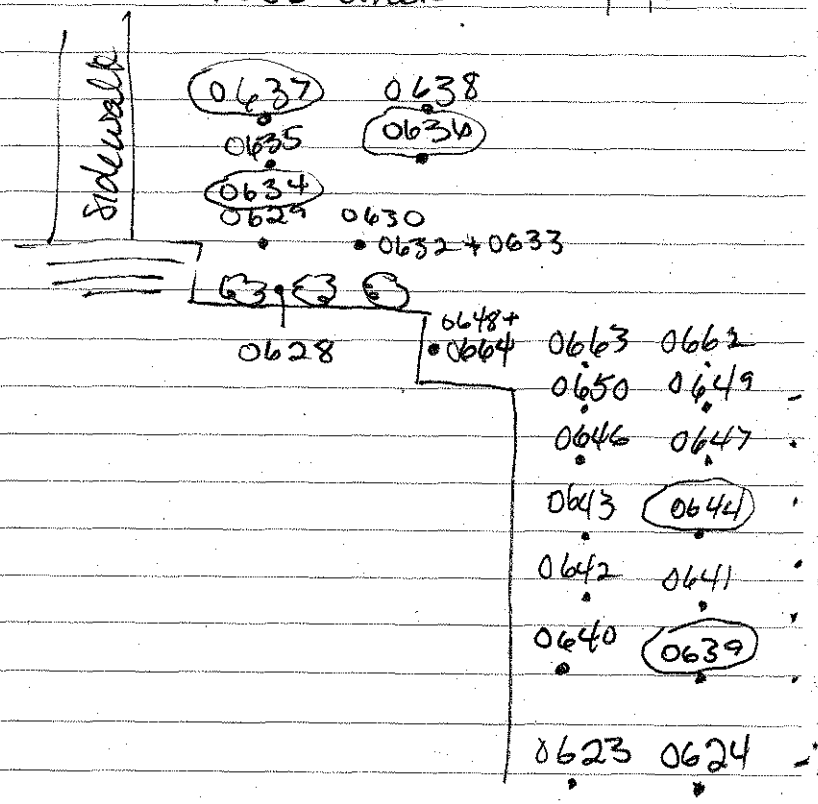
0639	106.4 ± 16.2	
0640	87.0 ± 16.1	
0641	36.0 ± 12.8	
0642	24.8 ± 11.9	
0643	82.2 ± 14.6	
0644	50.9 ± 12.2	
0646	30.7 ± 10.2	
0647	52.0 ± 13.4	
0648	353.2 ± 26.4	pre-excavation. will be dug
0649	53.2 ± 11.8	
0650	24.6 ± 9.5	
0662	~~22.6 ±~~ 21.3 ± 10.5	
0663	22.6 ± 11.3	

P. young 1-10-07

P. young 1-10-07

S 6 +N

1286 allene 1/10/07



Reading # 0648 Re-dug

Reading #	Reading (ppm)	
0664	109.1 ± 17.5	see reading # 0648

P. young 1-10-07

1/10/07

1115 collected sample 1286 allene.
Sample ID # ESB 1286 Allene ~~#~~ SB6F2
From north side of front yard
XRF reading of sample:

Reading #	Reading ppm
0645	38.1 ± 11.7

1315 Dump truck brings 1st load of backfill for 1280 + 1286 allene.
Backfill will be piled in rear of 1280 and transported around by skid steer to front of 1286.
1330 grass strip at ~~the~~ 1286 allene is excavated.

