

above ground storage tank
air quality
asbestos/lead-based paint
baseline environmental assessment
brownfield redevelopment
building/infrastructure restoration
caisson/piles
coatings
concrete
construction materials services
corrosion
dewatering
drilling
due care analysis
earth retention system
environmental compliance
environmental site assessment
facility asset management
failure analyses
forensic engineering
foundation engineering
geodynamic/vibration
geophysical survey
geosynthetic
greyfield redevelopment
ground modification
hydrogeologic evaluation
industrial hygiene
indoor air quality/mold
instrumentation
masonry/stone
metals
nondestructive testing
pavement evaluation/design
property condition assessment
regulatory compliance
remediation
risk assessment
roof system management
sealants/waterproofing
settlement analysis
slope stability
storm water management
structural steel/welding
underground storage tank

**BASELINE ENVIRONMENTAL
ASSESSMENT
CONDUCTED PURSUANT TO SECTION
20126(1)(c)
OF 1994 PA 451, PART 201, AS AMENDED,
AND THE RULES PROMULGATED
THEREUNDER**

**626-724 NORTH MAIN STREET
ANN ARBOR, WASHTENAW COUNTY,
MICHIGAN**

PREPARED FOR:

NEAR NORTH LDHA LP
603 WEST HURON STREET
ANN ARBOR, MI 48103

PREPARED BY:

SOIL AND MATERIALS ENGINEERS, INC.
43980 PLYMOUTH OAKS BOULEVARD
PLYMOUTH, MICHIGAN 49170

SME Project Number: PE60262D-03

MARCH 31, 2010



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Soil and Materials Engineers, Inc.

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ATTACHMENTS:

- Attachment A: Figures
- Attachment B: SME's January 12, 2010, Phase I ESA
- Attachment C: Soil Boring Logs
- Attachment D: Laboratory Analytical Results Tables
- Attachment E: Laboratory Analytical Reports and Chain-of-Custody Documentation

1. IDENTIFICATION OF AUTHOR AND DATE BEA WAS CONDUCTED AND DATE BEA WAS COMPLETED

This Baseline Environmental Assessment (BEA) report was prepared pursuant to Section 20126 of Part 201 of the Natural Resources and Environmental Protection Act (NREPA), Public Act (P.A.) 451 of 1994, as amended. This report is intended to meet the requirements of a Category "N" BEA and was prepared according to Part 9 of the Administrative Rules for Part 201, Baseline Environmental Assessments, dated December 21, 2002. The BEA was prepared by Mr. Jamie P. Buckingham and reviewed by Mr. Daniel R. Cassidy, CPG and Ms. Cheryl A. Kehres-Dietrich, CGWP of Soil and Materials Engineers, Inc. (SME). This BEA was conducted on March 15, 2010 and completed on March 31, 2010.

2. INTRODUCTION

This report presents the results of SME's BEA of 626-724 North Main Street, in Ann Arbor, Washtenaw County, Michigan (hereinafter referred to as the Property). The Property is comprised of nine contiguous parcels located along the east side of North Main Street, between Summit Street and Felch Street. The location of the Property relative to nearby roads and major landmarks is depicted on Figure No. 1 in Attachment A. Property features are depicted on Figure No. 2 in Attachment A. Near North LDHA LP (Near North) plans to purchase the Property in the spring of 2010. Near North intends to redevelop the Property into an 80-unit low to moderate income housing complex. SME prepared and submitted this BEA on behalf of Near North.

2.1 Project Background

The historical and current uses of the Property were evaluated as part of SME's January 12, 2010, Phase I Environmental Site Assessment (ESA), which is included as Attachment B. Based on SME's review of historical information, it appears that the Property was used for residential purposes from at least 1900 to the present. A former auto repair shop (730 North Main Street) adjoined the Property to the north from at least 1948 to approximately 1955.

At the time of SME's Property reconnaissance, the Property consisted of 1.07 acres of land developed with eight residential dwellings. The remainder of the Property was developed with landscaping and asphalt and gravel parking. SME observed a 250-gallon heating oil above ground storage tank (AST) located in the basement of 626 North Main Street. The AST was stored on the concrete floor and no staining was observed on the floor beneath the AST. The AST was empty and no longer used for heating purposes.

As part of the Phase I ESA, SME reviewed documentation from a Phase II ESA conducted at the Property on April 3, 2009, by NTH Consultants, Ltd (NTH). NTH reportedly collected samples from two soil borings, five surface locations, and two temporary groundwater monitoring wells. The samples were reportedly analyzed for volatile organic compounds (VOCs) and 10 Michigan Metals. Arsenic and lead were measured in soil at concentrations above Michigan Department of Environmental Quality (MDEQ) Part 201 Generic Residential Direct Contact Criteria and/or Drinking Water Protection Criterion. For the two groundwater samples collected by NTH, arsenic, barium, chromium, copper, lead, mercury, selenium, silver and zinc were measured at concentrations above Part 201 Generic Residential Drinking Water and/or Groundwater Surface Water Interface (GSI) Criteria. It should be noted that on January 17, 2010, Executive Order 2009-45 took effect which created a new Michigan Department of

Natural Resources and Environment (MDNRE) that assumed the powers and functions of the former Michigan Department of Natural Resources and the MDEQ. The guidance, operational memoranda, and cleanup criteria issued by the former MDEQ remain in effect, and have not yet been renamed by MDNRE. In this BEA, the guidance, operational memoranda, and cleanup criteria are referenced as MDEQ.

A summary of the results of chemical analyses for soil and groundwater samples collected by NTH are presented on Table 1 (soil) and Table 2 (groundwater) of Attachment D. The results of the Phase I ESA performed by SME identified the following Recognized Environmental Conditions (RECs) in connection with the Property:

- The presence of arsenic and lead measured in soil and arsenic, barium, chromium, copper, lead, mercury, selenium, silver and zinc measured in groundwater at concentrations above MDEQ Part 201 Generic Residential Cleanup Criteria.
- The potential for environmental impact from unreported and/or undetected migration of hazardous substances and/or petroleum products onto the Property from the north-adjointing former auto repair shop.

To further evaluate the RECs, SME conducted a subsurface assessment of the Property in February, 2010. SME's sampling locations are depicted on Figure No. 3 in Attachment A; soil boring logs are included in Attachment C; and results of chemical analyses are presented on Table 1 (soil) and Table 2 (groundwater) in Attachment D. SME's subsurface assessment is described in further detail in Section 4.1.

2.2 Basis for BEA

The Property is a "facility" as defined by Part 201 of NREPA based on the results of the chemical analyses of soil and groundwater samples collected by NTH and SME for the constituents listed below:

- Benzo(a)pyrene, arsenic and lead were measured in soil samples at concentrations above the Part 201 Generic Residential Cleanup Criteria and Screening Levels (residential cleanup criteria) for Drinking Water Protection and/or Direct Contact.
- Arsenic, barium, chromium, copper, lead, mercury, selenium, silver and zinc were measured in groundwater samples at a concentration above the residential cleanup criteria for Drinking Water and/or GSI.

The prospective owner, Near North, intends to redevelop the Property into an 80-unit low to moderate income housing complex. According to Near North, the proposed Property use will not result in "significant hazardous substance use" as defined by Rule 901(o). Rule 901(o)

defines "significant hazardous substance use" as "the use, storage, handling, or management, at any time, of hazardous substances in quantities that exceed those commonly used for typical residential or office purposes." Therefore, SME prepared this Category "N" BEA as a means of distinguishing a new release from existing contamination.

3. PROPERTY DESCRIPTION AND INTENDED HAZARDOUS SUBSTANCE USE

3.1 Property Description

The Property is located along the east side of North Main Street, between Summit Street and Felch Street, at 626-724 North Main Street. The tax identification numbers for the nine parcels located on the Property are as follows: 09-09-20-412-010; 09-09-20-412-009; 09-09-20-412-008; 09-09-20-412-007; 09-09-20-412-006; 09-09-20-412-005; 09-09-20-412-004; 09-09-20-412-003 and 09-09-20-412-002. The legal descriptions of the parcels are contained in Appendix 22.4 of the Phase I ESA in Attachment B. According to a March 2009 City of Ann Arbor Zoning Map, the Property was zoned O-Office.

The Property is currently developed with eight residential dwellings. The remainder of the Property was developed with paved parking and landscaped areas. Photographs taken during the Phase I ESA, which illustrate observed Property conditions and surrounding areas, are contained in Appendix 22.3 of the Phase I ESA in Attachment B.

3.2 Proposed Hazardous Substance Use

According to Near North, the Property will be used for residential purposes. Activities on the Property will not involve "significant hazardous substance use" as defined by Rule 901(o).

4. KNOWN CONTAMINATION

Environmental assessment of the Property revealed the presence of benzo(a)pyrene and various metals in soil and groundwater at concentrations above residential cleanup criteria. The following sections present a more detailed summary of known contamination at the facility.

4.1 SME Subsurface Assessment

SME completed a subsurface assessment at the Property on February 11, 2010. The objective of the subsurface assessment was to further evaluate the potential for environmental impact from unreported and/or undetected migration of hazardous substances and/or petroleum products onto the Property from the north-adjointing former auto repair shop. The scope of services for the subsurface assessment is presented below:

- SME advanced three direct push soil borings, labeled SB101 through SB103, at the locations depicted on Figure No. 3 in Attachment A. SB101 was advanced to a depth of 15 feet below ground surface (bgs), and SB102 and SB103 were each advanced to a depth of 16 feet bgs.
- Soil samples collected from each direct push boring were field screened with a 10.2 eV photoionization detector (PID) to evaluate the presence of volatile organic constituents (VOCs).
- SME collected six soil and two groundwater samples from the Property and submitted the samples for chemical analysis for VOCs, polynuclear aromatic hydrocarbons (PAHs), arsenic, cadmium, chromium, hexavalent chromium and lead. Three soil samples, with total lead concentrations greater than 75 mg/kg, were also submitted for chemical analysis of lead as fine/coarse fractions in accordance with the MDEQ Remediation and Redevelopment Division's (MDEQ-RRD's) Operational Memorandum No. 2 dated October 22, 2004.
- Fibertec Environmental Services (Fibertec) of Holt, Michigan provided laboratory services.

4.1.1 SME Soil Sampling Procedures

SME collected soil samples using a truck-mounted, direct-push sampling rig. Soil samples were collected with the direct-push coring device using 48-inch long samplers. The samplers were lined with disposable acetate liners. Discrete soil samples were collected from the liners for soil classification and field screening by cutting open the acetate liner with a decontaminated utility knife and transferring the soil into an unpreserved 8-ounce glass jar. The discrete soil samples were classified in accordance with the Unified Soil Classification System (USCS).

SME screened soil samples in the field with a 10.2 eV photoionization detector (PID). The field screening was conducted by allowing time for the headspace above the soils collected for PID screening to equilibrate in the glass jars. The jars were then opened enough to insert the tip of the PID. The PID registers the presence of volatile organic vapors with an accuracy of approximately 1 part per million (ppm). Soil classifications and field screening results are presented in the Soil Boring Logs provided in Attachment C.

In addition to soil classification and field screening, soil samples were selected for potential chemical analysis and transferred into laboratory supplied container(s). SME selected soil samples for potential chemical analysis based on sample depth, field screening results, and soil characteristics. Soil samples collected for analysis of VOCs were collected directly from the acetate liner with a laboratory-supplied syringe and placed in a 40-ml vial with methanol preservative in accordance with EPA Method 5035A. Soil samples collected for analysis of PAHs or metals were homogenized prior to transferring the soil to a laboratory-supplied, pre-cleaned, 4-ounce glass jar.

Residual soil cuttings generated from the soil borings were returned to the corresponding bore hole after sampling activities were completed. The remaining space in the bore holes was filled with bentonite chips and patched at the surface with soil.

4.1.2 SME Groundwater Sampling Procedures

SME collected groundwater samples from soil borings SB102 and SB103 for potential chemical analyses. Groundwater samples were collected by installing a temporary PVC well screen into the saturated zone in each boring. The well screens were 5 feet in length with a slot size of 0.005 inches. The top of the well screens were placed at or above the depth of groundwater encountered during drilling. SME purged groundwater prior to sampling using polyethylene tubing connected to a vacuum pump. The quantity of purge water was

approximately 1 liter, corresponding to approximately three well volumes. SME collected unfiltered groundwater samples at a low-flow rate (i.e. less than 400 mL/min) into laboratory-supplied, pre-preserved containers directly from the effluent end of the pump tubing.

4.1.3 SME Quality Assurance/Quality Control (QA/QC) Procedures

MDEQ protocols described in MDEQ-RRD Operational Memorandum No. 2, October 22, 2004 were used to guide sample collection, management, analyses, and quality assessment/quality control (QA/QC) procedures. Soil boring sampling tools were cleaned prior to drilling and/or between each boring location with a high pressure/temperature wash. In addition, prior to cutting each acetate liner, the utility knife was cleaned with a laboratory grade detergent and rinsed with distilled water. New pairs of disposable nitrile sampling gloves were used to transfer each soil sample from the acetate liner or groundwater samples to the sample jars for potential chemical analyses.

The analytical laboratory supplied the containers used for soil and groundwater sample collection. The sample jars were supplied pre-cleaned and containing the appropriate preservative. After sample collection, the containerized samples were kept cool, i.e. kept on ice or refrigerated, until delivery to the analytical laboratory. SME field staff followed chain-of-custody procedures to document the sample handling sequence.

SME submitted the soil and groundwater samples to Fibertec for chemical analyses. Analytical methods, laboratory reporting limits (RLs), and chain of custody documentation are provided in the analytical report in Attachment E. The analytical methods and detection limits were consistent with MDEQ – RRD's Operational Memorandum No. 2, dated July 5, 2007.

4.1.4 Soil and Groundwater Conditions

Soil boring logs documenting observed subsurface conditions are provided in Attachment C. Figure No. 3 in Attachment A is a Sample Location Diagram. The general soil profile consisted of approximately three to six feet of sand fill, underlain by sandy clay to the explored depth of the soil borings. At SB102, approximately two feet of natural sand was encountered at the end of the boring, and at SB103 a sand layer was encountered within the sandy clay from about 10 to 12 feet bgs. The sand fill contained a trace of brick at SB101 and a trace of asphalt at SB103.

Soil samples were evaluated for field evidence of impact. PID screening results were below the detection limit of the instrument (one part per million). SME observed no staining or odors in the soil samples collected from the Property.

Groundwater was encountered during drilling at depths ranging from approximately 8 feet to 14 feet bgs. No hydrocarbon odors or sheen were noted in the groundwater samples collected from SB102 or SB103.

Refer to the logs for the soil and groundwater conditions at the specific soil boring locations. Stratification lines on the logs indicate a general transition between soil types, and are not intended to show an area of exact geological change.

4.1.5 Analytical Results – Soil and Groundwater

A summary of the results of chemical analyses for soil and groundwater samples collected during NTH's April 3, 2009 Phase II ESA and SME's February 11, 2010, subsurface assessment are presented on Table 1 (soil) and Table 2 (groundwater) of Attachment D. Copies of the laboratory analytical reports are included in Attachment E.

4.1.5.1 Soil Results

SME compared target soil analyte concentrations to the following residential cleanup criteria to determine if the site would be considered a "facility" as defined by Part 201 of NREPA:

- Drinking Water Protection
- GSI Protection
- Groundwater Contact Protection Criteria
- Soil Volatilization to Indoor Air Inhalation Criteria
- Infinite Source Volatile Soil Inhalation Criteria
- Direct Contact

Benzo(a)pyrene, arsenic and lead were measured in four soil samples submitted by SME at concentrations above residential Drinking Water Protection and/or Direct Contact criteria. Arsenic and lead were also measured in soil samples submitted by NTH at concentrations above residential Drinking Water Protection and/or Direct Contact criteria.

4.1.5.2 Groundwater Results

SME compared target groundwater analyte concentrations to the following residential cleanup criteria to determine if the site would be considered a "facility" as defined by Part 201 of NREPA:

- Drinking Water
- GSI
- Groundwater Volatilization to Indoor Air Inhalation
- Groundwater Contact

Lead was measured in the groundwater sample (SB103) at a concentration above the residential cleanup criteria for Drinking Water. Arsenic, barium, chromium, copper, lead, mercury, selenium, silver and zinc were measured in groundwater samples submitted by NTH at a concentration above the residential cleanup criteria for Drinking Water and/or GSI.

4.1.5.3 QA/QC Results

SME obtained a trip blank and methanol blank from the laboratory and collected duplicate soil and groundwater samples in the field to evaluate the precision, accuracy, and representativeness of the data. VOCs were not detected in the trip blank and the methanol blank. The measured constituent concentrations in soil sampled at SB101 had generally lower concentrations, but is still considered consistent with those of the SB101 duplicate sample. The measured constituent concentrations in groundwater sampled at SB102 are consistent with those of the SB102 duplicate sample. Applicable QA/QC parameters were within acceptance limits, with one exception that did not affect the findings or conclusions of this BEA. Refer to Tables 1 and 2 in Attachment D and the analytical report narrative in Attachment E for more information regarding the QA/QC results and soil and groundwater reporting limits.

4.2 Contamination Identification and Distribution

The results of the April 2009 and February 2010 assessments confirmed soil and groundwater at the Property is contaminated with benzo(a)pyrene and various metals at concentrations above Part 201 Generic Residential Cleanup Criteria. Benzo(a)pyrene was measured in one soil sample collected from the fill soil at SB101, located on the northern portion of the Property, at a concentration above the residential cleanup criteria for Direct Contact. Arsenic was measured in nine soil samples collected throughout the Property, at concentrations

above the residential cleanup criteria for Drinking Water Protection and/or Direct Contact. Lead was measured in three soil samples collected from the fill soil at SS-1, SB101 and SB102, located on the northern portion of the Property, at concentrations above the residential cleanup criteria for Direct Contact. Arsenic, barium, chromium, copper, lead, mercury, selenium, silver, and zinc were measured in two groundwater samples (SB6 and SB7), located on the western portion of the Property, at concentrations above the residential cleanup criteria for Drinking Water and/or GSI. Lead was also measured in the groundwater sample from SB103, located on the northern portion of the Property, at a concentration above the residential cleanup criteria for Drinking Water. No other target analytes were measured in soil or groundwater at concentrations above the residential cleanup criteria.

5. LIKELIHOOD OF OTHER CONTAMINATION

SME selected sampling locations for the subsurface assessment based on the locations of RECs identified in the January 12, 2010, Phase I ESA. NTH's samples appeared to be selected to evaluate fill conditions at the Property and to provide general site coverage. SME identified no other on-site areas of concern. No USTs are known to exist at the Property; however, SME observed an empty 250-gallon above-ground storage tank (AST) in the basement of one of the residential dwellings. Based on information obtained during SME's Phase I ESA, the AST was used to store heating oil for consumptive use on the Property. The AST appeared to be in good condition with no evidence of corrosion and not evidence of a spill on the concrete below the tank. A Notice Regarding Discarded or Abandoned Containers (Form EQP4476) is included in the Attachments. The AST will be removed prior to building demolition, scheduled for Spring 2010.

Although SME identified no on-site areas of concern other than those addressed by the subsurface assessment activities, SME cannot guarantee all potential contaminants have been identified, or that unknown contamination may exist at the Property resulting from historical activities or off-site sources. Furthermore, the specific contaminant distribution and extent of impact are not known at this time.

6. CONCLUSIONS

SME prepared this Category "N" BEA report for the property located at 626-724 North Main Street, in Ann Arbor, Washtenaw County, Michigan. The results of subsurface assessment activities indicated the Property meets the criteria of a "facility" with respect to: benzo(a)pyrene, arsenic, barium, chromium, copper, lead, mercury, selenium, silver and zinc. The prospective owner, Near North, intends to redevelop the Property into a low to moderate income housing complex. According to Near North, their proposed use will not involve significant hazardous substance use and this is the basis for being able to distinguish existing contamination from a new release.

In the process of obtaining information in preparation of this BEA, SME followed procedures that represent current reasonable and accepted engineering and hydrogeological practices and principles, in a manner consistent with the level of care and skill ordinarily exercised by members of these professions.

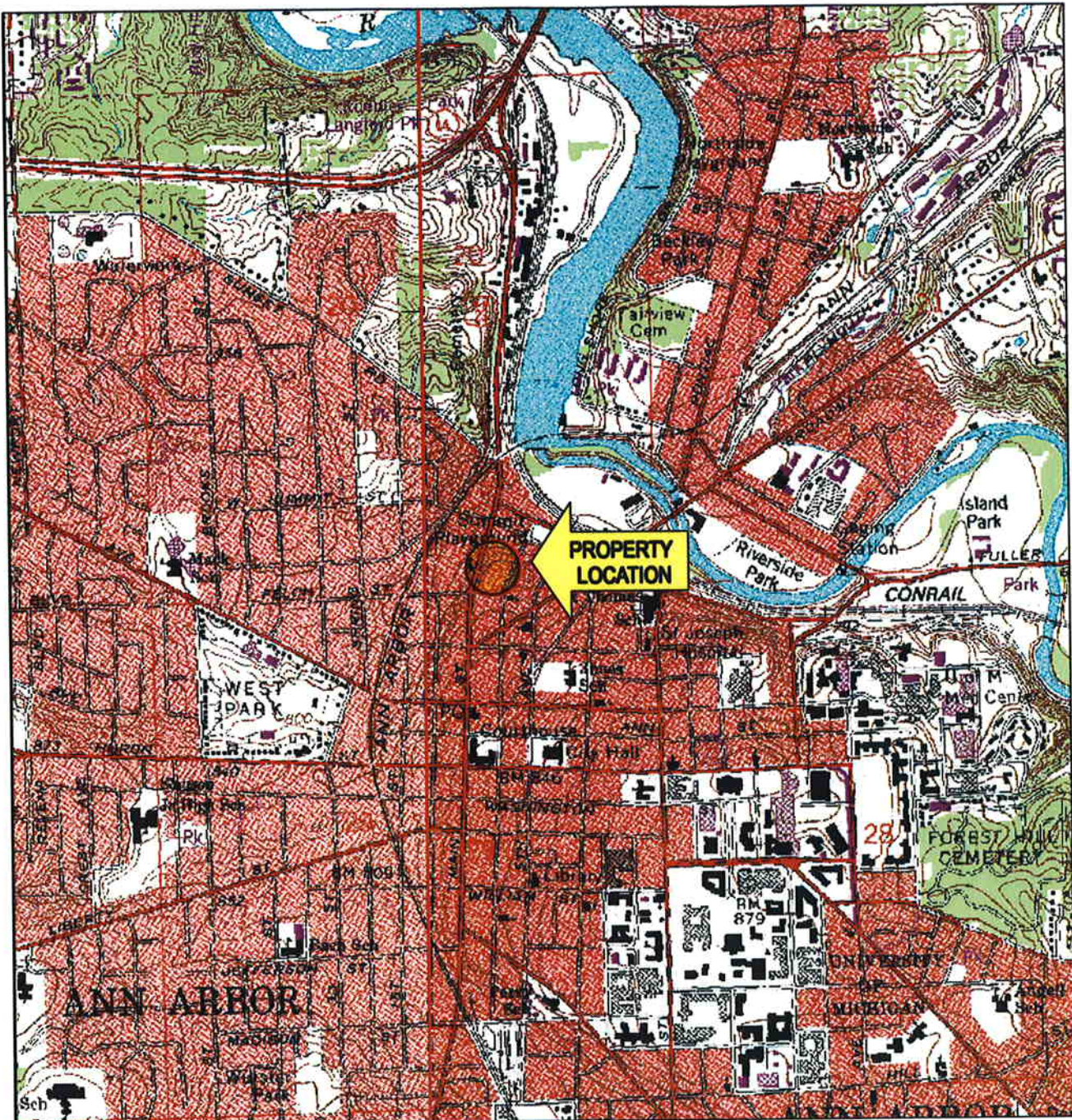
SME has performed the BEA based upon observed conditions, readily available historical information, the reported future use of the Property, and conditions encountered during the subsurface assessment activities. Based on the historical, subsurface, and analytical data that has been collected, and the proposed future use of the Property, it is SME's opinion this BEA is sufficient to provide a basis to distinguish potential future hazardous substance releases from the existing facility conditions.

7. REFERENCES

1. NTH Consultants, Ltd, Phase II Environmental Site Assessment Laboratory Data Report and Boring Location Diagram – **Three Oaks Development, Ann Arbor, Michigan**, dated April 10, 2009.
2. Soil and Materials Engineers, Inc., **Phase I Environmental Site Assessment – 626-724 North Main Street, Ann Arbor, Michigan**, dated January 12, 2010.
3. **Part 201 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the Part 9 and Part 10 Rules**, dated December 21, 2002.
4. The Michigan Department of Environmental Quality, **Part 201 Generic Residential Cleanup Criteria and Screening Levels presented in the MDEQ – RRD’s Operational Memorandum No. 1**, dated January 23, 2006.
5. The Michigan Department of Environmental Quality, **MDEQ – RRD’s Operational Memorandum No. 2**, dated July 5, 2007.
6. The Michigan Department of Environmental Quality, **Commonly Asked Questions about Baseline Environmental assessments and Section 7a (“Due Care”) Compliance under Part 201**, June 24, 1999.

ATTACHMENT A

FIGURES



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 600 ft Scale: 1 : 20,000 Detail: 13-2 Datum: WGS84



QUADRANGLE LOCATION

ANN ARBOR EAST QUADRANGLE (1983)
WASHTENAW COUNTY, MICHIGAN



bay city
grand rapids
indianapolis
kalamazoo
lansing
plymouth
shelby
toledo
traverse city

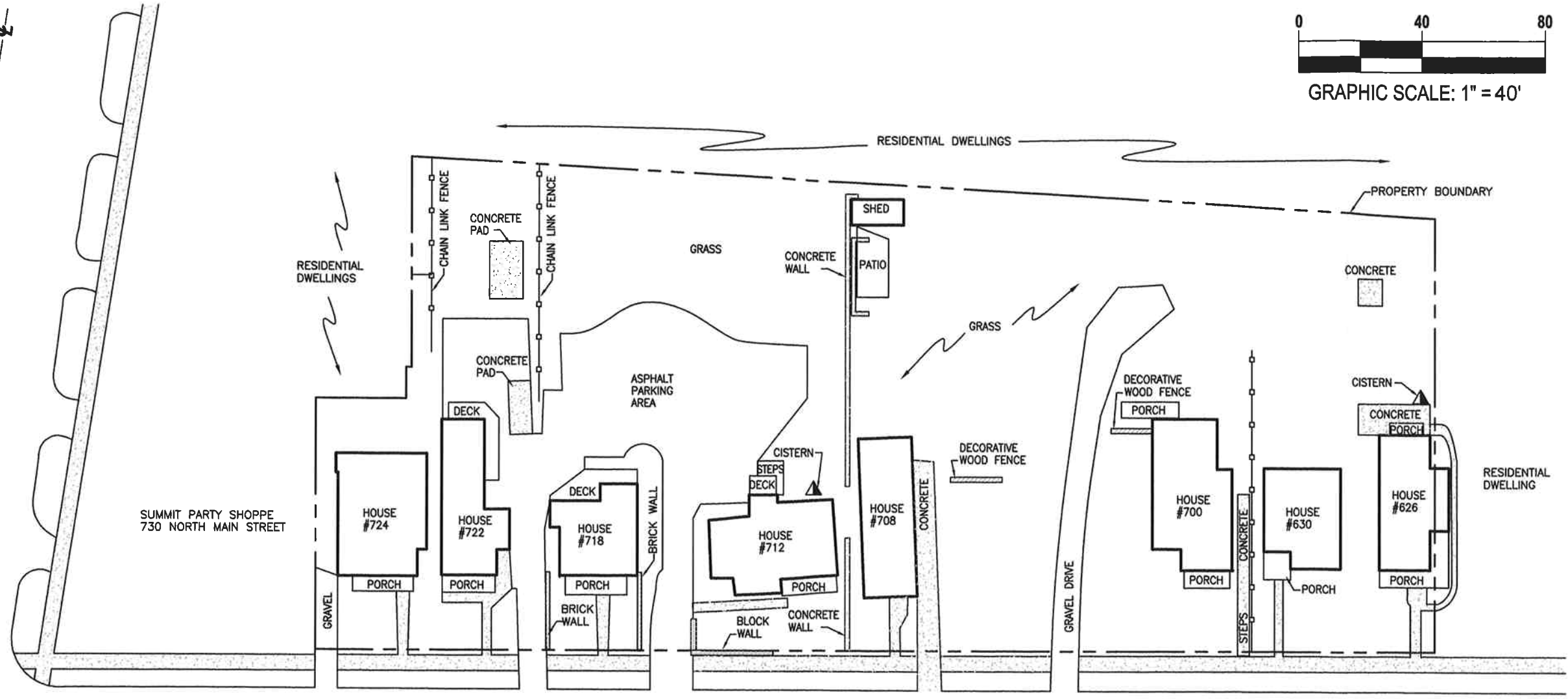
Date: 12-21-09
Drawn By: JAB
Scale: AS SHOWN
Project: PE60262A-01

**PROPERTY LOCATION MAP
NEAR NORTH
ANN ARBOR,
WASHTENAW COUNTY, MICHIGAN**

EAST SUMMIT STREET



GRAPHIC SCALE: 1" = 40'



NORTH MAIN STREET

RESIDENTIAL DWELLING
735 NORTH MAIN STREET

FORMER CITY GARAGE
721 NORTH MAIN STREET

ANN ARBOR COMMUNITY CENTER
625 NORTH MAIN STREET

NOTE:
DRAWING INFORMATION TAKEN FROM A PLANNED UNIT DEVELOPMENT REZONING AND SITE PLAN
DRAWING (LATEST REVISED DATE 9-9-09) PREPARED BY MIDWESTERN CONSULTING.

No.	Revision Date

**PROPERTY FEATURES DIAGRAM
NEAR NORTH
ANN ARBOR, WASHTENAW COUNTY, MICHIGAN**

Date	12-21-09
Drawn By	JAB
Designed By	JPB
Scale	1" = 40'
Project	PE60262A-01

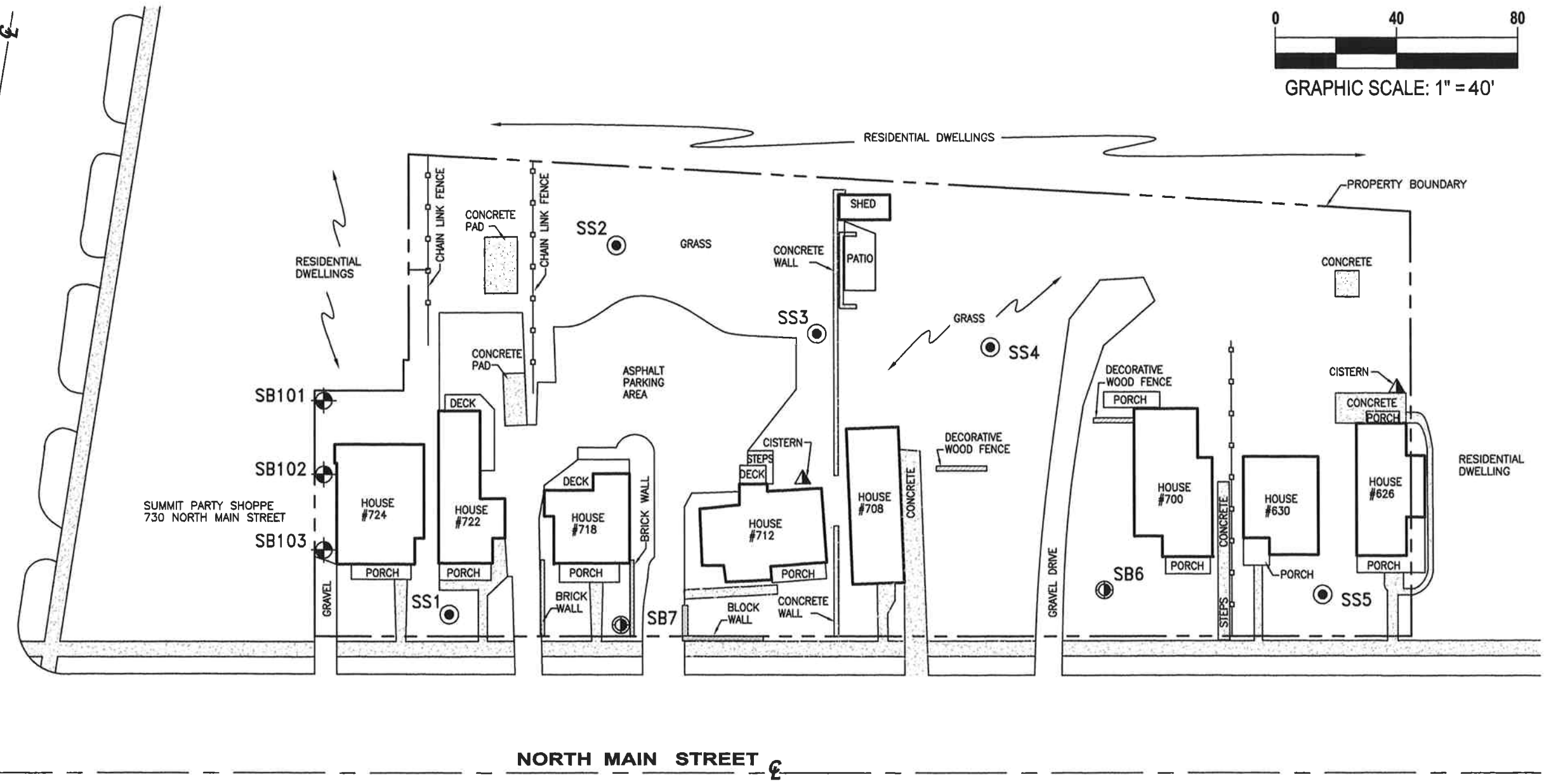
plymouth
bay city
grand rapids
indianapolis
kalamazoo
lansing
sheby twp.
toledo
traverse city

Dec 21, 2009 - 3:07pm - jblake
R:\Plymouth_dwg\PE60262A-01\60262A-01_02.dwg



Figure No. 2

EAST SUMMIT STREET



RESIDENTIAL DWELLING
735 NORTH MAIN STREET

FORMER CITY GARAGE
721 NORTH MAIN STREET

ANN ARBOR COMMUNITY CENTER
625 NORTH MAIN STREET

NOTES:

- DRAWING INFORMATION TAKEN FROM A PLANNED UNIT DEVELOPMENT REZONING AND SITE PLAN DRAWING (LATEST REVISED DATE 9-9-09) PREPARED BY MIDWESTERN CONSULTING.
- BORING LOCATIONS ARE APPROXIMATE AND NOT TO SCALE.

LEGEND

- APPROXIMATE BORING LOCATION (PERFORMED BY SME)
- APPROXIMATE BORING LOCATION (PERFORMED BY NTH 2009)
- APPROXIMATE SURFACE SAMPLE LOCATION (PERFORMED BY NTH 2009)

Mar 11, 2010 - 12:45pm - jblake
R:\60000\PE60262C-02\60262C-02_02.dwg

plymouth
bay city
grand rapids
indianapolis
kalamazoo
lansing
shelby twp.
toledo
traverse city



Date	3-11-10
Drawn By	JAB
Designed By	JPB
Scale	1" = 40'
Project	PE60262C-02

No.		Revision Date

**SAMPLE LOCATION DIAGRAM
NEAR NORTH
ANN ARBOR, WASHTENAW COUNTY, MICHIGAN**

Figure No. 3

ATTACHMENT B
SME'S JANUARY 12, 2010, PHASE I ESA

above ground storage tank
air quality
asbestos/lead-based paint
baseline environmental assessment
brownfield redevelopment
building/infrastructure restoration
caisson/piles
coatings
concrete
construction materials services
corrosion
dewatering
drilling
due care analysis
earth retention system
environmental compliance
environmental site assessment
facility asset management
failure analyses
forensic engineering
foundation engineering
geodynamic/vibration
geophysical survey
geosynthetic
greyfield redevelopment
ground modification
hydrogeologic evaluation
industrial hygiene
indoor air quality/mold
instrumentation
masonry/stone
metals
nondestructive testing
pavement evaluation/design
property condition assessment
regulatory compliance
remediation
risk assessment
roof system management
sealants/waterproofing
settlement analysis
slope stability
storm water management
structural steel/welding
underground storage tank

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT
REPORT**

**626-724 NORTH MAIN STREET
ANN ARBOR, MICHIGAN**

SME Project Number: PE60262A-01

January 12, 2010



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Soil and Materials Engineers, Inc.



January 12, 2010

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Mr. Michael Appel
Near North LDHA LP
603 West Huron Street
Ann Arbor, Michigan 48103

RE: Phase I Environmental Site Assessment Report
626-724 North Main Street
Ann Arbor, Michigan
SME Project Number: PE60262A-01

Dear Mr. Appel:

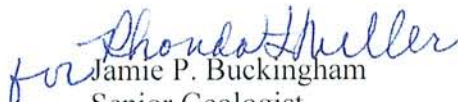
SME has completed a Phase I Environmental Site Assessment (ESA) of the above referenced property, hereinafter referred to as the Property. This Phase I ESA report presents SME's interpretation of the observed conditions based on field observations, a review of readily available historical and regulatory records, and interviews.


The Phase I ESA was requested to identify recorded and readily observable recognized environmental conditions associated with the Property. SME understands Near North LDHA LP and Michigan State Housing Development Authority (MSHDA) will rely upon the professional opinions and representations contained in the report in accordance with the terms and conditions agreed upon for the project. This reliance is not to be construed as a warranty or guarantee on the part of SME.

Thank you for the opportunity to provide these services. If you have any questions concerning this report, or if additional services are required, please call.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.


for Jamie P. Buckingham
Senior Geologist


Daniel R. Cassidy, CPG
Project Manager

Enclosures: 2 Reports

T:\PROJ\60000\PE60262A-01\PE60262A-01-01122010-PHASE I ESA REPORT.DOC

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Ohio

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consultants in the geosciences, materials, and the environment

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MSHDA PHASE I SUMMARY COVER SHEET

SECTION X

2009 - MSHDA Phase I Summary Cover Sheet

Project Name: Near North
Sponsors Name: Near North LDHA LP Sponsor's Fax: _____
Consultants' / Firm Name: Soil and Materials Engineers, Inc.
Consultants' Fax No.: (734) 454-0629 **Email:** cassidy@sme-usa.com
Project #: PE60262A-01 Report Date: January 12, 2010

Please answer all questions below, noting the appropriate page or appendix in your report that contains the supporting documentation. **Summary Cover Sheets containing unknown or incomplete responses will not be processed and will be returned for correction.**

1. Report Findings

- a. The site contains Wetland area(s). Yes No
(See requirements in Sec. IV, H.6) Page 26 Appendix 23.7
- b. The site or a portion of the site is in the 100 year Flood Plain. Yes No
(See requirements in Sec. IV, H.5) Page 26 Appendix 22.7
- c. The site contains a UST(s) or AST(s). Yes No
(See requirements in Sec. IV, I) Page 21
- d. The Phase I ESA revealed a REC(s). Yes No
(See requirements in Sec. IV, D.5) Pages 2 and 23
- e. There any high power electrical transmission lines with in 500 feet of the subject site. Yes No
(See requirements in Sec. IV, H.7) Page 27
- f. There are buried high-pressure gas transmission lines (4" in diameter and 400 psi or greater) within 1000 feet of the subject site. Yes No
(See requirements in Sec. IV, H.8) Page 27
- g. The subject site is within 400 feet of a limited access freeway or 1000 feet of a rail line. Yes No
(See requirements in Sec. IV, H.9) Page 27

h. For structures undergoing renovation/remodeling, an Asbestos survey was performed.

Yes No Page 26

i. An Asbestos inspection satisfying NESHAP and MSHDA requirements for demolition/remodeling activities as documented in the Sponsor's Comprehensive Needs Analysis or the Architect's Plans and Specifications for the project was performed.

Yes No

(see requirements in Sec. IV, H.1) Page 26

j. For structures undergoing renovation/remodeling, a LBP survey was performed.

Yes No Page 26

k. The LBP inspection satisfies HUD and MSHDA requirements for the proposed demolition/remodeling activities as documented in the Sponsor's Comprehensive Needs Analysis or the Architect's Plans and Specifications for the project.

Yes No

(See requirements in Sec. IV, H.2) Page 26

l. For developments located in Branch, Calhoun, Cass, Hillsdale, Jackson, Kalamazoo, Lenawee, St. Joseph, and Washtenaw counties Radon mitigation measures are documented in the report.

Yes No

(See requirements in Sec. IV, H.5) Page 26

m. A "Recorded Land Records" search was performed.

Yes No

(See requirements in Sec. IV, C) Page 8

n. A Phase II investigation is required.

Yes No

(See requirements in Sec. V) Page 23

o. A Tier I and non-invasive Tier II investigation for potential Vapor Intrusion Conditions was performed.

Yes No

(See requirements in Sec. IV, H.10) Page 27

p. An invasive Tier II investigation is required for potential Vapor Intrusion Conditions.



Yes No

(See requirements in Sec. IV, H.10) Page 27

2. Report Documentation Check List. If any of the responses below are "NO," do not submit report.

- a. MSHDA Phase I Letter of Reliance completed? Yes Page i
 No
- b. Seller's Disclosure Statement completed? Yes Page 19 Appendix 22.6
 No
- c. User's Disclosure Statement completed? Yes Pages 8 and 9 Appendix 22.6
 No
- d. Certificate of insurances included? Yes
 No
- e. FEMA Flood Plain Map Included? Yes Page 26 Appendix 22.7
 No
- f. Fire Insurance Maps or N.C. Letter Included? Yes Page 14 Appendix 22.4
 No
- g. Development Site Plan Included? Yes Appendix 22.2
 No

I represent that this Summary Cover Sheet accurately reflects the environmental information contained in the above captioned document.

 / 1/12/10 
Signature of Environmental Professional / Date Print or Type Legal Name



Soil and Materials Engineers, Inc.
The Kramer Building
43980 Plymouth Oaks Blvd.
Plymouth, MI 48170-2584

tel (734) 454-9900
fax (734) 454-0629
www.sme-usa.com

2. MSHDA PHASE I LETTER OF RELIANCE

LETTER OF RELIANCE PRIVILEGED AND CONFIDENTIAL

January 12, 2009

Mr. Bruce Jeffries, Environmental Review Officer
Design and Technical Resources Division
Michigan State Housing Development Authority
735 East Michigan Avenue
Lansing, Michigan 48912

RE: Phase I Environmental Site Assessment for
Near North
626-724 North Main Street
Ann Arbor, Michigan
SME Project Number: PE60262A-01

Dear Mr. Jeffries:

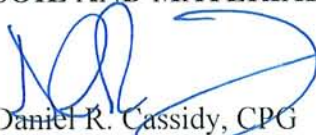
Please find enclosed the Phase I Environmental Site Assessment (ESA) for the subject property dated January 12, 2010 to the Michigan State Housing Development Authority (MSHDA).

It is our understanding that the information contained in the Environmental Site Assessment will be used by the Authority in considering proposed financing of residential development of the property and, furthermore, that the Authority may rely upon the Phase I Environmental Site Assessment as if it were issued to the Authority.

SME certifies that the attached is a true, correct, and complete copy of the Phase I Environmental Site Assessment and that the report represents our professional opinion of the site as of this date and that I meet the definition of an Environmental Professional as defined in Section 312.10 of 40 CFR 312. We also confirm the evaluation, recommendations, and conclusions contained in the Phase I Environmental Site Assessment as of this date and that the Phase I Environmental Site Assessment has been performed in conformance with the scope and limitations of both the ASTM Practice E1527-05, ASTM Practice E2600-08, and MSHDA's Environmental Review Requirements for 2009.

Sincerely,

SOIL AND MATERIALS ENGINEERS, INC.



Daniel R. Cassidy, CPG
Project Manager

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consultants in the geosciences, materials, and the environment

**3. COPY OF ENVIRONMENTAL PROFESSIONAL
INSURANCE CERTIFICATES**

Terra Insurance Company
(A Risk Retention Group)
Two Fifer Avenue, Suite 100
Corte Madera CA 94925



CERTIFICATE OF INSURANCE

DATE

12/16/09

NAME AND ADDRESS OF INSURED

Soil and Materials Engineers, Inc.
43980 Plymouth Oaks Blvd.
Plymouth, MI 48170

This certifies that the insurance policy (described below by a policy number) written on forms in use by the Company has been issued. This certificate is not a policy or a binder of insurance and does not alter, amend or extend the coverage afforded by that policy.

Notwithstanding any requirement, term or condition of any contract or other document to which this certificate may pertain, the insurance afforded by the policy is subject to all of its terms, exclusions and conditions.

TYPE OF INSURANCE	Professional/Environmental Liability	
POLICY NUMBER	EFFECTIVE DATE	EXPIRATION DATE
209057	01/01/09	12/31/09

LIMITS OF LIABILITY	\$2,000,000 EACH CLAIM
	\$2,000,000 ANNUAL AGGREGATE

PROJECT DESCRIPTION

Near North - Phase I ESA - Ann Arbor, MI
SME's Project No.: PE60262A-01

CANCELLATION If the described policy is cancelled by the Company before its expiration date, the Company will mail written notice to the certificate holder thirty (30) days in advance, or ten (10) days in advance for non-payment of premium. If the described policy is cancelled by the insured before its expiration date, the Company will mail written notice to the certificate holder within thirty (30) days of the notice to the Company from the insured.

CERTIFICATE HOLDER

Michigan State Housing Development Authority
735 e. Michigan Avenue,
Lansing, MI 48912

ISSUING COMPANY:
TERRA INSURANCE COMPANY
(A Risk Retention Group)

President



CERTIFICATE OF LIABILITY INSURANCE

OP ID K1
SOIL&-2DATE (MM/DD/YYYY)
12/16/09

PRODUCER Camden Insurance Agency, Inc. 17900 Ryan Road, Ste. A Detroit MI 48212 Phone: 313-965-9602 Fax: 313-965-9603	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Soil and Materials Engineers Inc. 43980 Plymouth Oaks Blvd. Plymouth MI 48170-2584	INSURER A: Amerisure Mutual Insurance Co.	19488
	INSURER B: Amerisure Insurance Company	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Owner/Cont Prot. <input checked="" type="checkbox"/> Contractual GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	CPP132305609	01/01/09	01/01/10	EACH OCCURRENCE \$ 1,000,000. DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000. MED EXP (Any one person) \$ 10,000. PERSONAL & ADV INJURY \$ 1,000,000. GENERAL AGGREGATE \$ 2,000,000. PRODUCTS - COMP/OP AGG \$ 2,000,000.
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	CA202615806	01/01/09	01/01/10	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000. BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
	EXCESS / UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below Y/N <input type="checkbox"/>	WC132305711	01/01/09	01/01/10	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000. E.L. DISEASE - EA EMPLOYEE \$ 500,000. E.L. DISEASE - POLICY LIMIT \$ 500,000.
	OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

(Special 30 Day Cancel Provision)
 Near North-Phase I ESA - Ann Arbor, MI
 SME's Project #PE60262A-01

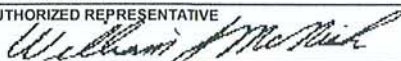
CERTIFICATE HOLDER

MICHILA

Michigan State Housing
 Development Authority
 735 E. Michigan Avenue
 Lansing MI 48912

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ~~EXPIRE~~ MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT ~~NOT BE RESPONSIBLE~~ ALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE


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CERTIFICATE OF LIABILITY INSURANCE

OP ID K1
SOIL&-2DATE (MM/DD/YYYY)
12/16/09

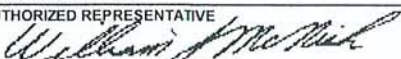
PRODUCER Camden Insurance Agency, Inc. 17900 Ryan Road, Ste. A Detroit MI 48212 Phone: 313-965-9602 Fax: 313-965-9603	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED Soil and Materials Engineers Inc. 43980 Plymouth Oaks Blvd. Plymouth MI 48170-2584	INSURER A: Evanston Insurance Co.	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A		GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Pollution Liab <input checked="" type="checkbox"/> 25,000. Ded. GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	09CPLM00022	01/01/09	01/01/10	EACH OCCURRENCE \$ 2,000,000. DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000. PRODUCTS - COMP/OP AGG \$
		AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		EXCESS / UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under SPECIAL PROVISIONS below				<input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
 Near North-Phase I ESA - Ann Arbor, MI
 SME's Project #PE60262A-01

CERTIFICATE HOLDER MICHILIA Michigan State Housing Development Authority 735 E. Michigan Avenue Lansing MI 48912	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE 
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4. SUMMARY

The findings of Soil and Materials Engineers, Inc.'s (SME's) Phase I Environmental Site Assessment (ESA) of the eight residential parcels (626-724 North Main Street) located along the east side of North Main Street, between Summit Road and Felch Street, in the city of Ann Arbor, Washtenaw County, Michigan (the Property), are summarized below. A Property Location Map (Figure 1) is included in Section 22.1.

No recorded environmental cleanup liens or activity/use limitations (AULs) related to the Property were reported by the User. The User reported having no specialized knowledge or experience that would indicate, or create suspicion of, the presence of environmental contamination on the Property. The User reported that the purchase price of the Property reflected fair market value and he has not become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated or that any past event could have resulted in environmental impact of the Property or adjoining properties. The User, based on personal knowledge and experience related to the Property, reported no obvious indicators that point to the presence or likely presence of contamination at the Property.

SME reviewed regulatory agency lists of sites of environmental concern provided by EDR. According to the EDR Report, the west-adjointing site was listed as an Open Leaking Underground Storage Tank (LUST) site. In SME's opinion the site does not represent a recognized environmental condition (REC) for the following reasons:

- The site is approximately 140 feet west from the Property, across Main Street;
- Utilities present below Main Street could intercept contamination migrating across Main Street;
- The site is topographically downgradient from the Property; and
- The general soil profile in the area of the Property is clay which reduces the likelihood of contaminant migration.

SME identified no other RECs associated with the regulatory database review.

SME reviewed an April 10, 2009, Boring Location Diagram prepared by NTH Consultants, Ltd and an analytical laboratory report for samples collected from the Property. Two soil borings were reportedly advanced at the Property and five surface samples and two groundwater samples were reportedly collected. The samples were analyzed for volatile organic compounds (VOCs) and 10 Michigan Metals. Arsenic and lead in soil and groundwater were measured above Michigan Department of Environmental Quality (MDEQ) Part 201 Generic

Residential Direct Contact Criteria and Drinking Water Protection Criteria. The presence of arsenic and lead concentrations in soil and groundwater at the Property above MDEQ Part 201 Generic Residential Cleanup Criteria represents a REC in connection with the Property.

Based on SME's review of historical information, it appears that the Property was used for residential purposes from at least 1900 to the present. In SME's opinion, the historical use of the Property for residential purposes does not represent a REC in connection with the Property.

During SME's review of historical information, SME identified the potential for environmental impact from migration of hazardous substances and/or petroleum products from north adjoining former auto repair shop (730 North Main Street) as a REC in connection with the Property.

SME observed a 250-gallon heating oil above ground storage tank (AST) located in the basement of 626 North Main Street. The AST was stored on the concrete floor and no staining was observed on the floor beneath the AST. The AST was empty and no longer used for heating purposes. SME observed no visual evidence of staining, stressed vegetation, pits, ponds, lagoons, underground storage tank systems (USTs) such as fill ports, vent pipes, dispensers, concrete pads or areas of replaced pavement. SME identified no RECs associated with the Property reconnaissance.

SME identified no RECs in connection with the Property based on interviews with representatives of the Property owner and User, and with representatives of the Washtenaw County Environmental Health Department and the City of Ann Arbor Fire Department. Additionally, SME identified no RECs in connection with the Property, based on our review of the Michigan Department of Environmental Quality-Geological and Land Management Division's Oil and Gas Info System – Online Data Query.

4.1 Data Failure Discussion

SME identified no data failures in connection with this Phase I ESA.

4.2 Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the eight residential parcels located along the east side of North Main Street, between Summit Road and Felch Street, in the city of Ann Arbor, the property. Any exceptions to, or deletions from, this practice are described in Section 5.4 of this report. This assessment has revealed no evidence of recognized environmental conditions or negative site impacts in connection with the property with the exception of the following:

- The presence of arsenic and lead measured in soil and groundwater at the site at concentrations above MDEQ Part 201 Generic Residential Cleanup Criteria (Section 8.2.4).
- The potential for environmental impact from unreported and/or undetected migration of hazardous substances and/or petroleum products onto the Property from the north-adjointing former auto repair shop (Section 8.5).

To assess the identified RECs in connection with the Property, SME recommends conducting additional subsurface assessment on the Property.

In SME's opinion no data gap or limitation was identified in the course of this Phase I ESA that would impair the identification of RECs in connection with the property.

SME's team members on this project were as follows:

Preparer:	Jamie P. Buckingham
Environmental Professional (EP):	Daniel R. Cassidy, CPG
Technical Reviewer:	Rhonda F. Miller, CHMM

5. INTRODUCTION

SME has performed a Phase I Environmental Site Assessment (ESA) of eight residential parcels (626-724 North Main Street) located along the east side of North Main Street, between Summit Road and Felch Street, in the city of Ann Arbor, Washtenaw County, Michigan, hereinafter referred to as the Property. The Phase I ESA was conducted according to the ASTM International Standard E 1527-05 (Standard), which is accepted by the U.S. Environmental Protection Agency regulations as satisfying the requirements of All Appropriate Inquiries (AAI) under the Comprehensive Environmental Response, Compensation and Liability Act, as amended (CERCLA), the ASTM International Standard E 2600-08, and the MSHDA Environmental Review Requirements dated March 17, 2009.

Mr. Michael Appel on behalf of Avalon Housing, Inc., the User, authorized this Phase I ESA to establish the environmental conditions of the Property prior to the purchase of the Property.

5.1 Purpose

The purpose of this Phase I ESA was to identify Recognized Environmental Conditions (RECs) in connection with the Property and assess the relative significance of the identified REC(s). ASTM defines a REC as:

...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.*

**For the purposes of this Phase I ESA, a hazardous substance is a substance as defined in the ASTM Standard E 1527-05.*

5.2 Detailed Scope of Services

This Phase I ESA was conducted in conformance with the March 17, 2009, MSHDA Environmental Review Requirements and the ASTM International Standard on Environmental Site Assessments for Commercial Real Estate designation E 1527-05, "Standard Practice

for Environmental Site Assessments: Phase I Environmental Site Assessment Process.” This Phase I ESA does not address the non-scope considerations as defined by Section 13 of ASTM E 1527-05, except for the following:

- 100-year floodplain
- Wetlands
- High-voltage power lines
- High-pressure buried gas lines
- Potential vapor intrusion conditions (as defined by ASTM Standard E 2600-08)

The Environmental Professional responsible for the conduct of this Phase I ESA was Mr. Daniel R. Cassidy, CPG. The site reconnaissance and interviews were performed by Mr. Jamie P. Buckingham. The resumes of Mr. Cassidy and Mr. Buckingham are attached in Section 22.9.

5.3 Significant Assumptions

Pursuant to the Standard, SME assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

5.4 Limitations and Exceptions

The following limitation, discussed in Section 11, was encountered during site reconnaissance activities:

- SME did not have access to the basement of the residential dwelling located at 718 North Main Street.

5.5 Special Terms and Conditions

No special terms and conditions were imposed on SME as part of this Phase I ESA.

5.6 User Reliance

SME has prepared this report to be used solely and exclusively by Near North LDHA LP (the User) and MSHDA in accordance with terms and conditions agreed upon for the project. No other party may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing.

6. PROPERTY DESCRIPTION

The following is a description of the Property, current uses and conditions of the Property, and current uses of the adjoining sites.

6.1 Property Location and Legal Description

The Property was located along the east side of North Main Street, between Summit Street and Felch Street. The tax identification numbers for the eight parcels located on the Property are as follows: 09-09-20-412-010; 09-09-20-412-009; 09-09-20-412-008; 09-09-20-412-006; 09-09-20-412-005; 09-09-20-412-004; 09-09-20-412-003 and 09-09-20-412-002. The legal descriptions of the parcels are contained in Section 22.4.

6.2 Property and Vicinity Characteristics

The Property consisted of 1.07 acres of land developed with eight residential dwellings. The remainder of the Property was developed with landscaping and asphalt and gravel parking. The Property was surrounded by residential dwellings to the north, east and south and commercial buildings to the northwest and west. A Property Features Diagram was developed from the observations, field notes, photographs, and/or historical information and is included as Figure 2 in Section 22.1.

6.3 Current Use of the Property

The Property was used for residential purposes.

6.4 Descriptions of Structures, Roads, Other Improvements on the Property

Eight residential dwellings were present on the Property. Each dwelling consisted of two floors and a basement. The dwellings were heated by natural gas fired forced air furnaces located in the basement. The dwellings also included natural gas fired water heaters located in the basements. The dwellings were cooled with window mounted electric air conditioning units. An outdoor central air conditioning unit was used to cool the dwelling located at 630 North Main Street.