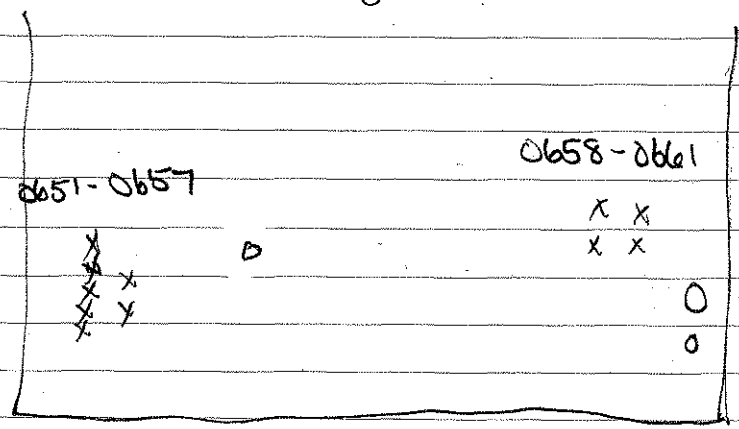
Reading #	Reading (ppm)
0665	53.1 ± 12.7
0666	80.9 ± 15.2
0667	175.9 ± 20.5
0668	144.0 ± 21.4

1500 Backfill begins 1286 allene front
1600 CMC waiting on load of backfill
Start ~~young~~ off site

P-young 1-10-07

794 Hartford 1/10/07

Back yard



1330 accompanied Cmc adams to 794 Hartford. Start Young rechecked areas in back yard that had previously tested high. No readings over 350 ppm were located. Spoke to resident, Marjorie Whatley and told her which areas needed to be excavated. She stated that she did not want the sides of the house excavated, only the flower bed at the rear of the house. Cmc Adams told her he would have the flowerbed hand dug probably on friday.

794 Hartford 1/10/07

Reading #	Reading (ppm)
0651	268.3 ± 23.9
0652	258.1 ± 24.1
0653	203.7 ± 21.3
0654	243.5 ± 22.5
0655	247.4 ± 22.5
0656	226.5 ± 22.9
0657	186.9 ± 21.2
0658	218.7 ± 21.1
0659	217.7 ± 22.3
0660	245.9 ± 22.6
0661	248.1 ± 22.8

P. Young 1-10-07

1/11/07

1000 ~~call~~ Start young called CMC Adams to check in. CMC is trying to get adequate backfill. Soil is too wet to backfill with. Additional screening will be arranged with the vendor. Only backfilling scheduled for today. Start young in Duluth preparing for site report + doing decon on sampling equip.

P young 1-11-07

1280 Allen 1/12/07

0750 Start young on site w/CMC at 1280 Allen. CMC has transported skid steer and track hoe to back of 1280 to continue backfilling and grading. Start young met CMC Adams at 794 Hartford. Small area of flower bed in back yard will be dug by hand. CMC has loader staged to take off dirt.

0800 Start young calibrates XRF
Cal Detect #0669

Reading	Standard	Reading ppm
670	low	16.2 ± 9.4
671	med	1163 ± 49

Reading #	Reading PPM
672	278.7 ± 29.9
673	29.5 ± 11.9
674	113.5 ± 17.4
675	62.8 ± 14.5

Sample collected ESB 794 Hartford SB613 at 1000. collected MPMSD 2nd sample
Sample XRF readings

PY
PY

1280 allene
1286 allene
794 Hartford

1/12/07
~~1/12/06~~ py

Reading #	Reading (ppm)
676	35.8 ± 13.6
677	25.3 ± 12.7
678	26.2 ± 12.3
679	210.5 ± 25.0
680	70.9 ± 15.8
681	87.2 ± 16.6
682	76.0 ± 15.6 Sample

1030 Backfill begins on 794 Hartford. Small garden patch will not take long to fill. No sod will be put here per owners request.

1045 Skid steer having mechanical problems. CMC adams getting mechanic on site after lunch.

1100 Spoke to homeowner at 1286 allene. She wanted to be sure that the backyard wasn't contaminated. Start young showed her the analytical results and explained the screening + composite process. She was satisfied with the explanation.

1115 Crew moving back to 1280 allene and 1286 allene to finish backfill and prepare for sod.

py

1/12/07
~~1/12/06~~ py

1286 allene
1280 allene

1300 Backfill begins at 1286 allene

1530 Trucks arrive with more backfill for 1280 allene back yard. Skid steer still not repaired.

1630 CMC moves equip to staging area. Skid steer mechanic never showed.

1730 Start young + CMC off site.

P. young 1-12-07

1/13/07

1280 allene 1/13/06 PS

0745 Start young on site with CMC. AHS briefing conducted. Loader sent to 1280 allene with sod for front yard. Fertilizer being brought from staging area to 1280 allene. CMC adams trying to reach cat dealer to get parts to repair skid steer, but no one is answering the phone. PS

0900 Sod being laid at 1280 + 1286 allene.

1000 skid steer repaired. Moved to 1280 allene to complete backfill.

1230 work continues on back of 1280 allene. Sod is all laid except for small section of south side of 1286 that needs more fill dirt. PS

1530 1286 allene almost completely backfilled.

1630 Back fill complete 1280 allene + 1286 allene. Sod will be laid Monday

End note: 2nd dumptruck out of service due to broken tail light plug. Only one truck in use this afternoon

1630 Start young off site PS

P. young 1-13-07

1/15/07

0800 start young checks in w/CMC Adams. CMC laying sod at 1280 and 1286 allene today. Start young will travel to site later today to take photos.

1500 Start young onsite w/CMC. 1286 complete. Sod laid. 1280 sod 3/4 complete. Will finish on wednesday. Tuesday CMC will decon equip.

Crew replacing gate at 1280 so ~~reg~~ residents can bring dog back home.

1600 Start young off site

P. young 1.15.07

1/16/07

1530 Start young on site.
CMC spent day decontaminating equipment. Skid Steer and track hoe were picked up today.
Last part of sod will be laid tomorrow.
1600 Start young off site

1

P. young
1-16-07

1

1/17/07

1400 Start young on site w/CMC
sod completed at 1280 allene.
all properties are finished.
1500 Start young off site

End note: CMC will demobilize from site with remaining vehicles tomorrow, 1-18-07.

P. young 1-17-07

Last page of logbook 1-17-07

P. Young
1-17-07

APPENDIX D

PHOTOGRAPHIC LOG

(31 Pages)

OFFICIAL PHOTOGRAPH NO. 1
U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	South	**Date**	June 6, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA
Subject:	Front yard of 786 Hartford Place prior to excavation		

OFFICIAL PHOTOGRAPH NO. 2
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	June, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA
Subject:	Back yard of 786 Hartford Place; contractor used straight-edged bucket during soil excavation to minimize recontamination		

OFFICIAL PHOTOGRAPH NO. 3
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Northeast	**Date:**	July, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Back yard excavation of 786 Hartford Place; soil stockpile with high lead concentration awaits Toxicity Characteristic Leaching Procedure (TCLP) characterization and removal to hazardous waste landfill

OFFICIAL PHOTOGRAPH NO. 4
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Soil surface	**Date:**	June, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Back yard of 786 Hartford Place; black areas of soil contained lead at concentrations exceeding removal action level (RAL); soil was taken to hazardous waste landfill for disposal

OFFICIAL PHOTOGRAPH NO. 5
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	July, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: At back yard of 786 Hartford Place, contractor putting backfill in place using track hoe and grading yard with skid steer

OFFICIAL PHOTOGRAPH NO. 6
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	East	**Date:**	July, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA
Subject:	Replaced driveway and sidewalk at 786 Hartford Place		

OFFICIAL PHOTOGRAPH NO. 7
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	South	**Date:**	July, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Excavation complete; contractor has finished backfilling front yard of 786 Hartford Place; sod is ready to be installed

OFFICIAL PHOTOGRAPH NO. 8
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	South	**Date:**	July, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA
Subject:	Front yard of 786 Hartford Place, with excavation complete and sod in place		