Natural gas and electrical service were provided by DTE Energy. Municipal sanitary and storm sewer and water services were provided by the City of Ann Arbor.

6.5 Current Uses of the Adjoining Sites

Direction	Name/Address	Activity
North	Summit Party Shoppe/730 North Main Street	Party store
Northeast	NA	Residential Dwellings
East	701, 709, 711, 717 and 719 North 4 th Avenue	Residential Dwellings
South	622 North Main Street	Residential Dwelling
Southwest	City of Ann Arbor Community Center/625 North Main Street	Community Center
West	City Garage/721 North Main Street	Parking Lot
Northwest	110, 112 and 116 East Summit Street	Residential Dwellings

7. USER PROVIDED INFORMATION

The User of this Phase I ESA provided information about the following issues in support of the all appropriate inquiry into environmental conditions on the Property:

- Environmental cleanup liens and activity/use limitations (AULs) recorded for the property;
- Specialized knowledge and experience of the User indicative of potential RECs associated with the Property;
- Relationship of purchase price to market value;
- Commonly known or reasonably ascertainable information about environmental conditions on the Property; and
- Presence or Likely Presence of Contamination at the Property.

The User information was provided through completion of the **User Questionnaire** attached in Section 22.6.

7.1 Environmental Liens or Activity and Use Limitations

No recorded environmental cleanup liens or AULs related to the Property were reported by the User. SME reviewed a list titled *Remediation and Redevelopment Division Perfected Lien List*, dated December 22, 2009, obtained from the Michigan Department of Environmental Quality (MDEQ) web site. According to the web site, the information provided represents the most current publicly accessible list of properties associated with state environmental liens. As of the date of this list, no environmental liens were associated with the Property.

7.2 Specialized Knowledge and Experience

The User reported having no specialized knowledge or experience that would indicate, or create suspicion of, the presence of environmental contamination on the Property. Specialized knowledge or experience includes familiarity with historical activities on the Property that could result in environmental impact, personal knowledge or experience that would indicate a risk of environmental impact associated with past Property uses, knowledge of the environmental history of the Property, and any other information that could indicate environmental impact or threat of environmental impact on the Property.

7.3 Relationship of Purchase Price to Fair Market Value

Historically, environmentally contaminated properties often have been sold at prices below market value to entice buyers to acquire the property, contamination, and resultant liabilities; therefore, if a property's sale price is significantly below market value without any obvious impairments or reasons for the reduced price, the potential for environmental impact as a cause of the reduced price must be evaluated.

The User reported that the purchase price of the Property reflected fair market value. The purpose of this Phase I ESA was to pursue financing options for the purpose of development on the Property.

7.4 Commonly Known or Reasonably Ascertainable Information

The User reported that he has not become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated or that any past event could have resulted in environmental impact of the Property or adjoining properties.

7.5 Presence or Likely Presence of Contamination

The User reported that he has not become aware of any obvious indicators that point to the presence or likely presence of contamination at the Property.

8. RECORDS REVIEW

8.1 Standard Environmental Record Sources

SME retained Environmental Data Resources (EDR) to query the following state, federal, and tribal regulatory agency lists of environmental sites to identify regulated and/or environmentally impacted sites within the specified approximate minimum search distances:

1. **United States Environmental Protection Agency (USEPA) Superfund National Priority List (NPL), 1-mile search distance. (NPL)**
2. **USEPA Superfund Delisted National Priority List (NPL), 1/2-mile search distance. (NPL)**
3. **USEPA Superfund Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Hazardous Waste Sites, 1/2-mile search distance. (CERCLIS)**
4. **USEPA Superfund CERCLIS Archive No Further Remedial Action Planned (NFRAP) Sites, 1/2-mile search distance. (CERCLIS-NFRAP)**
5. **Federal Resource Conservation and Recovery Information System (RCRIS) Corrective Action (CORRACTS) Facilities List, 1-mile search distance. (CORRACTS)**
6. **USEPA RCRA Treatment Storage and Disposal (TSD) Facilities List, 1/2-mile search distance. (RCRA-TSD)**
7. **USEPA Federal Resource Conservation and Recovery Act of 1976 (RCRA) Large Quantity Generators (LQG) and Small Quantity Generators (SQG) List for Michigan, Property and adjoining sites. (RCRA-SQG / RCRA-LQG)**
8. **Federal Institutional Control/Engineering Control Registries, Property only.**
9. **USEPA Emergency Response Notification System (ERNS) List, Property only. (ERNS)**
10. **State/Tribal Sites of Environmental Contamination, 1-mile search distance (Part 201/Tribal Contaminated Site)**
11. **State/Tribal Solid Waste Landfills; 1/2-mile search distance. (State/Tribal Landfill)**

12. **State/Tribal Open and Closed Leaking Underground Storage Tank (LUST) Sites, 1/2-mile search distance. (State/Tribal Open LUST/Closed LUST)**
13. **State/Tribal Registered USTs, Property and adjoining sites. (State/Tribal Registered UST)**
14. **State/Tribal Institutional Control/Engineering Control Registries, Property only.**
15. **State/Tribal Voluntary Cleanup Sites, 1/2 mile search distance.**
16. **State/Tribal Brownfield Sites, 1/2 mile search distance.**
17. **MDEQ Baseline Environmental Assessment (BEA) List, Property and adjoining sites. (BEA)**

These information sources were available unless otherwise noted above. The EDR report includes site maps indicating the location of these listed sites relative to the Property, and dates the lists were updated. The EDR report is included in Appendix 22.5.

A summary of listed sites determined by SME to be suspect RECs (sites of concern) is presented in the table included in this subsection. Based on the distance from the Property, the subsurface conditions (clay), and the assumed groundwater flow direction (north), the remaining sites do not appear to represent RECs in connection with the Property.

Unmapped sites, as identified by EDR, are sites, which for various reasons cannot be mapped through the EDR query system. Where possible, SME attempted to locate the unmapped sites reported by EDR.

TABLE OF LISTED SITES (SUSPECT RECS)

Site Name and Address	Approximate Distance and Direction from Property	Name of List
(former) City Garage 721 North Main Street	Approximately 140 feet west of the Property	Closed LUST, SQG and AST
Main and Summit 800 North Main Street	Approximately 120 feet north of the Property	Brownfield and UST

EDR sites are mapped by address. Distances and/or site directions listed above may be adjusted from those reported by EDR to better represent field conditions and potential site boundaries. Also, EDR sites that SME identified as outside the specified search radii, were omitted from the Table of Listed Sites.

The (former) City Garage site is located approximately 140 feet west of the Property, across North Main Street. According to the EDR Report, three underground storage tanks (USTs) were removed from the site between 1989 and 1995. The USTs were used to store used oil and diesel fuel. During the removal of the three USTs, a release was discovered. The MDEQ closed the site on January 5, 2005. According to the EDR Report, four above ground storage tanks (ASTs) were associated with the site. In addition, the site was also listed as a small quantity generator. According to the EDR Report, the (former) City Garage site generated more than 100 kilograms and less than 1,000 kilograms of hazardous waste per month.

Main and Summit is located approximately 120 feet north of the Property, across Summit Street. According to the EDR Report, four 500-gallon USTs are located on the site. The USTs are reportedly temporarily out of use. The EDR Report did not identify the product type stored in the USTs.

In SME's opinion, the potential for environmental impact from migration of hazardous substances and/or petroleum products onto the Property from the former City Garage and/or Main and Summit, represents a suspect REC in connection with the Property.

8.2 Additional Environmental Record Sources

8.2.1 County Environmental Health Department

On December 14, 2009, SME contacted the Washtenaw County Environmental Health Department (WCEHD) via facsimile and telephone and requested information maintained by the department pertaining to environmental concerns associated with the Property and surrounding area, including information on septic systems and water wells, if any, located at the Property. On December 21, 2009, SME received a response, via telephone, from Ms. Anita Heath with the WCEHD indicating that no records were available for the Property.

8.2.2 Fire Department

On December 14, 2009, SME contacted the City of Ann Arbor Fire Department, via telephone, and requested records associated with the Property and surrounding sites. On December 17, 2009, SME received a letter from the City of Ann Arbor Community Services, indicating that no fire department records exist for the Property. The letter from the City is included in Appendix 22.5.

On December 22, 2009, SME contacted Fire Marshall Kathleen Chamberlain, with the City of Ann Arbor Fire Department, regarding the historical heating source for residential dwellings in Ann Arbor. According to Ms. Chamberlain, there were no records available that

would indicate how the dwellings were historically heated. However, Ms. Chamberlain believed that coal may have been used to heat residential dwellings in Ann Arbor prior to natural gas.

8.2.3 MDEQ Geological Survey Division

SME queried the MDEQ-Geological Survey Division's (GSD) Oil and Gas Information System – Online Data Query for oil and gas permits/wells for the Property's township, range and section number. According to the December 17, 2009, query results, no known oil and/or gas well permits were recorded for the Property Section number.

8.2.4 Other Record Sources

SME reviewed an April 10, 2009, Boring Location Diagram prepared by NTH Consultants, Ltd and an analytical laboratory report for samples collected from the Property. Two soil borings were reportedly conducted at the Property and five surface samples and two groundwater samples were reportedly collected. The samples were analyzed for volatile organic compounds (VOCs) and 10 Michigan Metals. Arsenic and lead in soil and groundwater were measured above MDEQ Part 201 Generic Residential Direct Contact Criteria and Drinking Water Protection Criteria. The presence of arsenic and lead concentrations in soil and groundwater at the Property above MDEQ Part 201 Generic Residential Cleanup Criteria represents a suspect REC in connection with the Property.

8.3 Physical Setting Sources

8.3.1 USGS – Current 7.5 Minute Topographic Map

SME reviewed a United States Geological Survey (USGS) topographic map (Ann Arbor East and West Quadrangle, dated 1965) to evaluate the physical setting of the Property. The Property was depicted as relatively flat with an average elevation of approximately 800 feet above mean sea level (MSL). The Property was depicted in built-up area. Ann Arbor Railway was depicted approximately one-fifth mile west and north of the Property. A wooded area was depicted approximately one-quarter mile north of the Property. The Huron River was depicted approximately one-quarter mile northeast of the Property. No other bodies of water were depicted within a one-mile radius of the Property.

8.3.2 Other Non-Standard Physical Setting Sources

SME reviewed a Rezoning and Site Plan, dated December 29, 2008, prepared by Midwestern Consulting to further evaluate the physical setting of the Property. The Plan depicted topographic contours of the Property. Elevations appeared to highest on the south portion of the Property (800') and lowest on the north portion of the site (775').

In 2004, SME conducted 10 soil borings approximately one block south of the Property. The subsurface profile at this site generally consisted of approximately four to eight feet of sand fill underlain by natural silty and sandy clay. The natural clays were encountered to depths of approximately 42 to 47 feet below the existing ground surface. Interbedded natural sand and/or silt layers were encountered in the natural clay stratum. Groundwater was encountered from approximately 6.5 to 50 feet below the existing ground surface.

8.4 Historical Use Information on the Property

SME conducted a review of the history of use of the Property, at intervals defined by ASTM, from the present back to the obvious first developed use of the Property or to 1940, whichever was earlier. For purposes of this section, "developed use" includes agricultural uses and placement of fill. The information reviewed was from reasonably ascertainable standard sources, defined in the Standard as publicly available, obtainable from its source within reasonable time and cost constraints, and practicably reviewable.

Data failures encountered, as defined by ASTM, are described under each appropriate standard historical source. ASTM requires review of only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful. Descriptions of ASTM standard historical sources, along with an indication of whether the sources were reviewed, are listed below.

8.4.1 Aerial Photographs

Aerial photographs are taken from an aerial platform at altitudes that allow identification of development and activities. Review of aerial photography is useful in identifying property features including building location and size, land usage, and RECs such as exposed soils, mounding, and debris deposition. The quality and scale of the aerial photographs limited SME's ability to make detailed observations and conclusions concerning historical uses of the Property and adjoining sites. SME reviewed aerial photographs, obtained from EDR, dated 1937, 1940, 1949, 1955, 1963, 1969, 1978, 1985, 1992, 2000 and 2006. Copies of the aerial photographs are included in Section 22.4.

8.4.2 Fire Insurance Maps

Private companies produce fire insurance maps. Fire insurance maps indicate uses of properties at specified dates, and were created to document fire prevention hazards for urban areas. Sanborn[®] Fire Insurance Maps typically indicate type of building materials and property usage. The maps might also include UST, AST, and flammable material storage locations. SME obtained Sanborn Fire Insurance Maps of the Property area for the years 1916, 1925, 1931, 1948 and 1972 from EDR. Copies of the Sanborn Maps are included in Appendix 22.4.

8.4.3 Property Tax Files

Property tax files are maintained for property tax purposes by the local jurisdiction where the property is located and may include records of past ownership, appraisals, maps, sketches, photographs, or other information pertaining to the Property. On December 18, 2009, SME visited the City of Ann Arbor Assessments Department, provided a representative with the Property address and requested records pertaining to the Property. SME reviewed the provided records, which included a tax assessment sheets and parcel maps of the Property. Copies of the Property tax assessment sheets are included in Section 22.4.

8.4.4 Recorded Land Title Records

Land title records include records of fee ownership, leases, land contracts, easements, liens, and other encumbrances on or of a property. Land title records are recorded in the place where land title records, by law or custom, are recorded for the local jurisdiction in which a property is located. Typically, the municipal or county recorder or clerk maintains these records. Information about the title to a property that is recorded in any place other than where land title records are, by law or custom, recorded for the local jurisdiction in which the property is located, are not considered part of the recorded land title record. Land title records are separate from the environmental liens and AULs discussed in the User section.

SME did not review land title records of the Property because information regarding the history of the Property was obtained from other historical sources identified herein. In addition, land title records typically provide information regarding ownership, but not use, of a property.

8.4.5 USGS Topographic Maps

SME reviewed the USGS 7.5 minute series Topographic Maps Ann Arbor East and West Quadrangle, Michigan, compiled in 1965.

8.4.6 Local Street Directories

Local street directories are published by public and private sources and show occupancy and/or use of properties by reference to street address. SME reviewed local Polk and Bresser's street directories for the years 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000 and 2009 at the State of Michigan Library in the city of Lansing.

8.4.7 Building Department Records

On December 18, 2009, SME visited the City of Ann Arbor Building and Planning Department, provided a department representative with the Property tax identification number, and requested available records pertaining to the Property. SME reviewed several buildings permits for the Property dating back to the 1950's.

8.4.8 Zoning/Land Use Records

Zoning ordinances, enacted by the local government, indicate the uses permitted by the local government in particular zones within the limits of its jurisdiction. Various local government offices, such as the Planning Department or Commission, maintain zoning/land use records. According to a March 2009 City of Ann Arbor Zoning Map, the Property was zoned O-Office.

8.4.9 Other Historical Sources

The term "other historical sources" refers to any source or sources other than standard historical sources that are credible to a reasonable person and that identify past uses of a property. This category includes miscellaneous maps, newspaper archives, and records or personal knowledge of a property owner or occupant. SME did not review other historical sources because sufficient information regarding the history of the Property was obtained from the aforementioned historical sources.

8.4.10 Historical Usage Summary

The following table presents a summary of historical usage of the Property based on the information collected from the sources outlined above.

HISTORICAL USAGE SUMMARY

Year	Use/Comment	Source
1900	Three residential dwellings were constructed on the Property.	Assessor's Department
1916 to present	Residential structures were present on the Property.	Sanborn Maps (1916, 1925, 1931, 1948 and 1972) Aerial Photographs (1937, 1940, 1949, 1955, 1963, 1969, 1978, 1985, 1992, 2000 and 2006) Local Street Directories (1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995, 2000 and 2009) Topographic Map (1965)

It appears the Property was used for residential purposes from at least 1900 to the present. SME was unable to determine the first developed use of the Property; this represents a data gap and is further discussed in Section 11. The historical use of the Property for residential purposes does not represent a REC in connection with the Property.

SME reviewed readily available and reasonably ascertainable records in an attempt to identify the historical heating source on the Property. No records were identified that suggested the use of heating oil or the former presence of a heating oil tank (AST or UST) at the Property.

The historical research reported above is sufficient to develop a history of the previous uses of the Property in order to help identify the likelihood of past uses having led to RECs in connection with the Property.

8.5 Historical Use Information on the Adjoining Sites

An attempt was made to assess the historical uses of the adjoining properties by reviewing records referenced in Section 5.4. A summary of adjoining sites of concern (suspect RECs), as identified only to the extent that this information was revealed in the course of researching the Property itself, is presented in the table below:

Year/Period	Identified/Inferred Use (Relationship to Property)	Source (Date)
1931 to 1995	Municipal Garage, 721 North Main Street/ Auto repair Approximately 140 feet west of the Property	Sanborn Maps (1931, 1948 and 1972) Local Street Directories (1950, 1995)
1948 to 1955	Robey Tire Service, 730 North Main Street/Auto repair Adjoining the Property to the north	Sanborn Map (1948) Local Street Directories (1955)
1931 to 1980	800 North Main Street/Filling Station Approximately 120 feet north of the Property	Sanborn Maps (1931, 1948, 1972) Local Street Directories (1950, 1960, 1970 and 1980)

9. SITE RECONNAISSANCE

The following is a description of the use and conditions of the interior and exterior portions of the Property likely to involve the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products. The site reconnaissance was used to obtain information that would identify the likelihood of RECs in connection with the Property.

9.1 Methodology and Limitations

On December 18, 2009, Mr. Jamie P. Buckingham of SME conducted a reconnaissance of the Property and observed Property conditions and features in an effort to identify RECs in connection with the Property. Mr. Buckingham was accompanied by Mr. Derrek Vorbeck, maintenance employee with McDonald Management, during the reconnaissance. Photographs taken during the reconnaissance, which illustrate observed Property conditions and surrounding areas, are contained in Appendix 22.3. The following limitation was encountered during site reconnaissance activities.

- SME did not have access to the basement of the residential dwelling located at 718 North Main Street.

9.2 General Property Setting

The Property was observed to be developed with eight residential dwellings. The Property was surrounded by residential dwellings to the northeast, east and south and commercial buildings to the west and southwest.

9.3 Exterior Observations

SME observed eight residential dwellings on the Property. Three of the dwellings were occupied and five were vacant. A storage shed was located on the eastern portion of the Property. SME observed an asphalt parking lot located on the northern portion of the Property. During the Property reconnaissance, SME observed no evidence of stained soils, pavements, or areas of stressed vegetation. In addition, SME observed no evidence of septic systems or supply wells on the Property.

9.3.1 Chemical Use and Storage

SME observed no use and/or storage of chemicals during the Property reconnaissance.

9.3.2 USTs/ASTs

SME observed no evidence of USTs or ASTs.

9.3.3 PCB Containing Equipment

SME observed no polychlorinated biphenyl containing equipment.

9.3.4 Pits, Ponds, and Lagoons

SME observed no visual evidence of pits, ponds, or lagoons on the Property.

9.3.5 Waste Generation, Treatment, Storage, and Disposal

SME observed no visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes, on the Property, with the exception of household waste located in trash bags near North Main Street.

9.3.6 Other Exterior Features

SME observed a cistern on the southern portion of the Property, next to a dwelling. The cistern was covered with a concrete pad. A second cistern was observed on the central portion of the Property and according to Mr. Vorbeck, the cistern was filled in with bricks. According to Mr. Vorbeck, the cisterns are no longer used. In SME's opinion, the cisterns do not represent RECs in connection with the Property.

SME also observed concrete pads located on the southern and northern portions of the Property. The concrete pads appeared to be associated with a former shed and/or garage. No staining and/or stressed vegetation was observed around the concrete pads. In SME's opinion, the concrete pads do not represent suspect RECs in connection with the Property.

9.4 Interior Observations

The dwellings consisted of two stories and a basement. The dwellings typically included a living room, kitchen, dining space, hallway, bathroom, and two or three-bedrooms. Patio chairs, a grill and wood were stored in the shed.

9.4.1 Chemical Use and Storage

SME observed typical household cleaning and maintenance supplies such as paint, caulk and paint thinner stored in small containers (less than five-gallons) on the concrete floor and wooden shelves in the basements of the dwellings. No staining was observed on the floor beneath or in the vicinity of the above referenced containers. The storage and use of the above

referenced materials are considered a *de minimis* condition and do not represent a REC in connection with the Property.

9.4.2 USTs/ASTs

SME observed a 250-gallon heating oil AST in the basement of 626 North Main Street. The AST was stored on the concrete floor and no staining was observed on the floor beneath the AST. The AST was empty and no longer used for heating purposes. In SME's opinion, the 250-gallon AST represents a suspect REC in connection with the Property.

9.4.3 PCB Containing Equipment

SME did not observe electrical transformers, capacitors or compressors during the interior site reconnaissance that were suspected to contain PCBs.

9.4.4 Drains and Sumps

SME observed floor drains in the basements of 626 and 712 North Main Street. A sump pump was also located in the basement of 712 North Main Street. Mr. Vorbecks reported the floor drains and the sump pump were connected to sanitary sewer. No staining was observed around the floor drains or the sump pump.

9.4.5 Waste Generation, Treatment, Storage, and Disposal

SME observed no visual evidence of the generation, treatment, storage, or disposal of liquid or solid wastes, within the buildings, with the exception of household waste baskets.

9.4.6 Heating/Cooling

The dwellings were heated by natural gas fired forced air furnaces. Hot water was provided by natural gas fired water heaters. The dwellings were cooled with window mounted electric air conditioning units. An outdoor central air conditioning unit was used to cool the dwelling located at 630 North Main Street.

9.4.7 Other Interior Features

No other interior features were observed that represent suspect RECs in connection with the Property.

9.5 Adjoining Sites Observations

Direction	Name/Address	Activity
North	Summit Party Shoppe/730 North Main Street	Party store
Northeast	NA	Residential Dwellings
East	701, 709, 711, 717 and 719 North 4 th Avenue	Residential Dwellings
South	622 North Main Street	Residential Dwelling
Southwest	City of Ann Arbor Community Center/625 North Main Street	Community Center
West	Former City Garage/721 North Main Street	Parking Lot
Northwest	110, 112 and 116 East Summit Street	Residential Dwelling

10. INTERVIEWS

As part of the conduct of this Phase I ESA, SME interviewed the following pertinent individuals other than the User of this report:

- Current Property owner's representative -- Mr. Bill Godfrey, Terraces on Main, LLC
- Current site Manager- Mr. Derrek Vorbeck- McDonald Management
- State and/or local government officials – Ms. Anita Heath, Washtenaw County Environmental Health Department

10.1 Interview with Owner

Concurrent with the Property reconnaissance, SME interviewed Mr. Godfrey by questionnaire seeking the following information:

- Whether Mr. Godfrey knew of existence of environmental reports and permits; UST, AST, and underground injection system registrations; material safety data sheets; community right-to-know plans; safety and spill prevention plans; hydrogeologic reports; notices of past or current violations of environmental laws; hazardous waste generator notices or reports; geotechnical studies; risk assessments; and, recorded activity and use limitations.
- If Mr. Godfrey had knowledge regarding historical use, occupants, and operations.
- Whether Mr. Godfrey knew of any pending, threatened, or past litigation and/or administrative proceedings; or governmental notices regarding any possible violation of environmental laws or possible liability related to hazardous substances or petroleum products in, on, or from the Property.

Mr. Godfrey had no knowledge related to the above issues. A copy of MSHDA's Seller's Environmental Questionnaire and Disclosure Statement, completed by Mr. Godfrey, is included in Appendix 22.6.

10.2 Interview with Site Manager

On December 18, 2009, SME was accompanied by Mr. Vorbeck during the site reconnaissance. SME interviewed Mr. Vorbeck regarding the historical use of the Property and the historical heating source prior to natural gas installation. According to Mr. Vorbeck, the Property was used for residential purposes "for as long as he could remember." Mr. Vorbeck did not know if heating oil was used prior to natural gas. In addition, Mr. Vorbeck was unaware of environmental violations in connection with the Property.

10.3 Interviews with Occupants

At the time of the site reconnaissance, three of the dwellings were occupied and five were vacant. During the reconnaissance of the occupied dwellings, the residents were not available for interview.

10.4 Interviews with Local Government Officials

On December 21, 2009, SME received a phone call from Ms. Anita Heath with the WCEHD. According to Ms. Heath, no records were available pertaining to environmental concerns associated with the Property and surrounding area.

On December 22, 2009, SME contacted a representative with the City of Ann Arbor Fleet Services in regards to the use of ASTs at 721 North Main Street (City Garage). According to the representative, the (former) City Garage was shut down three years ago and the ASTs were removed from the site.

10.5 Interviews with Others

No other interviews were performed as part of this Phase I ESA.

11. FINDINGS

SME has completed a Phase I ESA of the Property located along the east side of North Main Street, between Summit Road and Felch Street, in the city of Ann Arbor, Washtenaw County, Michigan. Data failures, data gaps, and limitations identified during this Phase I ESA are discussed below. Based on the results of the Phase I ESA, the following suspect RECs were identified in connection with the Property:

- Soil and groundwater samples were collected from the Property and analyzed for VOCs and 10 Michigan Metals in April 2009. Concentrations of arsenic and lead were measured in soil and groundwater above Part 201 Generic Residential Cleanup Criteria (Section 8.2.4). In SME's opinion, the presence of arsenic and lead at concentrations of MDEQ Part 201 Generic Residential Cleanup Criteria represents a REC in connection with the Property.
- SME observed a 250-gallon AST in the basement of 626 North Main Street (Section 8.4.10 and 9.4.2). No records were identified that suggested the use of heating oil or the former presence of a heating oil tank (AST or UST) at the Property. However, heating oil was historically and commonly used in Southern Michigan for heating during the early to mid 1900s or prior to the accessibility of publicly available natural gas utilities. Although heating oil may have been stored in the AST, SME observed no staining on the concrete floor beneath the AST and the AST appeared to be empty. In SME's opinion, the presence of a 250-gallon AST does not represent a REC in connection with the Property.
- The west (721 North Main Street) adjoining site was listed as a Closed LUST and AST site (Section 8.1 and 8.5). Based on review of historical records this site was a City Garage from at least 1931 to the late 1990's. During removal of three USTs a release was discovered. In addition, four ASTs were historically used at the site. In SME's opinion the site does not represent a REC for the following reasons:
 - The site is approximately 140 feet west from the Property, across Main Street;
 - Utilities present below Main Street could intercept contamination migrating across Main Street;
 - The site is topographically downgradient from the Property; and
 - The general soil profile in the area of the Property is clay which reduces the likelihood of contaminant migration.

- Main and Summit (800 North Main Street) is located approximately 120 feet north of the Property and is listed as a UST site (Section 8.1 and 8.5). Based on review of historical records this site was a former filling station from at least 1931 to the 1980's. Four 500-gallon USTs are currently located at the site. In SME's opinion the site does not represent a REC for the following reasons:
 - The site is approximately 120 feet west from the Property, across Summit Street;
 - Utilities present below Summit Street could intercept contamination migrating across Summit Street;
 - The site is topographically downgradient from the Property; and
 - The general soil profile in the area of the Property is clay which reduces the likelihood of contaminant migration.
- Robey Tire Service (730 North Main Street) historically adjoined the Property to the north (Section 8.5). Based on review of historical records this site was a former auto repair shop from at least 1948 to approximately 1955. In SME's opinion, the potential for environmental impact from migration of hazardous substances and/or petroleum products onto the Property from the former auto repair shop (730 North Main Street) represents a REC in connection with the Property.

SME identified one data gap in connection with the Property;

- SME was unable to determine the first developed use of the Property prior to 1900.

Based on the historical development pattern in the area of the Property, it is unlikely the Property was developed for uses other than residential or agricultural prior to 1895. In addition, because SME was able to obtain information regarding the historical uses of the Property, the above data gaps did not impair our ability to identify RECs in connection with the Property.

SME did not have access to the basement of the residential dwelling located at 718 North Main Street which represents a limitation. However, due to the historical and current use of the Property, in SME's opinion, this limitation did not limit our ability to identify RECs in connection with the Property.

12. OPINION

12.1 Opinion

In SME's opinion, the following RECs were identified in connection with the Property:

- The presence of arsenic and lead measured in soil and groundwater at the site at concentrations above MDEQ Part 201 Generic Residential Cleanup Criteria (Section 8.2.4).
- The potential for environmental impact from unreported and/or undetected migration of hazardous substances and/or petroleum products onto the Property from the north-adjointing former auto repair shop (Section 8.5).

12.2 Additional Investigation

To assess the identified RECs in connection with the Property, SME recommends additional subsurface sampling on the Property.

12.3 Data Gaps

In SME's opinion no data gap was identified in the course of this Phase I ESA that would impair the identification of RECs in connection with the Property.

13. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Property located along the east side of North Main Street, between Summit Road and Felch Street, in the city of Ann Arbor, the property. Any exceptions to, or deletions from, this practice are described in Section 5.4 of this report. This assessment has revealed no evidence of recognized environmental conditions or negative site impacts in connection with the property with the exception of the following:

- The presence of arsenic and lead measured in soil and groundwater at the site at concentrations above MDEQ Part 201 Generic Residential Cleanup Criteria (Section 8.2.4).
- The potential for environmental impact from unreported and/or undetected migration of hazardous substances and/or petroleum products onto the Property from the north-adjointing former auto repair shop (Section 8.5).

In SME's opinion no data gap or limitation was identified in the course of this Phase I ESA that would impair the identification of RECs in connection with the Property.

14. MSHDA SELLER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

A discussion of the Seller's disclosure statement is in Section 10 of this report.

15. MSHDA USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

A discussion of the User's disclosure statement is in Section 7 of this report.

16. MSHDA NON-SCOPE SERVICES DISCUSSION

16.1 Friable and Non-friable Asbestos Containing Materials (ACMs)

At the request of the sponsor, SME did not perform an asbestos assessment at this time. However, SME will assist the sponsor with an asbestos assessment prior to demolition of the buildings.

16.2 Lead-Based Paint

At the request of the sponsor, SME did not perform a lead-based paint assessment at this time. However, SME will assist the sponsor with a lead-based paint assessment prior to demolition of the buildings.

16.3 Formaldehyde Insulation

The presence of formaldehyde insulation was not observed during the reconnaissance.

16.4 Radon Gas

The Property is located in Washtenaw County. MSHDA requires documentation of specific radon mitigation measures for properties in Washtenaw County. Because the buildings will be demolished, SME did not perform a radon assessment.

16.5 Floodplains

SME reviewed the online Federal Emergency Management Agency (FEMA) flood map database for the Property and surrounding area (Community Panel Number 260213 0005 D) dated January 2, 1992. The Property was depicted in flood plain Zone AE and Zone X. Zone AE is reported to have base flood elevations determined. Zone X is reported as the area between limits of the 100-year and 500-year flood. A copy of the map is included in Section 22.7.

16.6 Wetlands

SME reviewed a United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Map, for the area of the Property obtained from the USFWS online Wetlands mapper website on December 15, 2009. According to the NWI map, no wetlands were depicted on the Property. A copy of the NWI map is included in Section 22.7. Furthermore, SME did not observe evidence of potential wetlands during the site reconnaissance.

16.7 EMF

SME observed no visual evidence of high voltage power lines during the Property reconnaissance. In addition, On December 30, 2009, SME contacted Ms. Barbara Mention, Senior Property Management Specialist with ITC Transmission, in regards to high power transmission lines (60 kV and higher) on or in close proximity to the Property. According to Ms. Mention, there are no high power voltage power lines on or in close proximity to the Property.

16.8 High Pressure Buried Gas Lines

On December 23, 2009, SME received a Gas Main Print of the Property and surrounding area, from Mr. Neal Lauri, Senior Drafter for DTE Energy/MichCon Gas. According to the print, an 8-inch diameter, high-pressure gas main is located along West Summit and North Main Street, approximately 120 feet northwest of the Property. Because the Property is located within 1,000 feet of a buried high-pressure gas main, SME recommends contacting MSHDA for site-specific instructions for determining acceptable setback distances.

16.9 Noise Analysis

SME identified a rail line (Ann Arbor Railroad) located approximately 460 feet west and 600 feet north of the Property. SME completed a noise assessment worksheet to determine the day/night sound level (DNL) of the rail line. The total DNL for the rail line was less than 58 decibels, which is acceptable. Worksheet D is included in Section 22.7.

16.10 Compliance with Activity and Use Limitations (AULs)

No AULs were identified for the Property during the course of this Phase I ESA.

16.11 Assessment of Potential Vapor Intrusion Conditions

To assess the potential Vapor Intrusion Conditions (pVIC) on the Property and surrounding area, SME completed the Tier I and non-invasive Tier II components of the ASTM E 2600-08 Standard Practice. Based on the results of the non-invasive Tier II screening, the north adjoining former auto repair site represents a pVIC. For more information regarding the pVIC please refer to Section 8.5. To assess the pVIC, SME recommends completing an invasive Tier II investigation.

17. DEVIATIONS

No deviations occurred as part of this Phase I ESA.

18. ADDITIONAL SERVICES

No additional services, other than those discussed in Section 16, were provided as part of this Phase I ESA.

19. REFERENCES

American Society for Testing and Materials (ASTM), **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process**, November 1, 2005.

20. ENVIRONMENTAL PROFESSIONAL STATEMENT AND SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



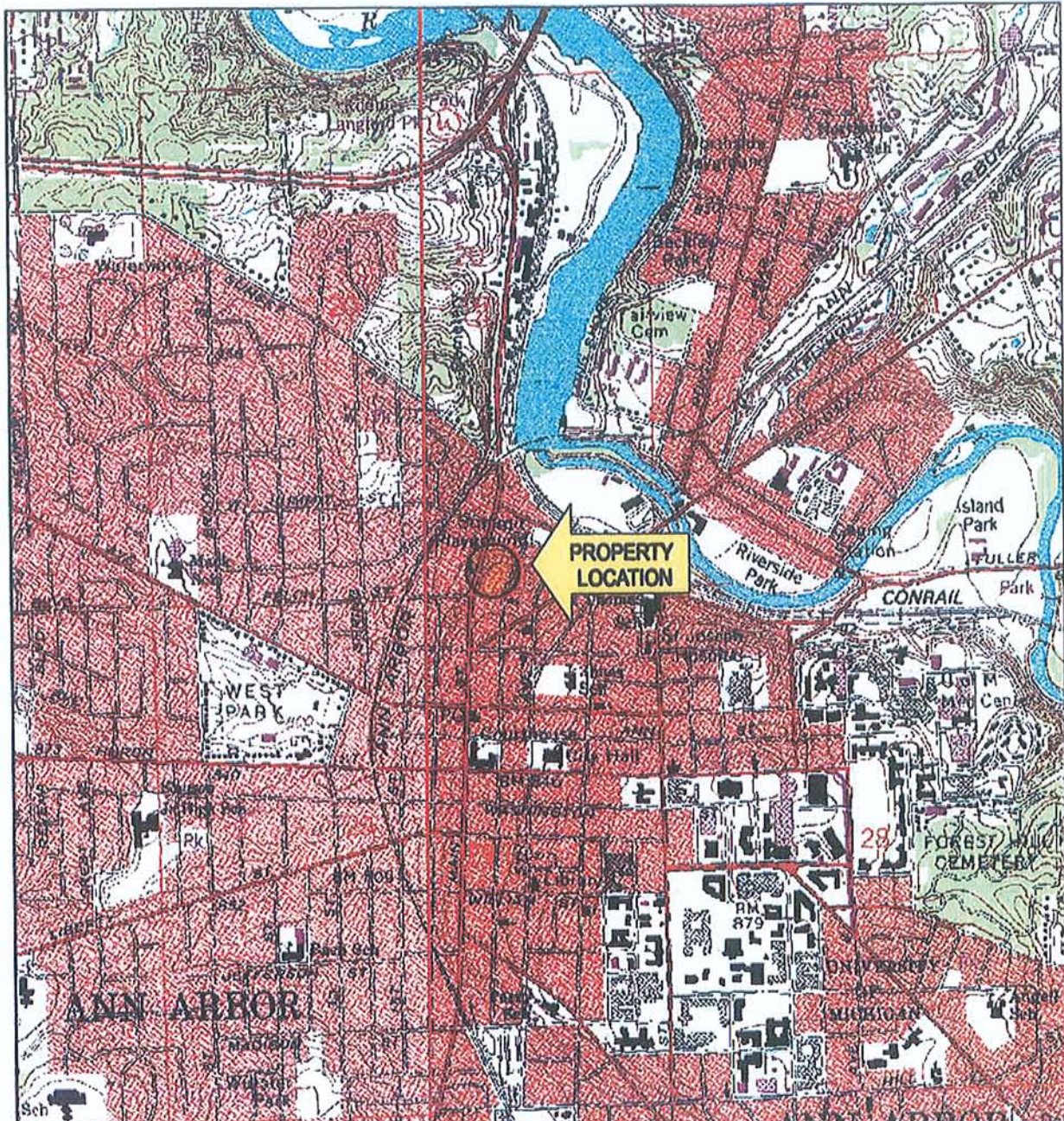
Daniel R. Cassidy, CPG
Project Manager

21. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Resumes are included in Section 22.9.

22. APPENDICES

22.1 Property (Vicinity) Map and Property Features Diagram



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 600 ft Scale: 1 : 20,000 Detail: 13-2 Datum: WGS84



QUADRANGLE LOCATION

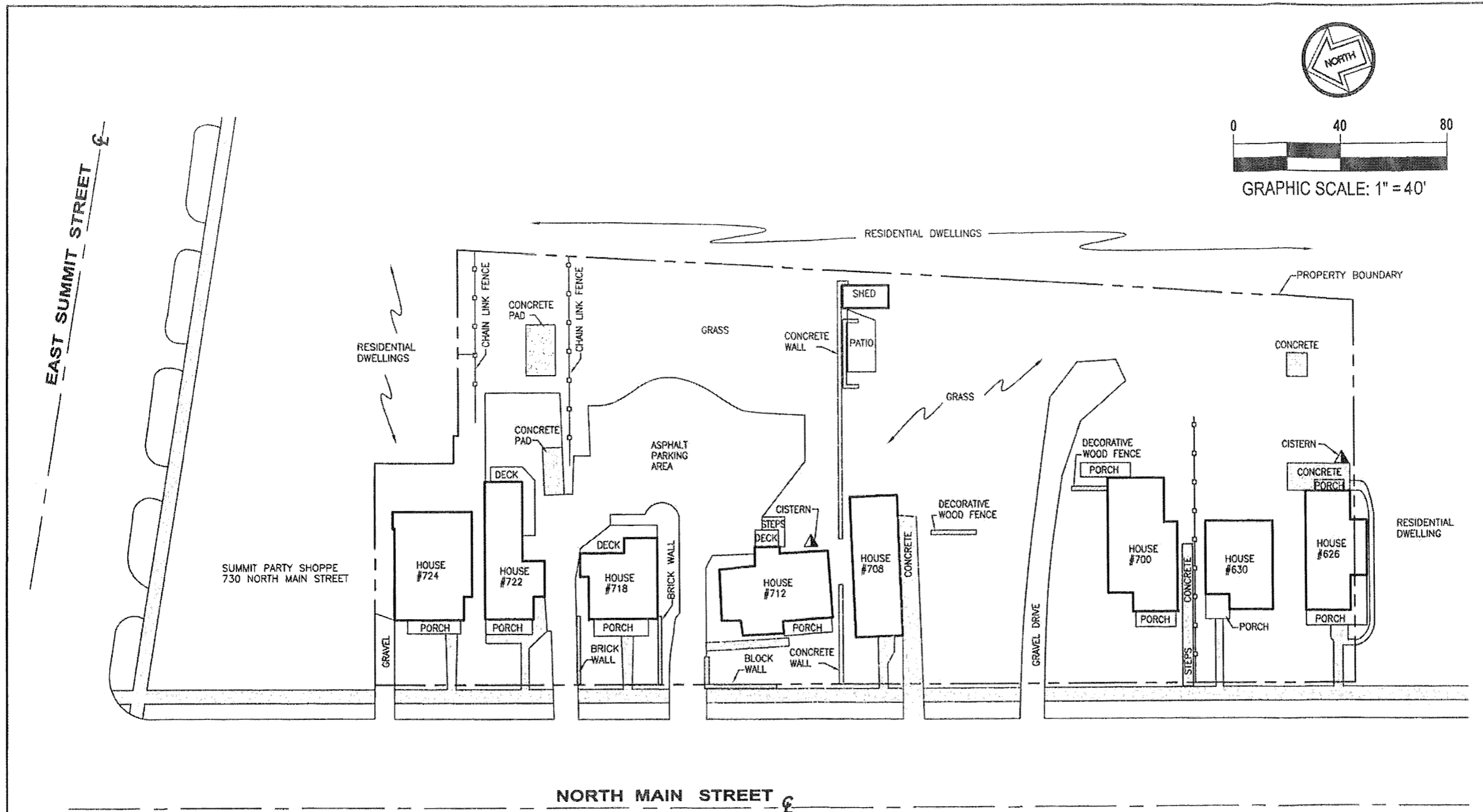
ANN ARBOR EAST QUADRANGLE (1983)
WASHTENAW COUNTY, MICHIGAN



bay city
grand rapids
indianapolis
kalamazoo
lansing
plymouth
shelby
toledo
traverse city

Date: 12-21-09
Drawn By: JAB
Scale: AS SHOWN
Project: PE60262A-01

**PROPERTY LOCATION MAP
NEAR NORTH
ANN ARBOR,
WASHTENAW COUNTY, MICHIGAN**



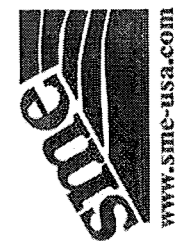
No.	Revision Date

**PROPERTY FEATURES DIAGRAM
NEAR NORTH
ANN ARBOR, WASHTENAW COUNTY, MICHIGAN**

Date	12-21-09
Drawn By	JAB
Designed By	JPB
Scale	1" = 40'
Project	PE60262A-01

- plymouth
- bay city
- grand rapids
- indianapolis
- kalamazoo
- lansing
- shelby twp.
- toledo
- traverse city

Dec 21, 2009 - 3:07pm - jblake
R:\Plymouth_dwg\PE60262A-01\60262A-01_02.dwg

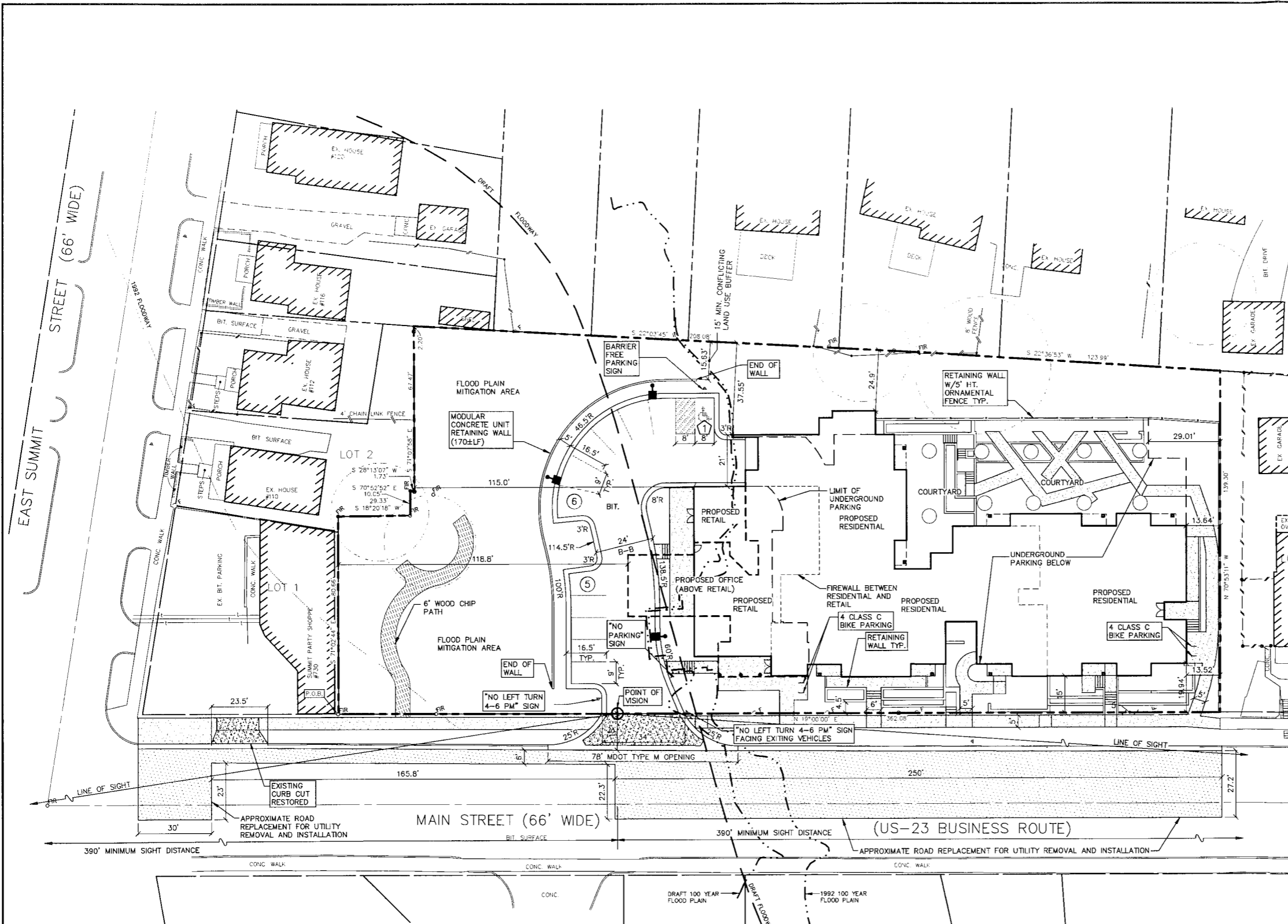


www.sme-usa.com

NOTE:
DRAWING INFORMATION TAKEN FROM A PLANNED UNIT DEVELOPMENT REZONING AND SITE PLAN
DRAWING (LATEST REVISED DATE 9-9-09) PREPARED BY MIDWESTERN CONSULTING.

Figure No. 2

22.2 Development Site Plan



SCALE: 1" = 20'
0 20 40 60



LEGEND

- ⬢ PROPOSED SIGN
- ⬢ PROPOSED LIGHT POLES
- ⬢ SINGLE TREE
- ⬢ LANDMARK TREE
- ⬢ PROPOSED FENCE
- ⬢ PROPOSED CONC WALK (4")
- ⬢ PROPOSED MDOT BIT DRIVEWAY MIX
- ⬢ PROPOSED BIT MDOT MAIN ST. SECTION
- ⬢ PROPOSED 9'x18' PARKING SPACE
- ⬢ PROPOSED 8'x18' BARRIER FREE PARKING SPACE

NOTES

1. REFUSE TO BE STORED INSIDE THE BUILDING & BE WHEELED OUT TO THE CURB FOR PUBLIC PICKUP.
2. ALL DIMENSIONS ARE BACK-OF-CURB TO BACK-OF-CURB UNLESS OTHERWISE NOTED.
3. REAR SETBACK IS 24.9' PER PLAN.
4. SIGHT DISTANCE:
N. MAIN ST. SPEED LIMIT = 30 MPH
SIGHT DISTANCE REQUIRED/PROVIDED = 390' MIN.
5. CONSTRUCTION EASEMENT TO BE PROVIDED FOR WORK ON 622 N. MAIN STREET SITE.
6. "NO LEFT TURN 4-6pm" SIGNS TO BE MDOT R3-2.

MIDWESTERN CONSULTING
Civil, Environmental and Transportation Engineers
3815 Plaza Drive
Ann Arbor, MI 48106
Phone: 734.985.0200
Fax: 734.995.0599

CLIENT
NEAR NORTH LIMITED DIVISION H.A.L.P.
P.O. BOX 8307
ANN ARBOR, MI 48107-8307
(734) 214-1600

NEAR NORTH
PLANNED UNIT DEVELOPMENT
REZONING AND SITE PLAN
DIMENSIONAL SITE PLAN

SP3

TRAFFIC IMPACT:

THE CURRENT DEVELOPMENT PROGRAM WILL GENERATE ENOUGH TRIPS DURING THE PEAK HOUR PERIODS TO MEET THE STATE AND CITY THRESHOLDS FOR REQUIRING A TRAFFIC STUDY.

NORTH MAIN STREET IS A STATE BUSINESS ROUTE AND IS UNDER MDOT JURISDICTION. MDOT HAS REVIEWED THE PLANS AND WAIVED THE REQUIREMENT FOR A TRAFFIC STUDY "DUE TO GEOMETRIC CONSTRAINTS."

THE CITY OF ANN ARBOR, HOWEVER, HAS REQUESTED A TRAFFIC STUDY. MITIGATION MEASURES SUCH AS SIGNAL TIMING CHANGES MAY BE REQUIRED. THE TRAFFIC STUDY WILL FOLLOW UNDER SEPARATE COVER.

ADC REVISION SUBMITTAL ADDENDUM	9-09-08
JOB No.	08208
DATE	12-28-08
SHEET	2 OF 14
REV. DATE	REV. DATE
1-21-09	1-21-09
2-23-09	2-23-09
3-20-09	3-20-09
8-11-09	8-11-09
9-1-09	9-1-09
STAFF: MDL, WDC	DATE: FGA/WJ
REV. PER CITY & OWNER	ENG: EAW
REV. PER CITY & OWNER	PM: EFO
REV. PER CITY & OWNER	SITE: VCB/SBSP
REV. PER CITY	TRF: JAB

22.3 Photographs



PHOTO NO. 1: The Property, standing on the west side of North Main Street, facing southeast.



PHOTO NO. 2: The Property, standing on the southern portion of the Property facing north.

SME Project Number:	PE60262A-01
Photographs by:	Jamie P. Buckingham
Date:	December 18, 2009
Project:	Near North
Location:	Ann Arbor, Washtenaw County, Michigan



PHOTO NO. 3: An asphalt parking lot, located on the northern portion of the Property.



PHOTO NO. 4: A cistern, located on the southwest corner of residential dwellings (626 North Main Street).

SME Project Number:	PE60262A-01
Photographs by:	Jamie P. Buckingham
Date:	December 18, 2009
Project:	Near North
Location:	Ann Arbor, Washtenaw County, Michigan



PHOTO NO. 5: A 250-gallon aboveground storage tank, located in the basement of 626 North Main Street.

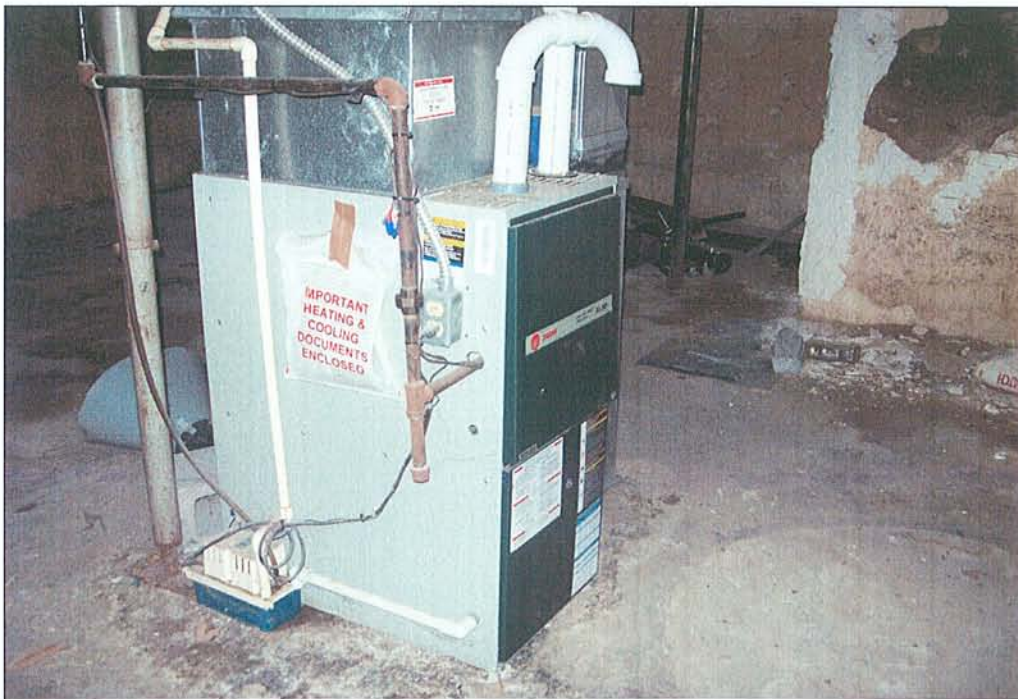


PHOTO NO. 6: Typical air-forced furnace, located in the basements of the dwellings.

SME Project Number:	PE60262A-01
Photographs by:	Jamie P. Buckingham
Date:	December 18, 2009
Project:	Near North
Location:	Ann Arbor, Washtenaw County, Michigan



PHOTO NO. 7: Summit Party Shoppe and residential dwellings, adjoining the Property to the north.



PHOTO NO. 8: Residential dwellings, adjoining the Property to the east.

SME Project Number:	PE60262A-01
Photographs by:	Jamie P. Buckingham
Date:	December 18, 2009
Project:	Near North
Location:	Ann Arbor, Washtenaw County, Michigan



PHOTO NO. 9: Residential dwellings, adjoining the Property to the south.



PHOTO NO. 10: Ann Arbor Community Center, adjoining the Property to the southwest.

SME Project Number:	PE60262A-01
Photographs by:	Jamie P. Buckingham
Date:	December 18, 2009
Project:	Near North
Location:	Ann Arbor, Washtenaw County, Michigan



PHOTO NO. 11: Former City Garage, adjoining the Property to the west.

SME Project Number:	PE60262A-01
Photographs by:	Jamie P. Buckingham
Date:	December 18, 2009
Project:	Near North
Location:	Ann Arbor, Washtenaw County, Michigan

22.4 Historical Research Documentation

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Related Details...

- Tax Information
- Sp. Assessment

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Main > Assessing > Property and Land Search > Results > Details

General Property Information

Parcel: 09-09-20-412-010 Data Current As Of: 0:27 AM 12/15/2009

View this parcel on a map

****NOTE:** There is 1 image and 1 sketch

Property Address

626 N MAIN ST
Ann Arbor, MI 48104

Owner Information

BOEHNKE PROPERTIES, LLC
1721 MORTON AVE
Ann Arbor, MI 48104

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class: 401 Assessed Value:
School District: 81010 - Ann Arbor Taxable Value:
State Equalized Value: \$108,800 Map #
User Number Indx: Date of Last Name Chg:

Date Filed:
Principal Residence Exemption (2009 May 1): 0.0000 %
Principal Residence Exemption (2009 Final): 0.0000 %
Principal Residence Exemption (2010 May 1): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$110,500	\$110,500
2007	\$112,400	\$112,400

Land Information

Acreage: 0.11 Frontage:
Zoning Code: 0 Depth:
Land Value: \$81,200 Mortgage Code:
Land Improvements: N/A Lot Dimensions/Comments:
Renaissance Zone: NO

RCF Neighborhood Code: 0020

Legal Information for 09-09-20-412-010

S 1/2 LOT 13 BLK L MAP OF ORMSBY & PAGES ADDN

Sales Information

4 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee
01/27/2006	\$1.00	U	BOEHNKE CHRISTOPHER	BOEHNKE PROPERTIES, LLC
05/21/2005	\$1.00	U	BOEHNKE PROPERTIES L.L.C	BOEHNKE CHRISTOPHER
01/12/2000	\$1.00	U	BOEHNKE CHRISTOPHER & ERIKA	BOEHNKE PROPERTIES L.L.C.
09/27/1999	\$140,000.00	Q	PHILLIPS SAMELLA	BOEHNKE CHRISTOPHER & ERIKA

Load Building Information on this Page.

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Click this button to collapse the above menu to the top of the screen.

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Building Information

Parcel: 09-09-20-412-010

1 building(s) found.