OFFICIAL PHOTOGRAPH NO. 9
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	June 15, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Back yard of 790 Hartford Place; excavated area shows paint used to mark X-ray fluorescence (XRF) reading locations; dust mitigated by moistening soil with water; hard hats used during excavation, and booties worn to prevent tracking of contaminated soil out of excavation area

OFFICIAL PHOTOGRAPH NO. 10
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	July 12, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA
Subject:	Front yard of 1243 Allene Avenue prior to excavation		

OFFICIAL PHOTOGRAPH NO. 11
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	West	**Date:**	July 28, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA
Subject:	Sod in place at front yard of 1243 Allene Avenue after excavation complete		

OFFICIAL PHOTOGRAPH NO. 12
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	East	**Date:**	July, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: At back yard of 1263 Allene Avenue, contractor transferring soil to loader during excavation; loader then transfers soil into dump truck staged nearby

OFFICIAL PHOTOGRAPH NO. 13
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	West	**Date:**	July 25, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Contractor excavating soil and removing debris at back yard of 1283 Allene Avenue; silt fences were placed at back property line to prevent runoff; an alleyway behind this group of properties on Allene Avenue also excavated

OFFICIAL PHOTOGRAPH NO. 14
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	East	**Date:**	July 25, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Back yard of 1283 Allene Avenue; during excavation of side yard, markers were placed to protect clean-outs and other structural features

OFFICIAL PHOTOGRAPH NO. 15
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	September, 2006
Photographer:	Andreager White, Tetra Tech	**Witness:**	Rick Jardine, EPA

Subject: Back yards on Erin Avenue were extremely overgrown; yards of several properties excavated sequentially before being backfilled; at 703 Erin Avenue, large trees had to be removed

OFFICIAL PHOTOGRAPH NO. 16
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Down	**Date:**	January 9, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Back yard of 741 Erin Avenue; sometimes post-excavation soil confirmation sample was collected after sod already was placed; photograph shows clear distinction between brown fill layer and excavation level at surface of dark red clay

OFFICIAL PHOTOGRAPH NO. 17
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	December 20, 2006
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Broken driveway at 787 Hartford Place was replaced; contractor is grading backfill and preparing to lay sod around concrete runners

OFFICIAL PHOTOGRAPH NO. 18
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	December 12, 2006
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Front yard of 793 Hartford Place prior to excavation		

OFFICIAL PHOTOGRAPH NO. 19
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Northeast	**Date:**	December 13, 2006
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Contractor excavating around a small tree at front yard of 793 Hartford Place; contractor is transferring soil into loader just out photograph range to the right; areas already cleared through XRF screening noted with marking paint

OFFICIAL PHOTOGRAPH NO. 20
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	December 14, 2006
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Complete excavation at back yard of 793 Hartford Place; property has been restored with sod in place		

OFFICIAL PHOTOGRAPH NO. 21
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	December 14, 2006
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Excavation complete at front yard of 793 Hartford Place; property is being restored. Backfill is in place, shrubs are planted and yard is ready for sod.

OFFICIAL PHOTOGRAPH NO. 22
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	January 13, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Excavation complete at front yard of 793 Hartford Place; property has been restored with sod in place		

OFFICIAL PHOTOGRAPH NO. 23
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	East	**Date:**	January 3, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Front yard of 1280 Allene Avenue prior to excavation		

OFFICIAL PHOTOGRAPH NO. 24
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	January 6, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Back yard of 1280 Allene Avenue prior to excavation		

OFFICIAL PHOTOGRAPH NO. 25
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	West	**Date:**	January 9, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Contractor completed excavation at back yard of 1280 Allene Avenue		

OFFICIAL PHOTOGRAPH NO. 26
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	North	**Date:**	January 13, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Front yard of 1280 Allene Avenue. Restoration is complete, and sod is in place.		

OFFICIAL PHOTOGRAPH NO. 27
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	**West**	**Date:**	January 17, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Back yard of 1280 Allene Avenue. Restoration is complete, and sod is in place.