Description ↑	Flo
Residential Building 1	14'

General Information

Floor Area:	1418 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area	
Foundation Size:	786 Sq. Ft.	Year Remodeled:	
Year Built:	1913	Class:	
Occupancy:	Single Family	Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
1st Floor Rooms:	5	Water:	
2nd Floor Rooms:	3	Sewer:	
Bedrooms:	3		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	512 Sq. Ft.	2
1.75 Story	Crawl Space	Siding	160 Sq. Ft.	1
1 Story	Crawl Space	Siding	114 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	2
Extra Sink:	1

Deck Information

Treated Wood:	24 Sq. Ft.	Foundation:	
Treated Wood w/Roof:	183 Sq. Ft.	Foundation:	

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- Sp. Assessment

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Image/Sketch for Parcel: 09-09-20-412-010

Caption: FRONT 4_7_99

View Full Size



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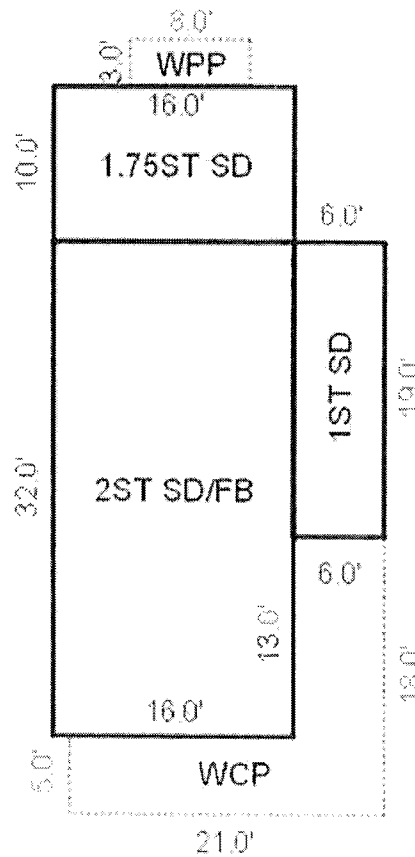
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Caption: R001

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Related Details

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General Property Information

Parcel: 09-09-20-412-009 Data Current As Of: 0:27 AM 12/15/2009

View this parcel on a map

****NOTE:** There is 1 image and 1 sketch

Property Address

630 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN, LLC
P.O. BOX 8307
Ann Arbor, MI 48107

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class:	401	Assessed Value:
School District:	81010 - Ann Arbor	Taxable Value:
State Equalized Value:	\$91,500	Map #
User Number Indx:		Date of Last Name Chg:

Date Filed:

Principal Residence Exemption (2009 May 1): 0.0000 %

Principal Residence Exemption (2009 Final): 0.0000 %

Principal Residence Exemption (2010 May 1): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$92,500	\$92,800
2007	\$94,200	\$94,200

Land Information

Acreage:	0.11	Frontage:
Zoning Code:	O	Depth:
Land Value:	\$81,400	Mortgage Code:
Land Improvements:	N/A	Lot Dimensions/Comments:
Renaissance Zone:	NO	

ECF Neighborhood Code: 0020

Legal Information for 09-09-20-412-009

N 33.11 FT LOT 13 BLK 1 MAP OF ORMSBY & PAGES ADDN

Sales Information

4 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Ter
06/06/2006	\$350,000.00	Q	ANGEL CECIL	TERRACES ON MAIN, LLC	Warr
01/05/1993	\$1.00	U	GELMAN NINA	ANGEL CECIL	Warr
08/01/1989	\$64,000.00	Q	LABRANCHE JAMES A	GELMAN NINA	Warr
08/28/1987	\$44,000.00	Q	SEDMAK TIMOTHY & C J	LABRANCHE JAMES A	Warr

 Load Building Information on this Page.

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Additional Pages

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Related Details

- Tax Information
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Click this button to collapse the above menu to the top of the screen.

Main > Assessing > Property and Land Search > Results > Details

Building Information

Parcel: 09-09-20-412-009

1 building(s) found.

Description ↑	Flo
Residential Building 1	100

General Information

Floor Area:	1084 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area	
Foundation Size:	748 Sq. Ft.		
Year Built:	1918	Year Remodeled:	
Occupancy:	Single Family	Class:	
		Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
1st Floor Rooms:	3	Water:	
2nd Floor Rooms:	3	Sewer:	
Bedrooms:	3		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	F
1.5 Story	Full Bsmnt.	Siding	624 Sq. Ft.	1
1.25 Story	Full Bsmnt.	Siding	96 Sq. Ft.	1
1 Story	Full Bsmnt.	Siding	22 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates
1 Story	Siding	6 Sq. Ft.	YES

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
Extra Sink:	1

Deck Information

Treated Wood w/Roof:	64 Sq. Ft.	Foundation:	
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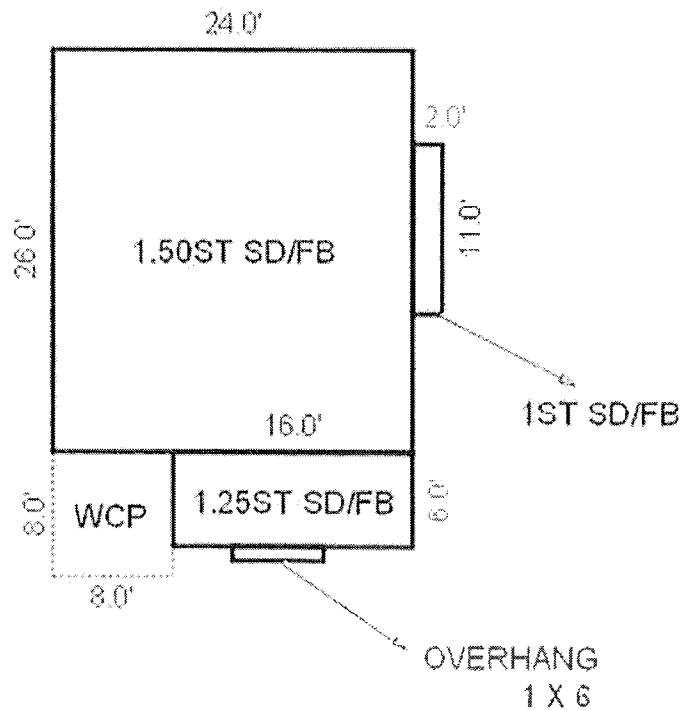
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Image/Sketch for Parcel: 09-09-20-412-009

Caption: R001

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Related Details...

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General Property Information

Parcel: 09-09-20-412-008 Data Current As Of: 0:27 AM 12/15/2009

View this parcel on a map

****NOTE:** There is 1 image and 1 sket

Property Address

700 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN, LLC
P.O. BOX 8307
Ann Arbor, MI 48107-8307

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class: 401 Assessed Value:
School District: 81010 - Ann Arbor Taxable Value:
State Equalized Value: \$130,600 Map #
User Number Indx: Date of Last Name Chg:

Date Filed:
Principal Residence Exemption (2009 May 1): 0.0000 %
Principal Residence Exemption (2009 Final): 0.0000 %
Principal Residence Exemption (2010 May 1): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$132,500	\$132,500
2007	\$134,700	\$134,700

Land Information

Acres: 0.22 Frontage:
Zoning Code: 0 Depth:
Land Value: \$108,000 Mortgage Code:
Land Improvements: N/A Lot Dimensions/Comments:
Renaissance Zone: NO

ECF Neighborhood Code: 0020

Legal Information for 09-09-20-412-008

LOT 11 BLK 1 MAP OF ORMSBY & PAGES ADDN

Sales Information

3 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Term
05/05/2004	\$400,000.00	Q	COSTON SAMUEL S	TERRACES ON MAIN, LLC	Warra
09/01/1992	\$55,000.00	U	GELMAN NINA S	COSTON SAMUEL S	Warra
12/01/1986	\$38,000.00	Q			Warra

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Related Details...

- Tax Information
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Building Information

Parcel: 09-09-20-412-008

1 building(s) found.

Description ↑	Flo
Residential Building 1	168

General Information

Floor Area:	1682 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area	
Foundation Size:	1082 Sq. Ft.		
Year Built:	1918	Year Remodeled:	
Occupancy:	Single Family	Class:	
Percent Complete:	100%	Tri-Level?:	
AC w/Separate Ducts:	NO	Heat:	
		Wood Stove Add-on:	
1st Floor Rooms:	4	Water:	
2nd Floor Rooms:	3	Sewer:	
Bedrooms:	3		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	384 Sq. Ft.	2
2 Story	Crawl Space	Siding	216 Sq. Ft.	2
1 Story	Crawl Space	Siding	336 Sq. Ft.	1
1 Story	Full Bsmnt.	Siding	146 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
2-Fixture Baths:	1
Ceramic Tub Alcove:	1

Deck Information

Treated Wood w/Roof:	70 Sq. Ft.	Foundation:	
-----------------------------	------------	--------------------	--

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Image/Sketch for Parcel: 09-09-20-412-008

Caption: FRONT 4 7 99

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General Property Information

Parcel: 09-09-20-412-006 Data Current As Of: 0:27 AM 12/15/2009

View this parcel on a map

****NOTE:** There is 1 image and 1 sketch

Property Address

708 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN LLC
P.O. BOX 8307
Ann Arbor, MI 48107-8307

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class:	401	Assessed Value:
School District:	81010 - Ann Arbor	Taxable Value:
State Equalized Value:	\$104,800	Map #
User Number Indx:		Date of Last Name Chg:

Date Filed:

Principal Residence Exemption (2009 May 1): 0.0000 %

Principal Residence Exemption (2009 Final): 0.0000 %

Principal Residence Exemption (2010 May 1): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$107,500	\$107,500
2007	\$109,300	\$109,300

Land Information

Acreage:	0.10	Frontage:
Zoning Code:	O	Depth:
Land Value:	\$78,200	Mortgage Code:
Land Improvements:	N/A	Lot Dimensions/Comments:
Renaissance Zone:	NO	

ECF Neighborhood Code: 0020

Legal Information for 09-09-20-412-006

N 29 FT LOT 9 BLK 1 MAP OF ORMSBY & PAGES ADDN

Sales Information

1 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee	Term
06/03/2004	\$267,000.00	Q	HESSION CHARLES M	TERRACES ON MAIN LLC	Warr:

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- Buildings
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Related Details...

- Tax Information
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Building Information

Parcel: 09-09-20-412-006

1 building(s) found.

Description ↑	Flo
Residential Building 1	129

General Information

Floor Area:	1296 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area	
Foundation Size:	769 Sq. Ft.		
Year Built:	1918	Year Remodeled:	
Occupancy:	Single Family	Class:	
		Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
1st Floor Rooms:	4	Water:	
2nd Floor Rooms:	3	Sewer:	
Bedrooms:	3		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	527 Sq. Ft.	2
1 Story	Full Bsmnt.	Siding	84 Sq. Ft.	1
1 Story	Crawl Space	Siding	96 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates
1 Story	Siding	62 Sq. Ft.	YES

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
2-Fixture Baths:	1
Extra Sink:	2

Porch Information

CGEP(1 Story):	119 Sq. Ft.	Foundation:
----------------	-------------	-------------

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Additional Pages

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Related Details

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Image/Sketch for Parcel: 09-09-20-412-006

Caption: FRONT 4 7 99

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Image/Sketch for Parcel: 09-09-20-412-006

Caption: R001

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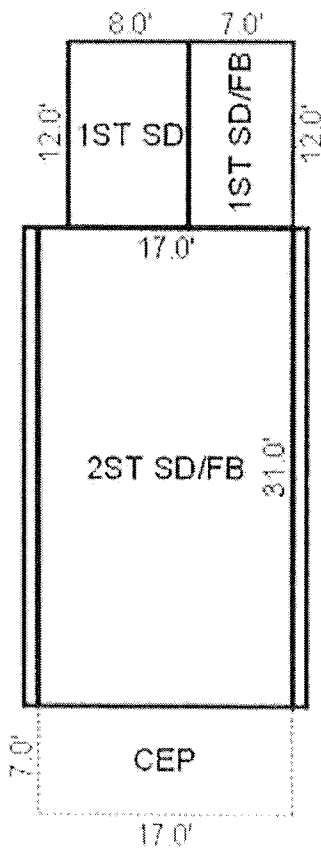
Related Details

- Tax Information
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Related Details

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General Property Information

Parcel: 09-09-20-412-005 Data Current As Of: 0:27 AM 12/15/2009

[View this parcel on a map](#)

****NOTE:** There is 1 image and 1 sketch

Property Address

712 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN, LLC
P.O. BOX 8307
Ann Arbor, MI 48107-8307

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class:	401	Assessed Value:
School District:	81010 - Ann Arbor	Taxable Value:
State Equalized Value:	\$121,700	Map #
User Number Indx:		Date of Last Name Chg:

Date Filed:

Principal Residence Exemption (2009 May 1): 0.0000 %

Principal Residence Exemption (2009 Final): 0.0000 %

Principal Residence Exemption (2010 May 1): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$123,400	\$123,400
2007	\$125,300	\$125,300

Land Information

Acreage:	0.23	Frontage:
Zoning Code:	O	Depth:
Land Value:	\$109,000	Mortgage Code:
Land Improvements:	N/A	Lot Dimensions/Comments:
Renaissance Zone:	NO	

ECF Neighborhood Code: 0000

Legal Information for 09-09-20-412-005

LOT 7 BLK 1 MAP OF ORMSBY AND PAGES ADDITION

Sales Information

5 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee
03/07/2003	\$539,900.00	Q	BRIER DAVID R & BRIER TINA M	TERRACES ON MAIN, LLC
03/13/2002	\$1.00	U	BRIER DAVID	BRIER DAVID R & BRIER TINA M
03/31/1995	\$72,000.00	U	HIEBER LEON JR	BRIER DAVID
10/27/1990	\$1.00	U	HIEBER LEON JR & LEON SR	HIEBER LEON D JR
07/05/1990	\$1.00	U	NEFF ALVIN & LILLIE	HIEBER LEON JR & LEON

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Building Information

Parcel: 09-09-20-412-005

1 building(s) found.

Description ↑	Flo
Residential Building 1	131

General Information

Floor Area:	1350 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area	
Foundation Size:	918 Sq. Ft.		
Year Built:	1900	Year Remodeled:	
Occupancy:	Single Family	Class:	
		Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
1st Floor Rooms:	5	Water:	
2nd Floor Rooms:	4	Sewer:	
Bedrooms:	4		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	432 Sq. Ft.	2
1 Story	Full Bsmnt.	Siding	396 Sq. Ft.	1
1 Story	Crawl Space	Siding	90 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
Extra Sink:	3

Porch Information

WGEP (1 Story):	56 Sq. Ft.	Foundation:	
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Deck Information

Treated Wood:	96 Sq. Ft.	Foundation:
Treated Wood w/Roof:	20 Sq. Ft.	Foundation:

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Image/Sketch for Parcel: 09-09-20-412-005

Caption: FRONT 4_7_99

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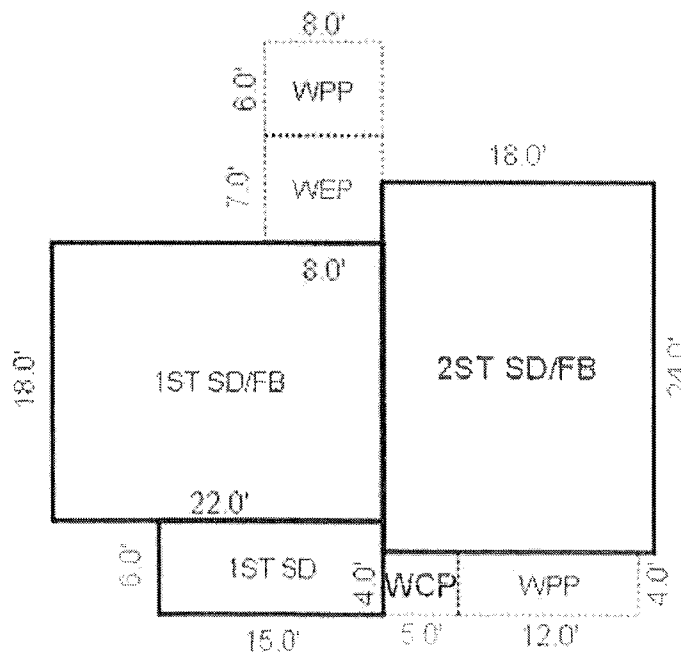
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Caption: R001

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General Property Information

Parcel: 09-09-20-412-004 Data Current As Of: 0:27 AM 12/15/2009

[View this parcel on a map](#)

****NOTE:** There is 1 image and 1 sket

Property Address

718 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN, LLC
P.O. BOX 8307
Ann Arbor, MI 48107-8307

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class:	401	Assessed Value:
School District:	81010 - Ann Arbor	Taxable Value:
State Equalized Value:	\$90,500	Map #
User Number Indx:		Date of Last Name Chg:

Date Filed:	01/01/2002
Principal Residence Exemption (2009 May 1):	0.0000 %
Principal Residence Exemption (2009 Final):	0.0000 %
Principal Residence Exemption (2010 May 1):	0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$91,800	\$62,500
2007	\$93,200	\$93,200

Land Information

Acreage:	0.12	Frontage:
Zoning Code:	O	Depth:
Land Value:	\$83,000	Mortgage Code:
Land Improvements:	N/A	Lot Dimensions/Comments:
Renaissance Zone:	NO	

ECF Neighborhood Code: 0020

Legal Information for 09-09-20-412-004

S 1/2 LOT 5 BLK 1 MAP OF ORMSBY & PAGES ADDN

Sales Information

4 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee
03/07/2003	\$539,900.00	Q	BRIER DAVID R & BRIER TINA M	TERRACES ON MAIN, LLC
03/13/2002	\$1.00	U	BRIER DAVID	BRIER DAVID R & BRIER TINA M
03/15/1996	\$60,000.00	Q	FONDREN JAMES & LORRAINE	BRIER DAVID
03/13/1996	\$60,000.00	U	FONDREN JAMES & LORRAINE	BRIER DAVID

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Related Details

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Click this button to collapse the above menu to the top of the screen.

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Building Information

Parcel: 09-09-20-412-004

1 building(s) found.

Description ↑	Flo
Residential Building 1	90

General Information

Floor Area:	906 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area	
Foundation Size:	534 Sq. Ft.		
Year Built:	1900	Year Remodeled:	
Occupancy:	Single Family	Class:	
		Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
1st Floor Rooms:	3	Water:	
2nd Floor Rooms:	3	Sewer:	
Bedrooms:	3		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	228 Sq. Ft.	2
2 Story	Crawl Space	Siding	144 Sq. Ft.	2
1 Story	Crawl Space	Siding	162 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates

Basement Finish

Recreation:	120 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
Extra Sink:	1

Fireplace Information

Interior 1-Story:	1
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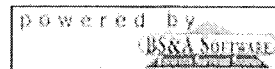
Porch Information

WGEP (1 Story):

209 Sq. Ft.

Foundation:

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Image/Sketch for Parcel: 09-09-20-412-004

Caption: FRONT 4_7_99

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Additional Pages

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- Images/Sketches

Related Details

- Tax Information
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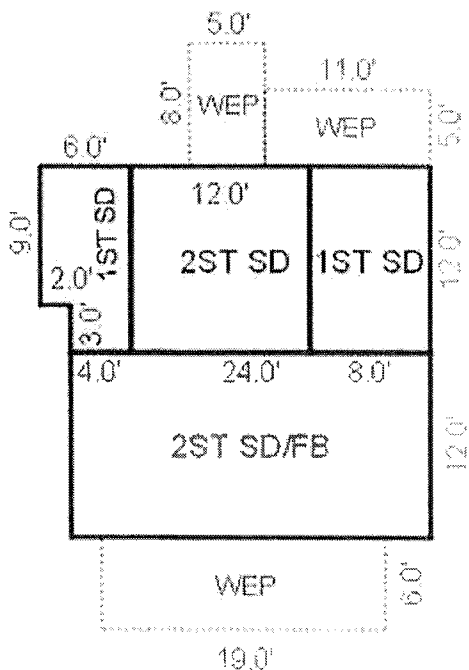
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Main > Assessing > Property and Land Search > Results > Details > Image/Sketch

Image/Sketch for Parcel: 09-09-20-412-004

Caption: R001

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Related Details...

- Tax Information
- Sp. Assessment

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Click this button to collapse the above menu to the top of the screen.

General Property Information

Parcel: 09-09-20-412-003 Data Current As Of: 0:27 AM 12/15/2009

[View this parcel on a map](#)

****NOTE:** There is 1 image and 1 sketch

Property Address

722 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN, LLC
P.O. BOX 8307
Ann Arbor, MI 48107-8307

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class:	401	Assessed Value:
School District:	81010 - Ann Arbor	Taxable Value:
State Equalized Value:	\$91,800	Map #
User Number Indx:		Date of Last Name Chg:

Date Filed:

Principal Residence Exemption (2009 May 1):	0.0000 %
Principal Residence Exemption (2009 Final):	0.0000 %
Principal Residence Exemption (2010 May 1):	0.0000 %

		Final S.E.V.
2008	\$93,200	\$62,500
2007	\$94,600	\$94,600

Land Information

Acreage:	0.10	Frontage:
Zoning Code:	O	Depth:
Land Value:	\$76,800	Mortgage Code:
Land Improvements:	N/A	Lot Dimensions/Comments:
Renaissance Zone:	NO	

ECF Neighborhood Code: 0020

Legal Information for 09-09-20-412-003

N 1/2 LOT 5 BLK 1 MAP OF ORMSBY & PAGES ADDN EXCEPT THE NLY 9 FT OF THE WLY 89.55 FT THEREOF

Sales Information

3 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee
03/07/2003	\$539,900.00	Q	BRIER DAVID R & BRIER TINA M	TERRACES ON MAIN, LLC
03/13/2002	\$1.00	U	BRIER DAVID	BRIER DAVID R & BRIER TINA M
09/25/2000	\$65,000.00	Q	BAXTER ALZA	BRIER DAVID

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Home | CP, DI, Lot# -

Data

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Additional Pages

- General/Sales
- Buildings
- Images/Sketches

Related Details...

- Tax Information
- Sp. Assessment

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collapse the menu

Click this button to collapse the above menu to the top of the screen.

Main > Assessing > Property and Land Search > Results > Details

Building Information

Parcel: 09-09-20-412-003

1 building(s) found.

Description ↑	Flo
Residential Building 1	10

General Information

Floor Area:	1056 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area:	
Foundation Size:	716 Sq. Ft.		
Year Built:	1900	Year Remodeled:	
Occupancy:	Single Family	Class:	
		Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
Bedrooms:	0	Water:	
Style:	2 STORY, C-BC	Sewer:	

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	340 Sq. Ft.	2
1 Story	Full Bsmnt.	Siding	40 Sq. Ft.	1
1 Story	Crawl Space	Siding	336 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
Extra Sink:	1

Porch Information

CSEP (1 Story):	102 Sq. Ft.	Foundation:	
------------------------	-------------	--------------------	--

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Additional Pages

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- Images/Sketches

Related Details

- Tax Information
- Sp. Assessment

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Main > Assessing > Property and Land Search > Results > Details > Image/Sketch

Image/Sketch for Parcel: 09-09-20-412-003

Caption: FRONT 7-6-05

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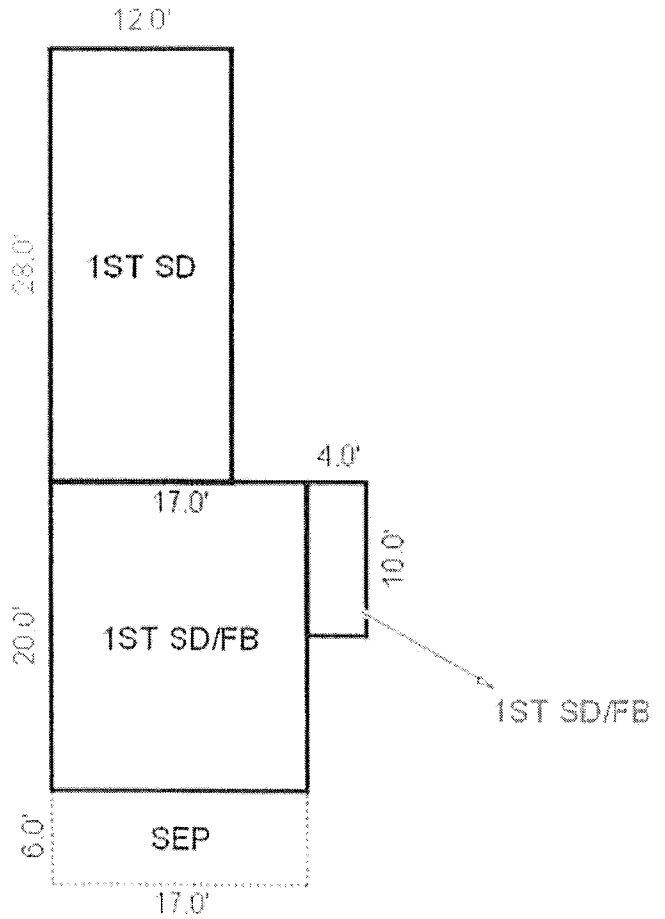
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Image/Sketch for Parcel: 09-09-20-412-003

Caption: R001

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Sketch by Alex Medina™

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General Property Information

Parcel: 09-09-20-412-002 Data Current As Of: 0:27 AM 12/15/2009

View this parcel on a map

****NOTE:** There is 1 image and 1 sketch

Property Address

724 N MAIN ST
Ann Arbor, MI 48104

Owner Information

TERRACES ON MAIN LLC
P.O. BOX 8307
Ann Arbor, MI 48107-8307

Unit:

Taxpayer Information

SEE OWNER INFORMATION

General Information for Tax Year 2009

Property Class:	401	Assessed Value:
School District:	81010 - Ann Arbor	Taxable Value:
State Equalized Value:	\$113,800	Map #
User Number Indx:		Date of Last Name Chg:

Date Filed:

Principal Residence Exemption (2009 May 1): 0.0000 %

Principal Residence Exemption (2009 Final): 0.0000 %

Principal Residence Exemption (2010 May 1): 0.0000 %

Previous Year Info	MBOR Assessed	Final S.E.V.
2008	\$115,700	\$50,000
2007	\$117,800	\$117,800

Land Information

Acresage:	0.08	Frontage:
Zoning Code:	O	Depth:
Land Value:	\$79,200	Mortgage Code:
Land Improvements:	N/A	Lot Dimensions/Comments:
Renaissance Zone:	NO	

ECF Neighborhood Code: 0020

Legal Information for 09-09-20-412-002

COM AT NW COR LOT 1, BLK 1 OF ORMSBY & PAGES ADDITION, TH SLY ALNG W LINE OF LOT 1, 60.8 FT TO A POB, TH DE TH DEFL 89 DEG 18 MIN RT 29.38 FT, TH DEFL 89 DEG 16 MIN LFT 10 FT, TH DEFL 98 DEG 58 MIN 30 SEC RT 9.75 FT, TH TO E ROW OF N MAIN ST, TH NLY ALNG E ROW LINE 40 FT TO POB, BEING PRT OF LOTS 1, 2 & 5, BLK 1, ORMSBY & PAGE

Sales Information

4 sale record(s) found.

Sale Date	Sale Price	Instrument	Grantor	Grantee
01/31/2003	\$215,000.00	Q	808 EAST KINGSLEY L.L.C.	TERRACES ON MAIN LLC
02/08/1999	\$1.00	U	FITZSIMMONS THOMAS & KELLY	808 E KINGSLEY L.L.C.
02/08/1999	\$129,000.00	Q	DAVALOS MARK TRUSTEE MONTGOMERY M	FITZSIMMONS THOMAS
12/09/1997	\$83,000.00	Q	MODEL CITIES HEALTH CENTER INC	DAVALOS MARK TRUSTEE

Load Building Information on this Page.

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Building Information

Parcel: 09-09-20-412-002

1 building(s) found.

Description ↑	Flo
Residential Building 1	17:

General Information

Floor Area:	1726 Sq. Ft.	Estimated TCV:	
Garage Area:	0 Sq. Ft.	Basement Area:	
Foundation Size:	1023 Sq. Ft.		
Year Built:	1913	Year Remodeled:	
Occupancy:	Single Family	Class:	
		Tri-Level?:	
Percent Complete:	100%	Heat:	
AC w/Separate Ducts:	NO	Wood Stove Add-on:	
1st Floor Rooms:	4	Water:	
2nd Floor Rooms:	3	Sewer:	
Bedrooms:	4		
Style:	2 STORY, C-BC		

Area Detail - Basic Building Areas

Height	Foundation	Exterior	Area	H
2 Story	Full Bsmnt.	Siding	528 Sq. Ft.	2
1.75 Story	Full Bsmnt.	Siding	234 Sq. Ft.	1
1 Story	Crawl Space	Siding	261 Sq. Ft.	1

Area Detail - Overhangs

Height	Exterior	Area	Included in Size for Rates

Basement Finish

Recreation:	0 Sq. Ft.	Percent Good:	0
Living Area:	0 Sq. Ft.	Percent Good:	0
Walk Out Doors:	0	No Concrete Floor Area:	0

Plumbing Information

3-Fixture Baths:	1
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Porch Information

CCP (1 Story):	95 Sq. Ft.	Foundation:	
----------------	------------	-------------	--

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Image/Sketch for Parcel: 09-09-20-412-002

Caption: FRONT 7-6-05

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Related Details...