OFFICIAL PHOTOGRAPH NO. 28
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	East	**Date:**	January 3, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Front yard of 1286 Allene Avenue prior to excavation		

OFFICIAL PHOTOGRAPH NO. 29
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Northeast	**Date:**	January 10, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Back fill in place at front yard of 1286 Allene Avenue to the south (right); to the north (left), yard has been excavated and is ready to be backfilled. The natural clay soil is dark red, and the backfill material is light gray-brown.

OFFICIAL PHOTOGRAPH NO. 30
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Down	**Date:**	January 10, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA
Subject:	Front yard of 1286 Allene Avenue, where sample was collected using dedicated stainless-steel equipment, gloves, and an 8-ounce glass jar		

OFFICIAL PHOTOGRAPH NO. 31
U.S. ENVIRONMENTAL PROTECTION AGENCY

TDD Number:	TTEMI-05-001-0002	**Location:**	ESB (Exide) Fund Lead
Orientation:	Southeast	**Date:**	January 15, 2007
Photographer:	Penelope Young, Tetra Tech	**Witness:**	Brook Bass, EPA

Subject: Front yard of 1286 Allene Avenue. Property is restored and sod is in place.

APPENDIX E

LABORATORY DATA VALIDATION REPORTS

(Submitted under separate cover)

APPENDIX F

TABLE OF WITNESSES

(One Page)

APPENDIX F
TABLE OF WITNESSES
ESB (EXIDE) FUND LEAD
ATLANTA, FULTON COUNTY, GEORGIA

Brook Bass
On-Scene Coordinator (OSC)
U.S. Environmental Protection Agency
61 Forsyth Street, SW
11th Floor
Atlanta, GA 30303
Telephone Number (No.) (404) 562-8770

Bob Rosen
OSC
U.S. Environmental Protection Agency
61 Forsyth Street, SW
11th Floor
Atlanta, GA 30303
Telephone No. (404) 562-8761

Richard Jardine
OSC
U.S. Environmental Protection Agency
61 Forsyth Street, SW, 11th Floor
Atlanta, GA 30303
Telephone No. (404) 562-8764

Sherryl Carbonaro
Community Involvement Coordinator
U.S. Environmental Protection Agency
61 Forsyth Street, SW, 11th Floor
Atlanta, GA 30303
Telephone No.: (404) 562-8611

Rick Hollingsworth
Project Manager
Emergency and Rapid Response Service
CMC, Inc.
1151 Jessamine Station Rd.
Nicholasville, KY 40356
Telephone No.: (859) 333-3644

Barry Adams
Project Manager
Emergency and Rapid Response Service
CMC, Inc.
1151 Jessamine Station Rd.
Nicholasville, KY 40356
Telephone No. (859) 509-07047

Yuen Chang (Didi) Fung
Deputy Program Manager
Superfund Technical Assessment and Response Team (START)
Tetra Tech EM Inc.
1955 Evergreen Blvd.
Building 200, Suite 300
Duluth, GA 30096
Telephone No.: (678) 775-3095

Charles Berry
Readiness Coordinator
START
Tetra Tech
1955 Evergreen Blvd.
Building 200, Suite 300
Duluth, GA 30096
Telephone No.: (678) 775-3098

Andreager White
Environmental Scientist
START
Tetra Tech
1955 Evergreen Blvd.
Building 200, Suite 300
Duluth, GA 30096
Telephone No.: (678) 775-3080

Byron Cross
Environmental Scientist
START
Tetra Tech
101 Marietta Street, NW Suite 2400
Atlanta, GA 30303
Telephone No.: (404) 714-9309

Penelope Young
Environmental Scientist
START
Tetra Tech
1955 Evergreen Blvd.
Building 200, Suite 300
Duluth, GA 30096
Telephone No.: (678) 775-3093

ATTACHMENT 1

LABORATORY DATA PACKAGES AND SAMPLE CHAIN-OF-CUSTODY FORMS

(26 Sheets and 1 Compact Disc, submitted under separate cover)