- Tax Information
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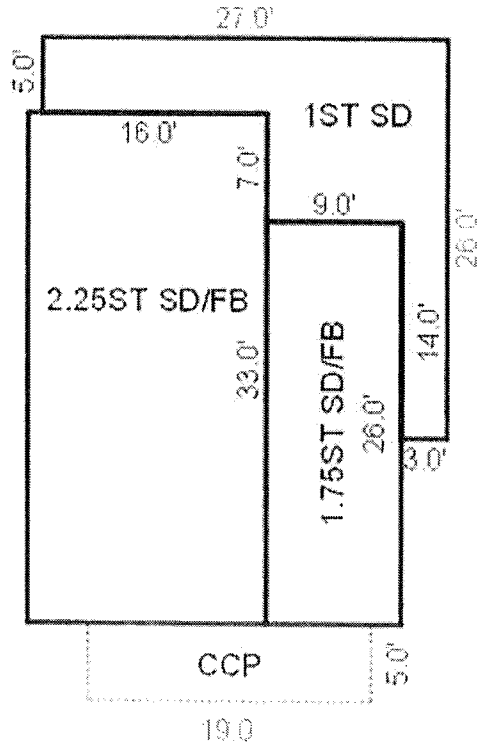
Click this button to collapse the above menu to the top of the screen.

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Image/Sketch for Parcel: 09-09-20-412-002

Caption: R001

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Sketch by: Roger Medina

Near North

712 North Main Street

Ann Arbor, MI 48104

Inquiry Number: 2659840.4

December 17, 2009

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

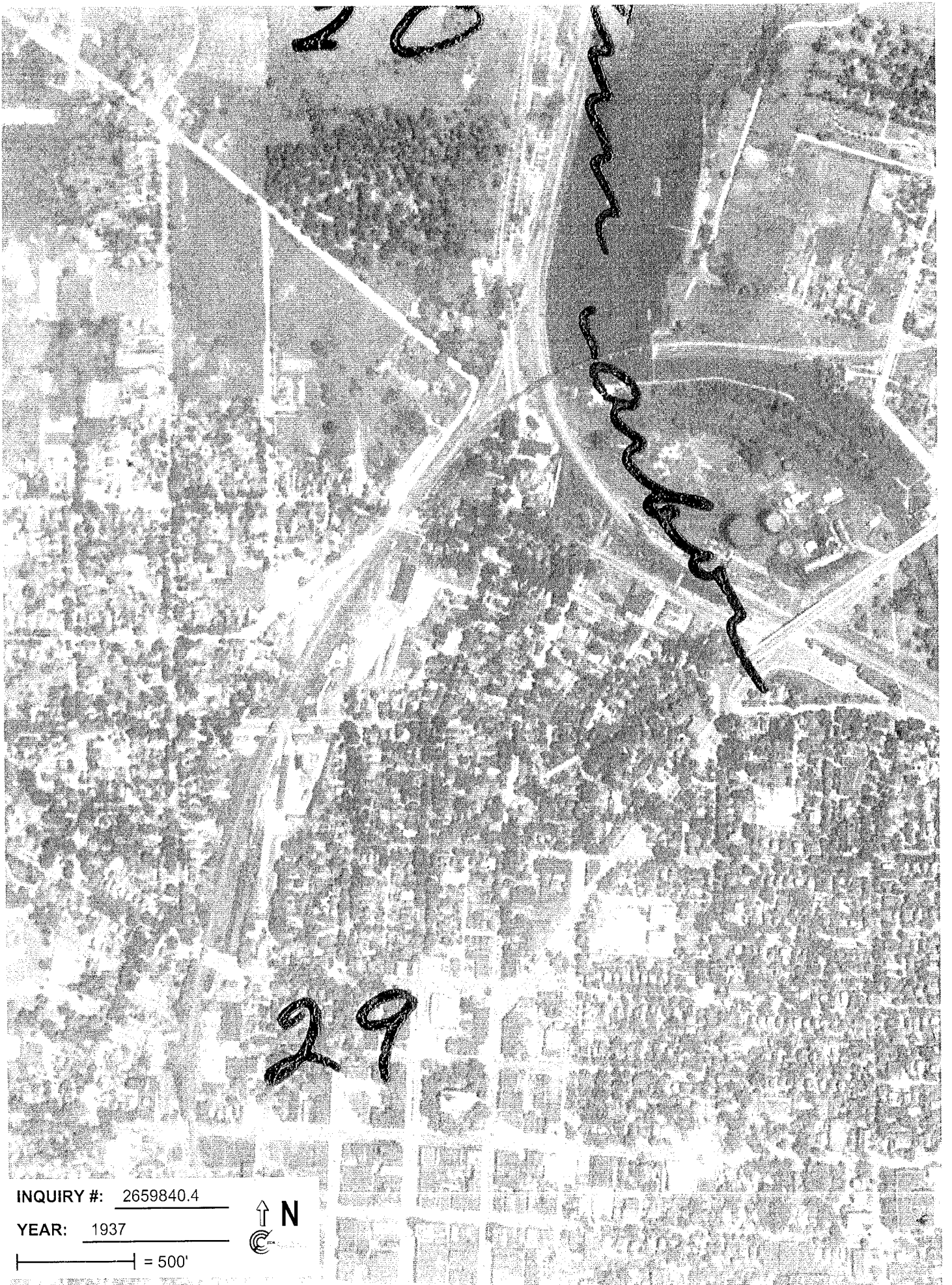
Aerial Photography December 17, 2009

Target Property:

712 North Main Street

Ann Arbor, MI 48104

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1937	Aerial Photograph. Scale: 1"=500'	Flight Year: 1937	AAA
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	AAA
1949	Aerial Photograph. Scale: 1"=500'	Flight Year: 1949	Detroit Edison
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1963	Aerial Photograph. Scale: 1"=500'	Flight Year: 1963	ASCS
1969	Aerial Photograph. Scale: 1"=500'	Flight Year: 1969	ASCS
1978	Aerial Photograph. Scale: 1"=600'	Flight Year: 1978	ASCS
1985	Aerial Photograph. Scale: 1"=500'	Flight Year: 1985	SEMCOG
1992	Aerial Photograph. Scale: 1"=600'	Flight Year: 1992	NAPP
2000	Aerial Photograph. Scale: 1"=500'	Flight Year: 2000	SEMCOG
2006	Aerial Photograph. 1" = 604'	Flight Year: 2006	EDR



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29

INQUIRY #: 2659840.4

YEAR: 1937

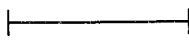
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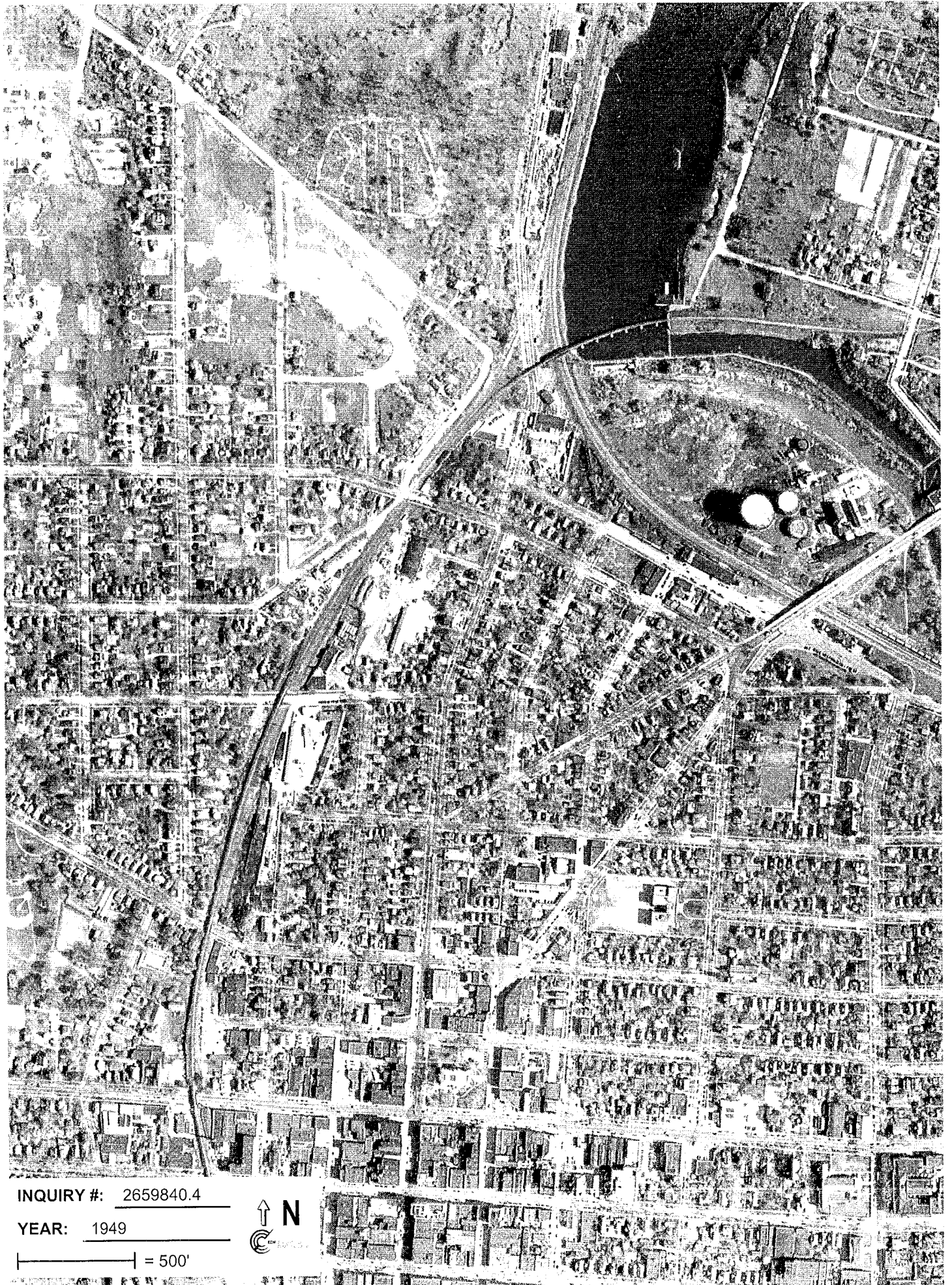


INQUIRY #: 2659840.4

YEAR: 1940


 = 500'





INQUIRY #: 2659840.4

YEAR: 1949

 = 500'





INQUIRY #: 2659840.4

YEAR: 1955

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INQUIRY #: 2659840.4

YEAR: 1963

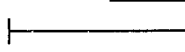
| = 500'





INQUIRY #: 2659840.4

YEAR: 1969

 = 500'





INQUIRY #: 2659840.4

YEAR: 1978

| = 600'





INQUIRY #: 2659840.4

YEAR: 1985

— = 500'





INQUIRY #: 2659840.4

YEAR: 1992

 = 600'





INQUIRY #: 2659840.4

YEAR: 2000

| = 500'





INQUIRY #: 2659840.4

YEAR: 2006

| = 604'



Near North

712 North Main Street

Ann Arbor, MI 48104

Inquiry Number: 2659840.3

December 15, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

12/15/09

Site Name:

Near North
712 North Main Street
Ann Arbor, MI 48104

Client Name:

Soil & Materials Engineers
2663 Eaton Rapids Road
Lansing, MI 48911



EDR Inquiry # 2659840.3

Contact: JP Buckingham

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Soil & Materials Engineers were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Near North
Address: 712 North Main Street
City, State, Zip: Ann Arbor, MI 48104
Cross Street:
P.O. # NA
Project: PE60262-01
Certification # 2371-4F82-8E1F



Sanborn® Library search results
Certification # 2371-4F82-8E1F

Maps Provided:

1972
1948
1931
1925
1916

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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Certified Sanborn® Map Report Enhancements for 2009

The accompanying Certified Sanborn Map Report reflects a number of enhancements that make it easier for you to review these historical maps. EDR has digitally joined together the more than one million fire insurance maps from the Sanborn Library collection so that your target property is centered, making it easier for you to review adjoining properties. Here is a list of the new features:

- Your target property is centered on each map. You can quickly locate your target property and view adjoining properties. Plus, adjoining properties are included more often, reducing your need to refer to additional maps.
- All maps are now displayed at a uniform scale. This makes it easier for you to view changes to the property over time.
- We've increased coverage by adding thousands of new maps from 40 cities for years 1994-2007.
- A new Map Key and Sheet Thumbnails let you reference sheet numbers, year and volume of original Sanborn Map panels used for this report.

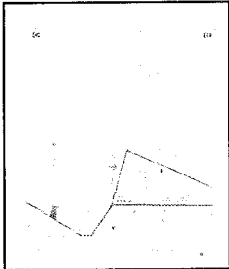
For more information about the new enhancements to the Certified Sanborn Map Report, contact your EDR representative at 800-352-0050.

Sanborn Sheet Thumbnails

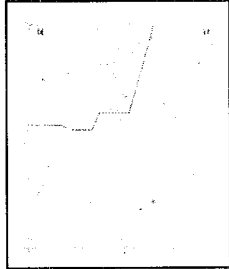
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



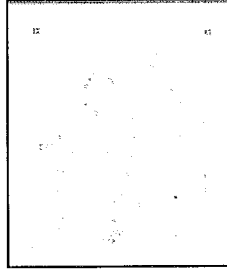
1972 Source Sheets



Volume 1, Sheet 28

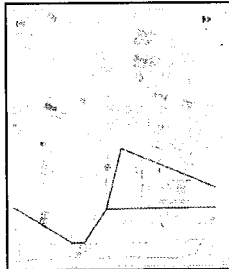


Volume 1, Sheet 32

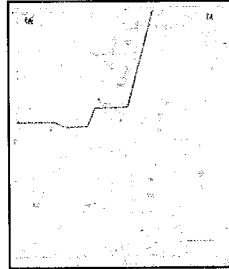


Volume 1, Sheet 15

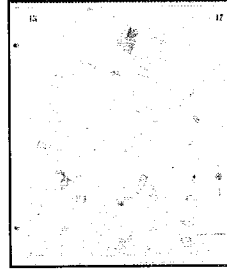
1948 Source Sheets



Volume 1, Sheet 10

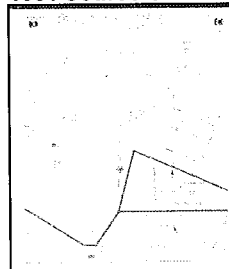


Volume 1, Sheet 14

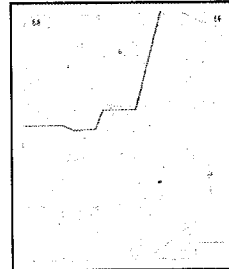


Volume 1, Sheet 15

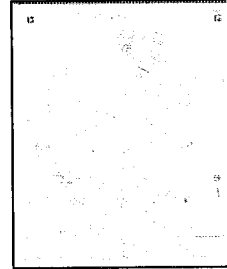
1931 Source Sheets



Volume 1, Sheet 10



Volume 1, Sheet 14

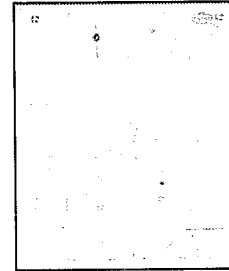


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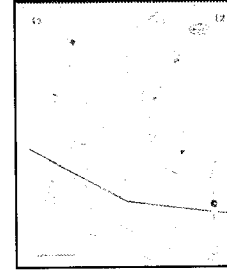
1925 Source Sheets



Volume 1, Sheet 11

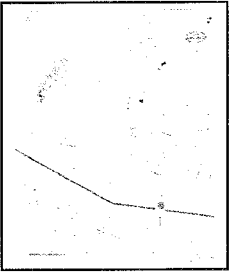


Volume 1, Sheet 12

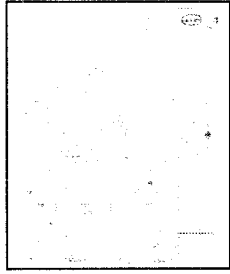


Volume 1, Sheet 13

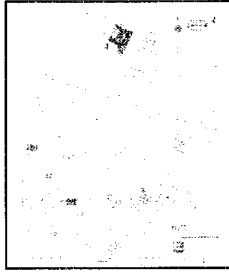
1916 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 3

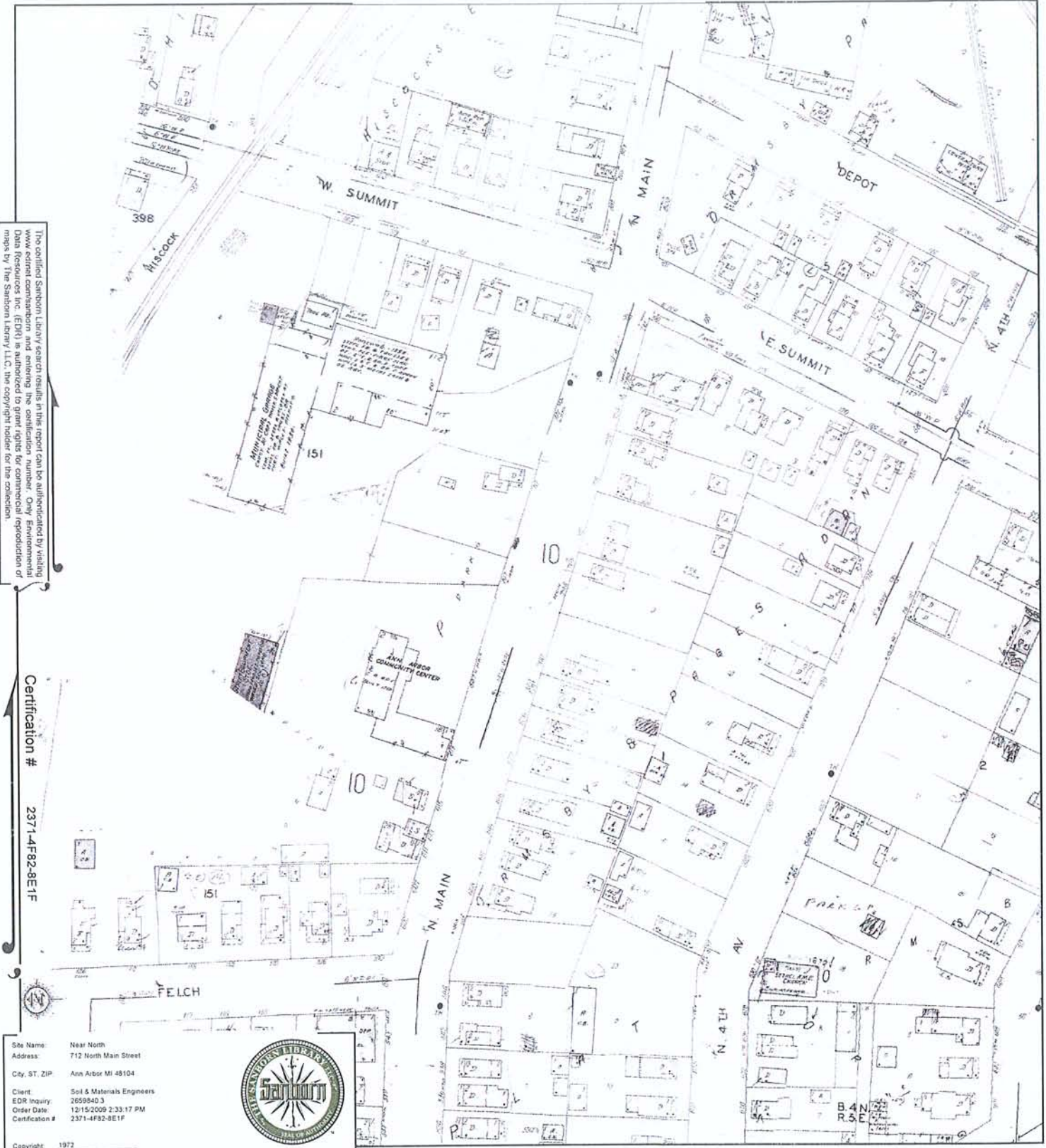


Volume 1, Sheet 4

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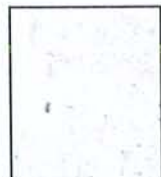
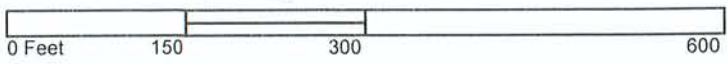
Certification # 2371-4F82-8E1F



Site Name: Near North
 Address: 712 North Main Street
 City, ST, ZIP: Ann Arbor MI 48104
 Client: Soil & Materials Engineers
 EDR Inquiry: 2659840 3
 Order Date: 12/15/2009 2:33:17 PM
 Certification #: 2371-4F82-8E1F



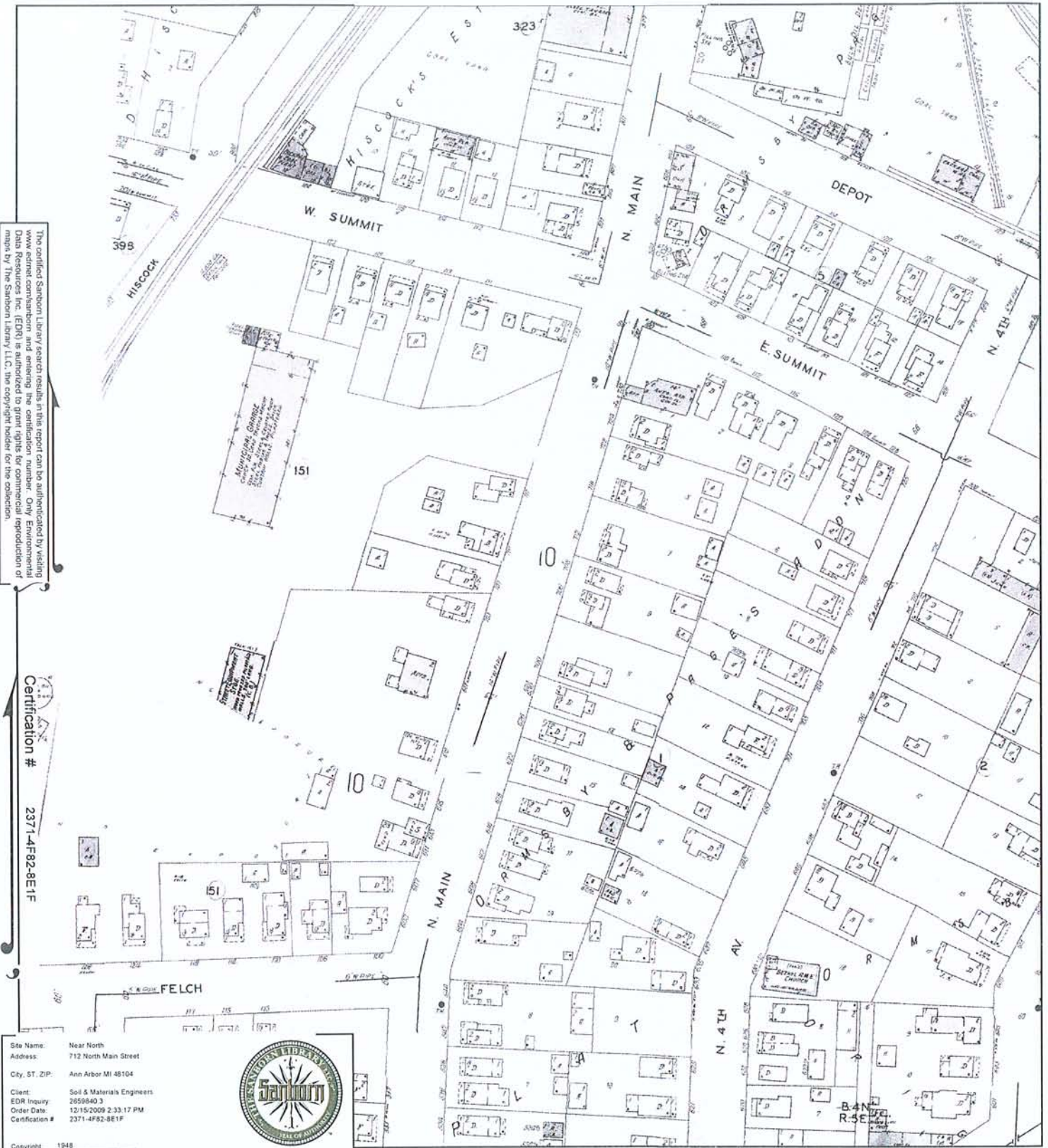
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Volume 1, Sheet 28
 Volume 1, Sheet 32
 Volume 1, Sheet 15



1948 Certified Sanborn Map



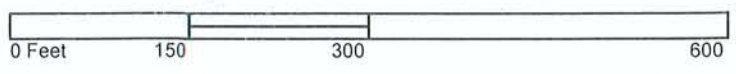
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Certification # 2371-4F82-8E1F

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 Address: 712 North Main Street
 City, ST, ZIP: Ann Arbor MI 48104
 Client: Soil & Materials Engineers
 EDR Inquiry: 2659840.3
 Order Date: 12/15/2009 2:33:17 PM
 Certification #: 2371-4F82-8E1F



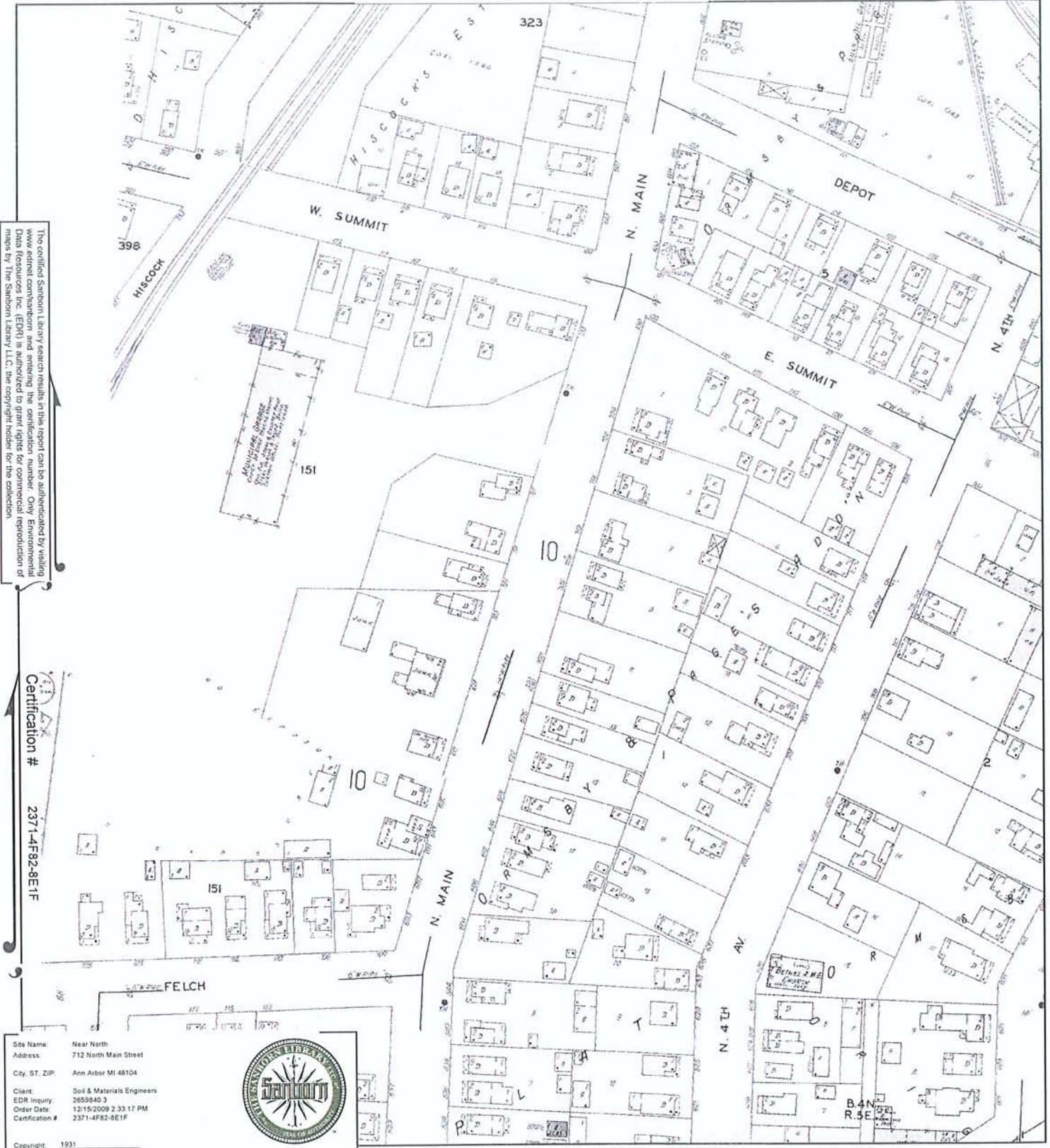
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- Volume 1, Sheet 10
- Volume 1, Sheet 14
- Volume 1, Sheet 15



1931 Certified Sanborn Map



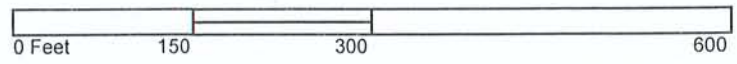
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 Address: 712 North Main Street
 City, ST, ZIP: Ann Arbor MI 48104
 Client: Soil & Materials Engineers
 EDR Inquiry: 2659840-3
 Order Date: 12/15/2009 2:33:17 PM
 Certification #: 2371-4F82-8E1F



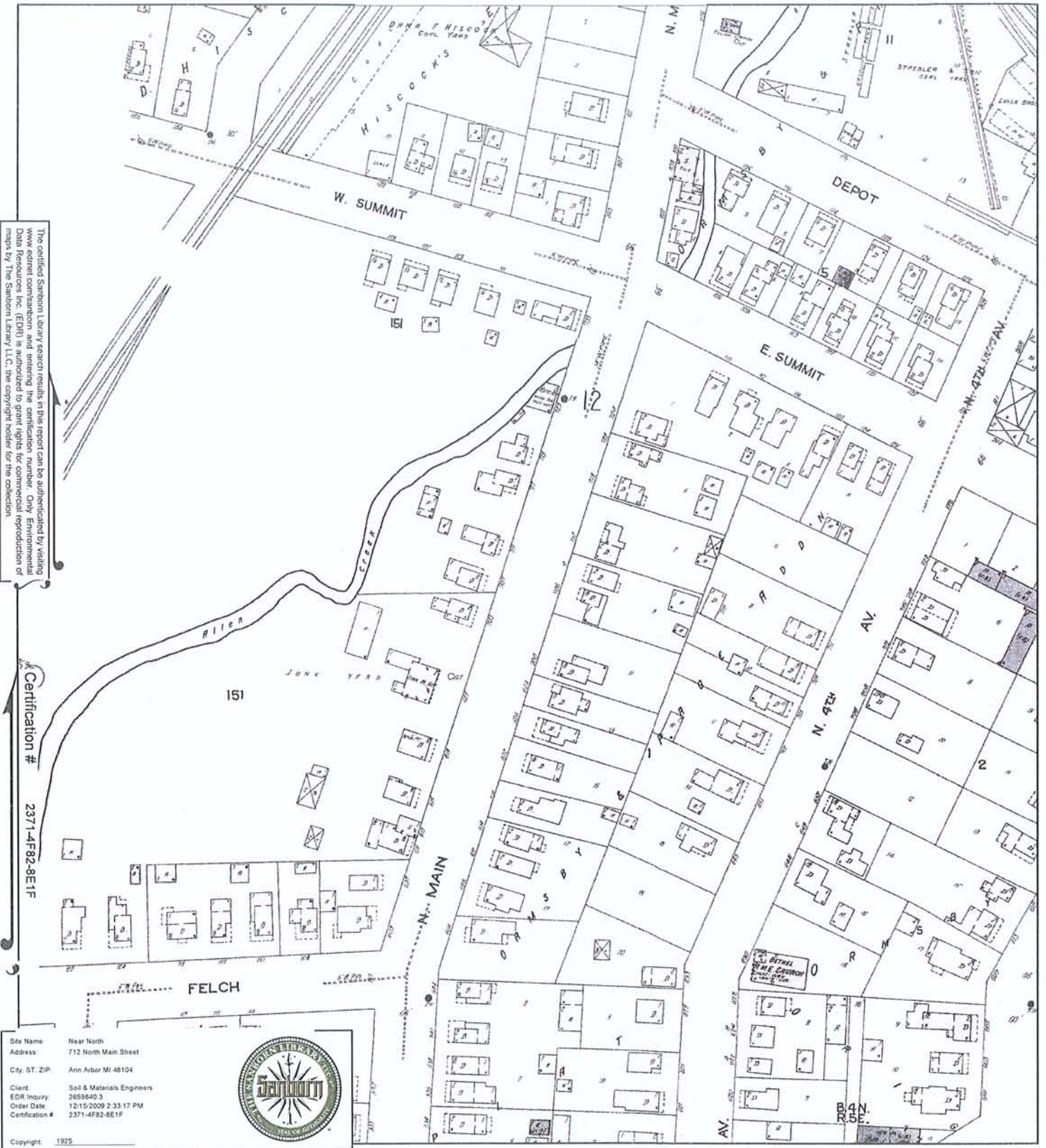
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 1, Sheet 10
 Volume 1, Sheet 14
 Volume 1, Sheet 15



1925 Certified Sanborn Map



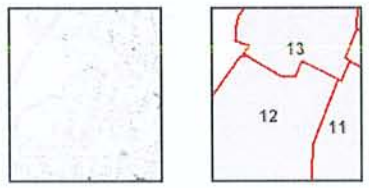
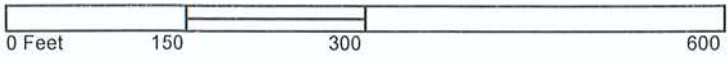
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Certification # 2371-4F82-8E1F

Site Name: Near North
 Address: 712 North Main Street
 City, ST, ZIP: Ann Arbor MI 48104
 Client: Soil & Materials Engineers
 EDR Inquiry: 2659840 3
 Order Date: 12/15/2009 2:33:17 PM
 Certification #: 2371-4F82-8E1F



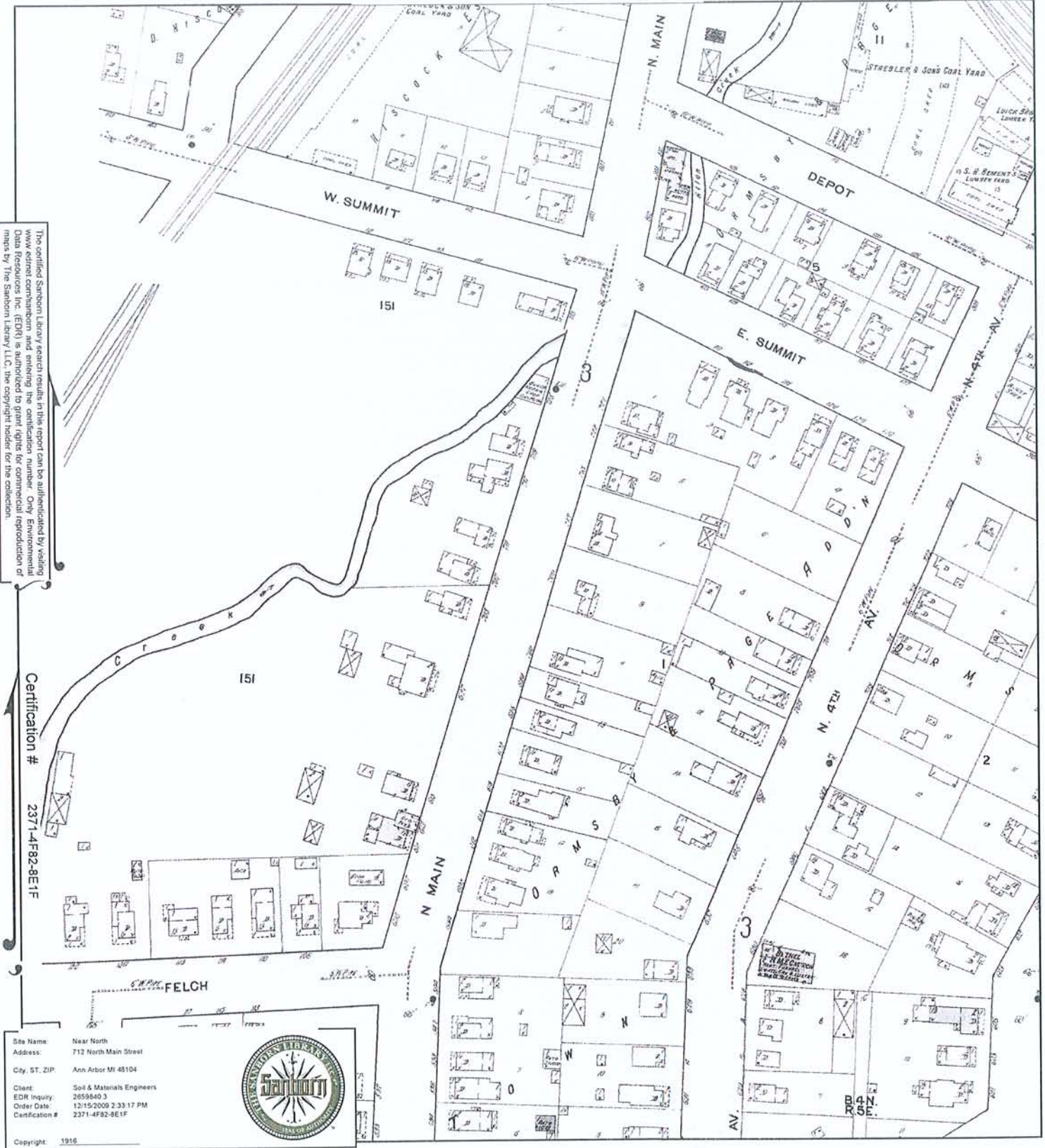
This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



Volume 1, Sheet 11
 Volume 1, Sheet 12
 Volume 1, Sheet 13



1916 Certified Sanborn Map



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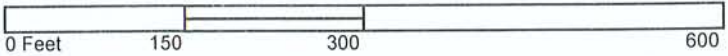
Certification # 2371-4F82-8E1F

Site Name: Near North
 Address: 712 North Main Street
 City, ST, ZIP: Ann Arbor MI 48104
 Client: Soil & Materials Engineers
 EDR Inquiry: 2659840-3
 Order Date: 12/15/2009 2:33:17 PM
 Certification #: 2371-4F82-8E1F



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This Certified Sanborn Map combines the following sheets (thumbnails on page 3).



- Volume 1, Sheet 2
- Volume 1, Sheet 3
- Volume 1, Sheet 4



22.5 Regulatory Records Documentation

Near North

712 North Main Street
Ann Arbor, MI 48104

Inquiry Number: 2659840.2s
December 15, 2009

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

712 NORTH MAIN STREET
ANN ARBOR, MI 48104

COORDINATES

Latitude (North): 42.287600 - 42° 17' 15.4"
Longitude (West): 83.747700 - 83° 44' 51.7"
Universal Tranverse Mercator: Zone 17
UTM X (Meters): 273454.9
UTM Y (Meters): 4685151.5
Elevation: 791 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 42083-C6 ANN ARBOR EAST, MI
Most Recent Revision: 1983

West Map: 42083-C7 ANN ARBOR WEST, MI
Most Recent Revision: 1983

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2006
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities Database

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
HIST LF.....	Inactive Solid Waste Facilities
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL.....	Clandestine Drug Labs
DEL SHWS.....	Delisted List of Contaminated Sites
CDL.....	Clandestine Drug Lab Listing
US HIST CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS 2.....	CERCLA Lien Information
LUCIS.....	Land Use Control Information System
LIENS.....	Lien List

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Pollution Emergency Alerting System

Other Ascertainable Records

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Database
DRYCLEANERS.....	Drycleaning Establishments
NPDES.....	List of Active NPDES Permits
AIRS.....	Permit and Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH.....	Coal Ash Disposal Sites
PCB TRANSFORMER.....	PCB Transformer Registration Database

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CITY OF ANN ARBOR</i>	<i>721 N MAIN ST</i>	<i>SSW 0 - 1/8 (0.015 mi.)</i>	<i>A2</i>	<i>10</i>

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 11/12/2008 has revealed that there are 4 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>MAIN ST MOTORS</i>	<i>906 N MAIN ST</i>	<i>NNE 0 - 1/8 (0.113 mi.)</i>	<i>C6</i>	<i>15</i>
<i>C B DEVELOPMENT</i>	<i>220 FELCH</i>	<i>WSW 1/8 - 1/4 (0.157 mi.)</i>	<i>D11</i>	<i>22</i>
<i>MOLECULAR THERAPEUTICS INC</i>	<i>924 N MAIN ST</i>	<i>NNE 1/8 - 1/4 (0.158 mi.)</i>	<i>13</i>	<i>25</i>
<i>DTE MICHIGAN</i>	<i>340 DEPOT ST</i>	<i>E 1/8 - 1/4 (0.185 mi.)</i>	<i>E17</i>	<i>29</i>

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's' Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 10/28/2009 has revealed that there are 5 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LANSKY SCRAPYARD Facility Status: Interim Response in progress	1100 N MAIN	N 1/4 - 1/2 (0.355 mi.)	30	47
ARMEN CLEANERS Facility Status: Interim Response in progress	630 S ASHLEY	S 1/2 - 1 (0.970 mi.)	46	68
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALLEN CREEK DRAIN Facility Status: Interim Response in progress	912 N MAIN ST	NNE 1/8 - 1/4 (0.128 mi.)	C8	19
MICH CON BROADWAY ST Facility Status: Interim Response in progress	841 BROADWAY STREET	ENE 1/4 - 1/2 (0.300 mi.)	G25	43
Not reported Facility Status: Evaluation conducted	1120 BROADWAY	ENE 1/2 - 1 (0.568 mi.)	45	67

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 09/01/2009 has revealed that there are 19 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY GARAGE Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i>	721 N MAIN ST	SSW 0 - 1/8 (0.015 mi.)	A1	7
DALE KRULL CONST Facility Status: Closed	221 FELCH ST	WSW 1/8 - 1/4 (0.176 mi.)	D14	26
BEAKES STREET SERVICE STATION Facility Status: Closed	101 BEAKES ST	S 1/8 - 1/4 (0.192 mi.)	18	32
ARCURE MOTORS Facility Status: Closed	617 DETROIT ST	ESE 1/8 - 1/4 (0.242 mi.)	F20	35
DE LONG BBQ PIT Facility Status: Closed	314 DETROIT ST	SSE 1/4 - 1/2 (0.277 mi.)	23	39
AMOCO OIL CO Facility Status: Closed	300 N MAIN	S 1/4 - 1/2 (0.303 mi.)	H27	44

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BILL MUNCYS SERVICE Facility Status: Closed	423 MILLER AVE	SW 1/4 - 1/2 (0.357 mi.)	I32	49
CITY OF ANN ARBOR FIRE DEPT Facility Status: Closed	111 N 5TH AVE	SSE 1/4 - 1/2 (0.436 mi.)	J35	52
ASHLEY TERRANCE DEVELOPMENT Facility Status: Closed	208 WEST HURON STREET	SSW 1/4 - 1/2 (0.439 mi.)	K37	56
WCP INVESTMENTS PARTNERSHIP Facility Status: Closed	117 N FIRST ST	SSW 1/4 - 1/2 (0.442 mi.)	38	57
COMERICA BANK Facility Status: Closed	300 E HURON ST	SSE 1/4 - 1/2 (0.442 mi.)	J39	58
COMERICA BANK Facility Status: Closed	312-314 E HURON	SSE 1/4 - 1/2 (0.446 mi.)	J40	60
ANN ARBOR CO Facility Status: Closed	324 E HURON ST	SSE 1/4 - 1/2 (0.449 mi.)	41	61
ILLIS SERVICE Facility Status: Closed	401 W HURON ST	SSW 1/4 - 1/2 (0.481 mi.)	44	67
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
C.B DEVELOPMENT Facility Status: Closed Facility Status: Closed <i>*Additional key fields are available in the Map Findings section</i>	220 FELCH ST	WSW 1/8 - 1/4 (0.157 mi.)	D9	20
BROADWAY Facility Status: Open Facility Status: Open <i>*Additional key fields are available in the Map Findings section</i>	841 BROADWAY ST	ENE 1/4 - 1/2 (0.300 mi.)	G24	41
ANN ARBOR SERVICE CENTER Facility Status: Closed	982 BROADWAY ST	ENE 1/4 - 1/2 (0.424 mi.)	34	50
CLARK STORE #2121 Facility Status: Open Facility Status: Open	1019 BROADWAY ST	ENE 1/4 - 1/2 (0.469 mi.)	L42	63
MARATHON UNIT #1102 Facility Status: Closed	1026 BROADWAY ST	ENE 1/4 - 1/2 (0.479 mi.)	L43	66

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 09/01/2009 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY GARAGE	721 N MAIN ST	SSW 0 - 1/8 (0.015 mi.)	A1	7
DALE KRULL CONST	221 FELCH ST	WSW 1/8 - 1/4 (0.176 mi.)	D14	26
BEAKES STREET SERVICE STATION	101 BEAKES ST	S 1/8 - 1/4 (0.192 mi.)	18	32

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ARCURE MOTORS</i>	<i>617 DETROIT ST</i>	<i>ESE 1/8 - 1/4 (0.242 mi.)</i>	<i>F20</i>	<i>35</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MELVIN & BETTY LEWIS <i>C.B DEVELOPMENT</i>	800 N MAIN <i>220 FELCH ST</i>	NNE 0 - 1/8 (0.061 mi.) <i>WSW 1/8 - 1/4 (0.157 mi.)</i>	B4 <i>D9</i>	13 <i>20</i>
ROBEY TIRE	936 N MAIN ST	N 1/8 - 1/4 (0.184 mi.)	15	28
MAIN STREET MOTORS	906 N MAIN MAIN & DEPOT	N 1/8 - 1/4 (0.222 mi.)	19	34

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Michigan AST database.

A review of the AST list, as provided by EDR, and dated 09/15/2009 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CITY GARAGE</i>	<i>721 N MAIN ST</i>	<i>SSW 0 - 1/8 (0.015 mi.)</i>	<i>A1</i>	<i>7</i>

State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 09/21/2009 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BILL MUNCYS SERVICE	423 MILLER AVE.	SW 1/4 - 1/2 (0.357 mi.)	I31	48

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database.

A review of the BROWNFIELDS list, as provided by EDR, and dated 09/21/2009 has revealed that there are 2 BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAIN & SUMMIT	800 N MAIN	NNE 0 - 1/8 (0.061 mi.)	B3	13
MICH. CON BROADWAY SITE	841 BROADWAY	ENE 1/4 - 1/2 (0.300 mi.)	G26	43

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

EXECUTIVE SUMMARY

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/12/2008 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>AUTO STRASSE LTD</i>	<i>617 DETROIT ST</i>	<i>ESE 1/8 - 1/4 (0.242 mi.)</i>	<i>F21</i>	<i>36</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ANN ARBOR AUTO SERVICE INC</i>	<i>907 N MAIN ST</i>	<i>NNE 0 - 1/8 (0.114 mi.)</i>	<i>C7</i>	<i>17</i>

BEA: Baseline Environmental Assessment.

A review of the BEA list, as provided by EDR, and dated 09/14/2009 has revealed that there are 8 BEA sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	815 WILDT ST	NW 0 - 1/8 (0.112 mi.)	5	14
<i>DE LONG BBQ PIT</i>	<i>314 DETROIT ST</i>	<i>SSE 1/4 - 1/2 (0.277 mi.)</i>	<i>23</i>	<i>39</i>
Not reported	110 MILLER	S 1/4 - 1/2 (0.304 mi.)	H28	47
Not reported	204 W HURON	SSW 1/4 - 1/2 (0.438 mi.)	K36	55
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	220 FELCH STREET	WSW 1/8 - 1/4 (0.157 mi.)	D10	22
ANN ARBOR ART CTR (FORMER STAN	220 FELCH	WSW 1/8 - 1/4 (0.158 mi.)	D12	24
MICH CON BEAKES ST	340 DEPOT ST	E 1/8 - 1/4 (0.185 mi.)	E16	29
Not reported	1012 PONTIAC ST	ENE 1/4 - 1/2 (0.418 mi.)	33	50

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there are 2 Manufactured Gas Plants sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY GAS WORKS	BEAKES STREET	E 1/4 - 1/2 (0.260 mi.)	22	38

EXECUTIVE SUMMARY

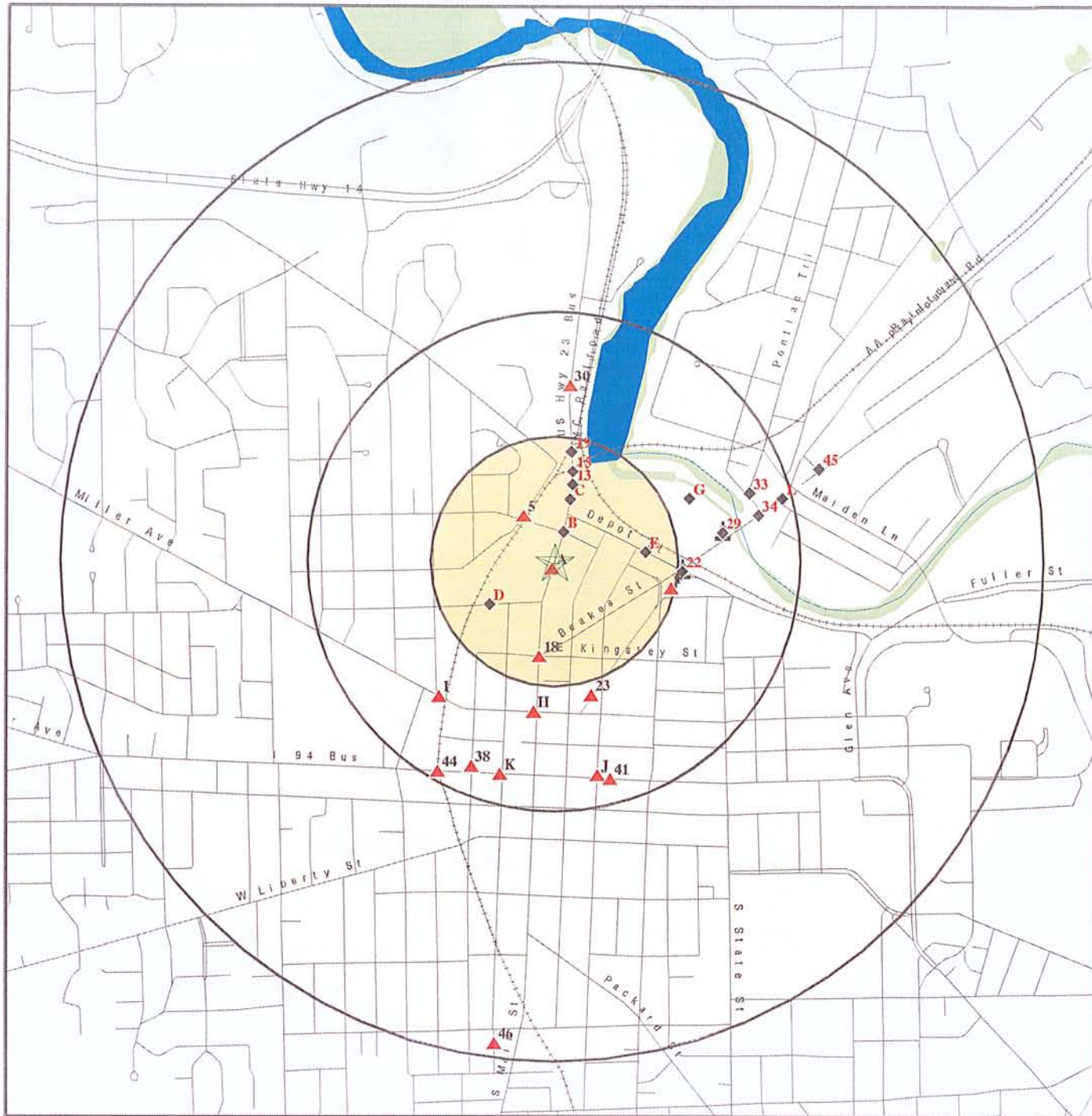
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE ANN ARBOR GAS CO	BROADWAY STREET	E 1/4 - 1/2 (0.345 mi.)	29	47

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
DELONG BBQ PIT	AUL
EATON CORPORATION	SHWS
MICH CON BEAKES ST	SHWS
UNIV OF MICH HOSPITAL FULLER RD	SHWS
UM NORTH CAMPUS LANDFILL AREA	SHWS
GEORGETOWN CLEANERS	SHWS
U OF M ARGUS BUILDING	SHWS
AVFUEL BULK FACILITY	SHWS
UNIVERSITY OF MICH LF NO 1	SHWS
BEADES & SUMMIT STS	CERC-NFRAP
BROADWAY	CERC-NFRAP
WASHINGTON HTS	CERC-NFRAP
MADISON & MAIN STREETS	BROWNFIELDS
EASEMENT PROPERTY INTERSECTION	LUST
CITY OF ANN ARBOR	RCRA-SQG
2020 COMMUNICATIONS	RCRA-NonGen
JACKSON AVE WB & I 94 RAMP	RCRA-NonGen, FINDS
4285 S MAIN	RCRA-NonGen
14 USHY 23 RAMP OVERB	RCRA-NonGen, FINDS
WATERS CORPORATION	RCRA-CESQG
KROGER CO OF MICHIGAN	RCRA-CESQG
ARMORTHANE OF MICHIGAN LLC	RCRA-CESQG
4001 S STATE	RCRA-CESQG, FINDS
NEAR MAPLE STREET	ERNS
NORTH MAPLE AND DEXTER AVENUE	FINDS
202 AND 212 SOUTH DIVISION	US BROWNFIELDS
202ND & S DIVISION	BEA
2235TH & S STATE	BEA
S 331ST & S 5TH	BEA
212216 S STATE ST	BEA
320TH & 340 DEPOT ST	BEA
924936 N MAIN ST	BEA

OVERVIEW MAP - 2659840.2s



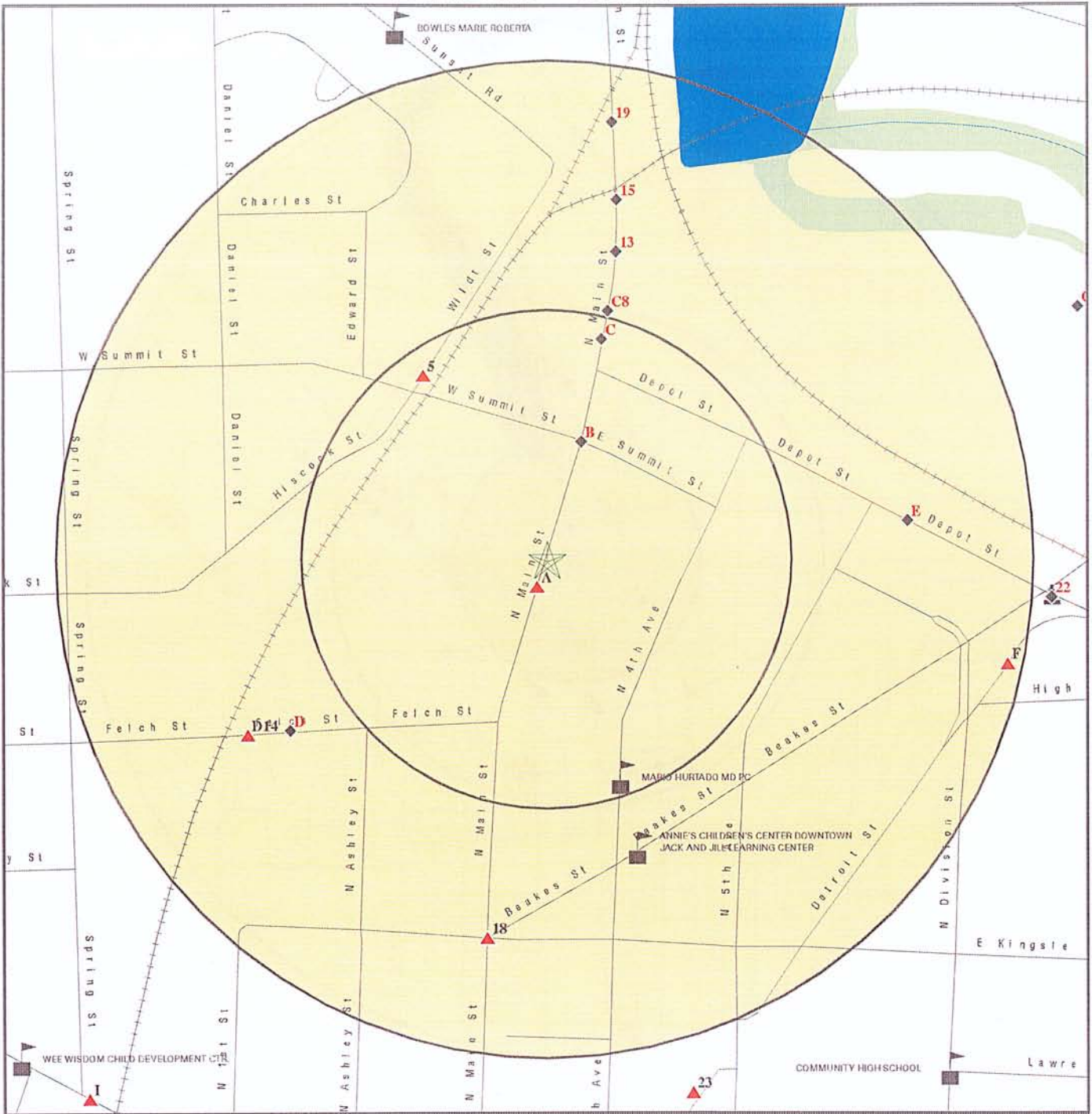
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Near North
 ADDRESS: 712 North Main Street
 Ann Arbor MI 48104
 LAT/LONG: 42.2876 / 83.7477

CLIENT: Soil & Materials Engineers
 CONTACT: JP Buckingham
 INQUIRY #: 2659840.2s
 DATE: December 15, 2009 12:49 pm

DETAIL MAP - 2659840.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: Near North ADDRESS: 712 North Main Street Ann Arbor MI 48104 LAT/LONG: 42.2876 / 83.7477</p>	<p>CLIENT: Soil & Materials Engineers CONTACT: JP Buckingham INQUIRY #: 2659840.2s DATE: December 15, 2009 12:49 pm</p>
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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	1	0	NR	NR	NR	1
RCRA-CESQG		0.250	1	3	NR	NR	NR	4
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	1	2	2	NR	5
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	1	4	14	NR	NR	19
INDIAN LUST		0.500	0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
UST		0.250	2	6	NR	NR	NR	8
AST		0.250	1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN UST		0.250	0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
AUL		0.500	0	0	1	NR	NR	1
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS		0.500	1	0	1	NR	NR	2
ADDITIONAL ENVIRONMENTAL RECORDS								
<i>Local Brownfield lists</i>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL		TP	NR	NR	NR	NR	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA-NonGen		0.250	1	1	NR	NR	NR	2
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
TSCA	TP	TP	NR	NR	NR	NR	NR	0
FTTS	TP	TP	NR	NR	NR	NR	NR	0
HIST FTTS	TP	TP	NR	NR	NR	NR	NR	0
SSTS	TP	TP	NR	NR	NR	NR	NR	0
ICIS	TP	TP	NR	NR	NR	NR	NR	0
PADS	TP	TP	NR	NR	NR	NR	NR	0
MLTS	TP	TP	NR	NR	NR	NR	NR	0
RADINFO	TP	TP	NR	NR	NR	NR	NR	0
FINDS	TP	TP	NR	NR	NR	NR	NR	0
RAATS	TP	TP	NR	NR	NR	NR	NR	0
UIC	TP	TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES	TP	TP	NR	NR	NR	NR	NR	0
AIRS	TP	TP	NR	NR	NR	NR	NR	0
BEA		0.500	1	3	4	NR	NR	8
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	TP	TP	NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		1.000	0	0	2	0	NR	2
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **CITY GARAGE**
SSW **721 N MAIN ST**
< 1/8 **ANN ARBOR, MI 48104**
0.015 mi.
78 ft. **Site 1 of 2 in cluster A**

LUST **U000266500**
UST **N/A**
AST

Relative:
Higher

LUST:
Facility ID: 00008427
Source: STATE OF MICHIGAN
Owner Name: City of Ann Arbor
Owner Address: PO Box 8647
Owner City,St,Zip: Ann Arbor, MI 48107-8647
Owner Contact: Not reported
Owner Phone: (734) 994-6095
Country: USA
District: Jackson District Office
Site Name: City Of Ann Arbor Garage
Latitude: 42.2876980000
Longitude: -83.7479410000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
795 ft.

Leak Number: C-0753-95
Release Date: Jun 16 1995
Substance Released: Diesel
Release Status: Closed
Release Closed Date: Jan 5 2000

Leak Number: C-1129-89
Release Date: Dec 15 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Jan 5 2000

Leak Number: C-2246-91
Release Date: Oct 23 1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Jan 5 2000

UST:
Facility ID: 00008427
Facility Type: CLOSED
Latitude: 42.2876980000
Longitude: -83.7479410000
Owner Name: City of Ann Arbor
Owner Address: PO Box 8647
Owner City,St,Zip: Ann Arbor, MI 48107-8647
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 994-6095
Contact: SANDRA M KENZIE
Contact Phone: (734) 994-2744
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

EDR ID Number
EPA ID Number
Database(s)

CITY GARAGE (Continued)

U000266500

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 500
Install Date: Apr 3 1971
Product: Used Oil
Remove Date: Sep 15 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 2 1978
Product: Diesel
Remove Date: Dec 14 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Closed in Ground
Capacity: Not reported
Install Date: Not reported
Product: UNK
Remove Date: Jun 16 1995
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

AST:

Type: ACTIVE
Owner Name: City of Ann Arbor
Owner Address: 4251 Stone School Rd
Owner City,St,Zip: Ann Arbor, MI 48108-9792
Owner County: USA
Owner Contact: Not reported
Owner Telephone: () -
Facility ID: 91081031

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY GARAGE (Continued)

U000266500

District: Jackson District Office
Contact: Jim Hackbarth
Facility Phone: (734) 994-2815
Tank ID: 1
Tank Status: Currently In Use
Capacity: 12000
Install Date: Not reported
Close Date: Not reported
Content: Flammable Liquid
Latitude: 42.2880880000
Longitude: -83.7484580000
Date of Collection: 21-10-2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: City of Ann Arbor
Owner Address: 4251 Stone School Rd
Owner City,St,Zip: Ann Arbor, MI 48108-9792
Owner County: USA
Owner Contact: Not reported
Owner Telephone: () -
Facility ID: 91081031
District: Jackson District Office
Contact: Jim Hackbarth
Facility Phone: (734) 994-2815
Tank ID: 2
Tank Status: Currently In Use
Capacity: 20000
Install Date: Not reported
Close Date: Not reported
Content: Combustible Liquid
Latitude: 42.2880880000
Longitude: -83.7484580000
Date of Collection: 21-10-2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Owner County: USA
Owner Contact: Jim Rachwal
Owner Telephone: (313) 897-1318
Facility ID: 93084015
District: Jackson District Office

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CITY GARAGE (Continued)

U000266500

Contact: Robert Bacylinski
Facility Phone: (313) 577-7224
Tank ID: 1
Tank Status: Currently In Use
Capacity: 18000
Install Date: Jan 1 2000
Close Date: Not reported
Content: CNG
Latitude: 42.2884100000
Longitude: -83.7489300000
Date of Collection: 24-04-2002
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

Type: ACTIVE
Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Owner County: USA
Owner Contact: Jim Rachwal
Owner Telephone: (313) 897-1318
Facility ID: 93084015
District: Jackson District Office
Contact: Robert Bacylinski
Facility Phone: (313) 577-7224
Tank ID: 2
Tank Status: Currently In Use
Capacity: 18000
Install Date: Jan 1 2000
Close Date: Not reported
Content: CNG
Latitude: 42.2884100000
Longitude: -83.7489300000
Date of Collection: 24-04-2002
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Description of Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard P

A2 CITY OF ANN ARBOR
SSW 721 N MAIN ST
< 1/8 ANN ARBOR, MI 48104
0.015 mi.
78 ft. Site 2 of 2 in cluster A

RCRA-SQG 1000102256
FINDS MID981795701

Relative: RCRA-SQG:
Higher Date form received by agency: 08/25/2005
Facility name: CITY OF ANN ARBOR
Actual: Facility address: 721 N MAIN ST
795 ft. ANN ARBOR, MI 48104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF ANN ARBOR (Continued)

1000102256

EPA ID: MID981795701
Contact: THOMAS GIBBONS
Contact address: 721 N MAIN ST
ANN ARBOR, MI 48104
Contact country: Not reported
Contact telephone: (734) 994-2817
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CITY OF ANN ARBOR
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: CITY OF ANN ARBOR
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

CITY OF ANN ARBOR (Continued)

1000102256

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 11/10/1986
Facility name: CITY OF ANN ARBOR
Classification: Small Quantity Generator

Date form received by agency: 01/01/1980
Facility name: CITY OF ANN ARBOR
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003623963

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B3 **MAIN & SUMMIT** **BROWNFIELDS** **S106515669**
NNE **800 N MAIN**
< 1/8 **ANN ARBOR, MI** **N/A**
0.061 mi.
324 ft. **Site 1 of 2 in cluster B**

Relative: **BROWNFIELD:**
Lower Facility ID: 50002480
 Region: 1
Actual: Status: PLP
782 ft. Property Use: Not reported
 BEA: Not reported
 Ernie Id Number: 81000530
 Redevelop Status: Not reported
 Before Redevelopment: Not reported
 After Redevelopment: Not reported

B4 **MELVIN & BETTY LEWIS** **UST** **U004066566**
NNE **800 N MAIN**
< 1/8 **ANN ARBOR, MI 48197** **N/A**
0.061 mi.
324 ft. **Site 2 of 2 in cluster B**

Relative: **UST:**
Lower Facility ID: 00041930
 Facility Type: ACTIVE
Actual: Latitude: 42.2886320000
782 ft. Longitude: -83.7472290000
 Owner Name: Melvin Lewis
 Owner Address: 4004 Textile Rd
 Owner City,St,Zip: Ypsilanti, MI 48197-9017
 Owner Country: USA
 Owner Contact: Not reported
 Owner Phone: (734) 262-5102
 Contact: Melvin Lewis
 Contact Phone: (734) 262-5102
 Date of Collection: 01-11-2001
 Accuracy: 100
 Accuracy Value Unit: FEET
 Horizontal Datum: NAD83
 Source: STATE OF MICHIGAN
 Point Line Area: POINT
 Desc Category: Plant Entrance (Freight)
 Method of Collection: Address Matching-House Number

Tank ID: 3
Tank Status: **Temporarily out of Use**
Capacity: 500
Install Date: Not reported
Product: UNK
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

MELVIN & BETTY LEWIS (Continued)

U004066566

Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: UNK
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: UNK
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 4
Tank Status: Temporarily out of Use
Capacity: 500
Install Date: Not reported
Product: UNK
Remove Date: Not reported
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

5
NW
< 1/8
0.112 mi.
590 ft.

815 WILDT ST
ANN ARBOR CITY, MI 48103

BEA S105768029
N/A

Relative:
Higher

Actual:
803 ft.

BEA:
Secondary Address: Ann Arbor, MI
BEA Number: 295
District: Jackson
Date Received: 6/7/2001 12:59:00 AM
Submitter Name: Wildt LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: lipinski
Division Assigned: Environmental Response Division

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C6 **MAIN ST MOTORS**
NNE **906 N MAIN ST**
< 1/8 **ANN ARBOR, MI 48104**
0.113 mi.
597 ft. **Site 1 of 3 in cluster C**

RCRA-CESQG **1000529875**
FINDS **MID985623560**

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 09/30/2001

Facility name: MAIN ST MOTORS

Facility address: 906 N MAIN ST
ANN ARBOR, MI 48104

EPA ID: MID985623560

Contact: DUSTIN GOUDY

Contact address: 906 N MAIN ST
ANN ARBOR, MI 48104

Contact country: Not reported

Contact telephone: (734) 663-5544

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: JAY WILLIAMS

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/01/1985

Owner/Op end date: Not reported

Owner/operator name: JAY WILLIAMS

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 05/01/1985

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

MAIN ST MOTORS (Continued)

1000529875

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/30/1991
Facility name: MAIN ST MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003663697

Environmental Interest/Information System

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MAIN ST MOTORS (Continued)

1000529875

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C7
NNE
 < 1/8
 0.114 mi.
 601 ft.

ANN ARBOR AUTO SERVICE INC
907 N MAIN ST
ANN ARBOR, MI 48104
Site 2 of 3 in cluster C

RCRA-NonGen **1000102259**
FINDS **MID985575729**

Relative:
Lower

RCRA-NonGen:
 Date form received by agency: 09/30/2003
 Facility name: ANN ARBOR AUTO SERVICE INC
 Facility address: 907 N MAIN ST
 ANN ARBOR, MI 48104
 EPA ID: MID985575729
 Contact: DENNIS WILLIAMS
 Contact address: 907 N MAIN ST
 ANN ARBOR, MI 48104
 Contact country: Not reported
 Contact telephone: (734) 665-3725
 Contact email: Not reported
 EPA Region: 05
 Land type: Other land type
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
782 ft.

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 11/06/2003
 Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
 Owner/operator address: Not reported
 Not reported
 Owner/operator country: Not reported
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 11/06/2003
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR AUTO SERVICE INC (Continued)

1000102259

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 04/24/2003
Facility name: ANN ARBOR AUTO SERVICE INC
Classification: Not a generator, verified

Date form received by agency: 02/20/1990
Facility name: ANN ARBOR AUTO SERVICE INC
Classification: Not a generator, verified

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/08/2002
Date achieved compliance: 08/19/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR AUTO SERVICE INC (Continued)

1000102259

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/08/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/19/2002
Evaluation lead agency: State

FINDS:

Registry ID: 110003637743

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C8
NNE
1/8-1/4
0.128 mi.
677 ft.

ALLEN CREEK DRAIN
912 N MAIN ST
ANN ARBOR, MI
Site 3 of 3 in cluster C

SHWS S103086312
N/A

Relative:
Lower

SHWS:
Facility ID: 81000094
Facility Status: Interim Response in progress
Source: null
SAM Score: 28 out o
SAM Score Date: 6/18/2004
Township: 02S
Range: 06E
Section: 20
Quarter: SE
Quarter/Quarter: SE
Pollutants: Benzene; Ethylbenzene; Toluene; Xylenes

Actual:
782 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

D9 **C.B DEVELOPMENT**
WSW **220 FELCH ST**
1/8-1/4 **ANN ARBOR, MI 48108**
0.157 mi.
827 ft. **Site 1 of 5 in cluster D**

LUST **U003082673**
UST **N/A**

Relative:
Lower

LUST:
Facility ID: 00020892
Source: STATE OF MICHIGAN
Owner Name: Cb Development
Owner Address: 725 W Ellsworth Rd
Owner City,St,Zip: Ann Arbor, MI 48108-3320
Owner Contact: Not reported
Owner Phone: (734) 769-6781
Country: USA
District: Jackson District Office
Site Name: C.b Development
Latitude: 42.2865110000
Longitude: -83.7506440000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
790 ft.

Leak Number: C-0851-92
Release Date: May 26 1992
Substance Released: Diesel
Release Status: Closed
Release Closed Date: Apr 23 1997

Leak Number: C-0856-92
Release Date: May 28 1992
Substance Released: Diesel
Release Status: Closed
Release Closed Date: Apr 23 1997

Leak Number: C-0908-92
Release Date: Jun 4 1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Apr 23 1997

UST:

Facility ID: 00020892
Facility Type: CLOSED
Latitude: 42.2865110000
Longitude: -83.7506440000
Owner Name: Cb Development
Owner Address: 725 W Ellsworth Rd
Owner City,St,Zip: Ann Arbor, MI 48108-3320
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 769-6781
Contact: DONALD BUTCHER
Contact Phone: (734) 769-6781
Date of Collection: 01-11-2001
Accuracy: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C.B DEVELOPMENT (Continued)

U003082673

Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Not reported
Product: Diesel
Remove Date: May 28 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 500
Install Date: May 11 1969
Product: Gasoline
Remove Date: May 28 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: Diesel
Remove Date: May 28 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Diesel
Remove Date: May 28 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C.B DEVELOPMENT (Continued)

U003082673

Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

D10
WSW
1/8-1/4
0.157 mi.
827 ft.

220 FELCH STREET
ANN ARBOR TOWNSHIP, MI

BEA S105768045
N/A

Site 2 of 5 in cluster D

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 54

Actual:
790 ft.

District: Jackson
Date Received: 12/18/1996
Submitter Name: Ann Arbor Art Association
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: tempmm
Division Assigned: Storage Tank Division

D11
WSW
1/8-1/4
0.157 mi.
827 ft.

C B DEVELOPMENT
220 FELCH
ANN ARBOR, MI 48103

RCRA-CESQG 1000865381
FINDS MI0000028795

Site 3 of 5 in cluster D

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 10/14/1993
Facility name: C B DEVELOPMENT
Facility address: 220 FELCH
ANN ARBOR, MI 48103

Actual:
790 ft.

EPA ID: MI0000028795
Mailing address: 725 ELLSWORTH
ANN ARBOR, MI 48108
Contact: JACOB HAAS
Contact address: 220 FELCH
ANN ARBOR, MI 48103

Contact country: Not reported
Contact telephone: (313) 769-6781
Contact email: Not reported
EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C B DEVELOPMENT (Continued)

1000865381

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: C B DEVELOPMENT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: C B DEVELOPMENT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

C B DEVELOPMENT (Continued)

1000865381

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003559596

Environmental Interest/Information System

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D12 ANN ARBOR ART CTR (FORMER STANDARD OIL)
WSW 220 FELCH
1/8-1/4 ANN ARBOR CITY, MI
0.158 mi.
832 ft. Site 4 of 5 in cluster D

BEA S109416630
N/A

Relative: BEA:
Lower Secondary Address: Not reported
BEA Number: 949
Actual: District: Jackson
790 ft. Date Received: 1/15/2009 12:59:00 AM
Submitter Name: A2 Real Property Group LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: katkov
Division Assigned: RRD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

13
NNE
1/8-1/4
0.158 mi.
835 ft.

MOLECULAR THERAPEUTICS INC
924 N MAIN ST
ANN ARBOR, MI 48104

RCRA-CESQG 1007099208
MIK637239567

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 07/11/2003

Facility name: MOLECULAR THERAPEUTICS INC

Facility address: 924 N MAIN ST
ANN ARBOR, MI 48104

EPA ID: MIK637239567

Contact: KRISTIN BUSSCHAU

Contact address: 924 N MAIN ST
ANN ARBOR, MI 48104

Contact country: Not reported

Contact telephone: (734) 222-9000

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: LIMESTONE LLC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 07/11/2003

Owner/Op end date: Not reported

Owner/operator name: LIMESTONE LLC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 07/11/2003

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MOLECULAR THERAPEUTICS INC (Continued)

1007099208

Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No
 Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
 Accumulated waste on-site: No
 Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
 Accumulated waste on-site: No
 Generated waste on-site: No

Waste type: MERCURY SWITCHES
 Accumulated waste on-site: No
 Generated waste on-site: No

Waste type: Batteries
 Accumulated waste on-site: No
 Generated waste on-site: No

Waste type: Lamps
 Accumulated waste on-site: No
 Generated waste on-site: No

Waste type: Pesticides
 Accumulated waste on-site: No
 Generated waste on-site: No

Waste type: Thermostats
 Accumulated waste on-site: No
 Generated waste on-site: No

Violation Status: No violations found

D14 **DALE KRULL CONST**
WSW **221 FELCH ST**
1/8-1/4 **ANN ARBOR, MI 48108**
0.176 mi.
931 ft. **Site 5 of 5 in cluster D**

LUST **U001147611**
UST **N/A**

Relative: **LUST:**
Higher Facility ID: 00036137
 Source: STATE OF MICHIGAN
Actual: Owner Name: B & H Investments
793 ft. Owner Address: 725 W Ellsworth Rd

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALE KRULL CONST (Continued)

U001147611

Owner City,St,Zip: Ann Arbor, MI 48108-3320
Owner Contact: Not reported
Owner Phone: (734) 769-6781
Country: USA
District: Jackson District Office
Site Name: Saline Construction
Latitude: 42.2862370000
Longitude: -83.7504490000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0852-92
Release Date: May 27 1992
Substance Released: Diesel
Release Status: Closed
Release Closed Date: Jul 7 1993

UST:

Facility ID: 00036137
Facility Type: CLOSED
Latitude: 42.2862370000
Longitude: -83.7504490000
Owner Name: B & H Investments
Owner Address: 725 W Ellsworth Rd
Owner City,St,Zip: Ann Arbor, MI 48108-3320
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 769-6781
Contact: JACOB W. HAAS
Contact Phone: (734) 769-6781
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 5000
Install Date: Jan 1 1975
Product: Gasoline
Remove Date: Jun 20 1996
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Unknown
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

15
North
1/8-1/4
0.184 mi.
970 ft.

ROBEY TIRE
936 N MAIN ST
ANN ARBOR, MI 48104

UST U002303342
N/A

Relative:
Lower

UST:

Actual:
788 ft.

Facility ID: 00036426
Facility Type: CLOSED
Latitude: 42.2904920000
Longitude: -83.7469060000
Owner Name: Spartan Prop
Owner Address: 10419 Lakeview Dr
Owner City,St,Zip: Whitmore Lake, MI 48189-9332
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 449-4966
Contact: TINA WHITE
Contact Phone: (734) 994-4242
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 500
Install Date: Not reported
Product: NEW/OIL
Remove Date: Sep 30 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: WASTE/OIL
Remove Date: Sep 30 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E16 MICH CON BEAKES ST
East 340 DEPOT ST
1/8-1/4 ANN ARBOR TOWNSHIP, MI
0.185 mi.
978 ft. **Site 1 of 2 in cluster E**

BEA S105542077
N/A

Relative:
Lower

BEA:
Secondary Address: Not reported
BEA Number: 142
District: Jackson
Date Received: 7/17/1998
Submitter Name: Xcess, Ltd.
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: temppm
Division Assigned: Storage Tank Division

Actual:
778 ft.

Secondary Address: Not reported
BEA Number: 265
District: Jackson
Date Received: 10/25/2000
Submitter Name: Mark Pfaff
Petition Determination: No Request
Petition Disclosure: 0
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: massonp
Division Assigned: Environmental Response Division

E17 DTE MICHIGAN
East 340 DEPOT ST
1/8-1/4 ANN ARBOR, MI 48104
0.185 mi.
978 ft. **Site 2 of 2 in cluster E**

RCRA-CESQG 1004725869
FINDS MIR000101456

Relative:
Lower

RCRA-CESQG:
Date form received by agency: 02/19/2008
Facility name: DTE MICHIGAN
Facility address: 340 DEPOT ST
ANN ARBOR, MI 48104
EPA ID: MIR000101456
Mailing address: 2000 2ND AVE
DETROIT, MI 48226
Contact: BETTY WHITE-CLARK
Contact address: 340 DEPOT ST
ANN ARBOR, MI 48104
Contact country: Not reported
Contact telephone: (313) 389-7765
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less

Actual:
778 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE MICHIGAN (Continued)

1004725869

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: ALLIED ENTERPRISES-PROPERTY OWNER
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/28/2002
Owner/Op end date: Not reported

Owner/operator name: MICHIGAN CONSOLIDATED GAS
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1901
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DTE MICHIGAN (Continued)

1004725869

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 09/30/2005
Facility name: DTE MICHIGAN
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/29/2005
Facility name: DTE MICHIGAN
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/04/2004
Facility name: DTE MICHIGAN
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2002
Facility name: DTE MICHIGAN
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/28/2002
Facility name: DTE MICHIGAN
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/02/2001
Facility name: DTE MICHIGAN
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110003716685

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

DTE MICHIGAN (Continued)

1004725869

corrective action activities required under RCRA.

18
South
1/8-1/4
0.192 mi.
1015 ft.

BEAKES STREET SERVICE STATION
101 BEAKES ST
ANN ARBOR, MI 48107

LUST U000266122
UST N/A

Relative:
Higher

Actual:
813 ft.

LUST:
Facility ID: 00010245
Source: STATE OF MICHIGAN
Owner Name: City of Ann Arbor
Owner Address: PO Box 8647
Owner City,St,Zip: Ann Arbor, MI 48107-8647
Owner Contact: Not reported
Owner Phone: (734) 994-6095
Country: USA
District: Jackson District Office
Site Name: Beakes St
Latitude: 42.2850640000
Longitude: -83.7483120000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0587-89
Release Date: Sep 27 1989
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Aug 23 1994

UST:
Facility ID: 00010245
Facility Type: CLOSED
Latitude: 42.2850640000
Longitude: -83.7483120000
Owner Name: City of Ann Arbor
Owner Address: PO Box 8647
Owner City,St,Zip: Ann Arbor, MI 48107-8647
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 994-6095
Contact: DANIEL J. CULLEN
Contact Phone: (734) 994-6696
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

BEAKES STREET SERVICE STATION (Continued)

U000266122

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 11 1956
Product: Used Oil
Remove Date: Sep 27 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 2000
Install Date: Apr 11 1956
Product: Gasoline
Remove Date: Sep 27 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 500
Install Date: Apr 11 1956
Product: FUEL OIL
Remove Date: Sep 27 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 11 1956
Product: Gasoline
Remove Date: Sep 27 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAKES STREET SERVICE STATION (Continued)

U000266122

Tank Status: Removed from Ground
Capacity: 3000
Install Date: Apr 11 1956
Product: Gasoline
Remove Date: Sep 27 1989
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

19
North
1/8-1/4
0.222 mi.
1170 ft.

MAIN STREET MOTORS
906 N MAIN MAIN & DEPOT
ANN ARBOR, MI 48104

UST U000266575
N/A

Relative:
Lower

UST:
Facility ID: 00013646
Facility Type: CLOSED
Latitude: 42.2894830000
Longitude: -83.7469790000
Owner Name: Main St Motors
Owner Address: 906 N Main St
Owner City,St,Zip: Ann Arbor, MI 48104-1035
Owner Country: USA
Owner Contact: Not reported
Owner Phone: () -
Contact: JAY WILLIAMS
Contact Phone: (734) 663-5544
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Apr 28 1961
Product: Not reported
Remove Date: Jan 1 1985
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 28 1961

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAIN STREET MOTORS (Continued)

U000266575

Product: Not reported
Remove Date: Jan 1 1985
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Cathodically Protected Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Apr 28 1961
Product: Not reported
Remove Date: Jan 1 1985
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Cathodically Protected Steel
Impressed Device: No

F20
ESE
1/8-1/4
0.242 mi.
1278 ft.

ARCURE MOTORS
617 DETROIT ST
ANN ARBOR, MI 49654
Site 1 of 2 in cluster F

LUST U000266475
UST N/A

Relative:
Higher

Actual:
804 ft.

LUST:
Facility ID: 00017633
Source: STATE OF MICHIGAN
Owner Name: Arcure Motors
Owner Address: PO Box 1100
Owner City,St,Zip: Leland, MI 49654-1100
Owner Contact: Not reported
Owner Phone: (616) 386-7616
Country: USA
District: Jackson District Office
Site Name: Arcure Motors
Latitude: 42.2864460000
Longitude: -83.7437920000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0771-94
Release Date: Jul 22 1994
Substance Released: Used Oil
Release Status: Closed
Release Closed Date: Feb 17 1995

UST:
Facility ID: 00017633

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCURE MOTORS (Continued)

U000266475

Facility Type: CLOSED
Latitude: 42.2864460000
Longitude: -83.7437920000
Owner Name: Arcure Motors
Owner Address: PO Box 1100
Owner City,St,Zip: Leland, MI 49654-1100
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 386-7616
Contact: LEE ARCURE
Contact Phone: (616) 386-7616
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 300
Install Date: Apr 25 1976
Product: Used Oil
Remove Date: Jul 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 275
Install Date: Apr 25 1976
Product: Used Oil
Remove Date: Jul 21 1994
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

F21 AUTO STRASSE LTD
ESE 617 DETROIT ST
1/8-1/4 ANN ARBOR, MI 48104
0.242 mi.
1278 ft. Site 2 of 2 in cluster F

RCRA-NonGen 1000427105
FINDS MID016708919

Relative: RCRA-NonGen:
Higher Date form received by agency: 06/02/1986
Facility name: AUTO STRASSE LTD
Actual: Facility address: 617 DETROIT ST
804 ft. ANN ARBOR, MI 48104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO STRASSE LTD (Continued)

1000427105

EPA ID: MID016708919
Contact: BRUCE HERTER
Contact address: 617 DETROIT ST
ANN ARBOR, MI 48104
Contact country: Not reported
Contact telephone: (313) 663-1750
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/03/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AUTO STRASSE LTD (Continued)

1000427105

Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Violation Status: No violations found

FINDS:

Registry ID: 110003586110

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

22
East
1/4-1/2
0.260 mi.
1372 ft.

**CITY GAS WORKS
BEAKES STREET
ANN ARBOR, MI 48104**

**Manufactured Gas Plants 1008408080
N/A**

Relative:
Lower

Manufactured Gas Plants:
Alternate Name: ANN ARBOR GAS CO.

Actual:
783 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

23 DE LONG BBQ PIT
SSE 314 DETROIT ST
1/4-1/2 ANN ARBOR, MI 48104
0.277 mi.
1464 ft.

LUST U003790732
UST N/A
BEA

Relative:
Higher

LUST:

Facility ID: 00040666
Source: STATE OF MICHIGAN
Owner Name: Mav Corporation
Owner Address: 484 Deer Street
Owner City,St,Zip: Plymouth, MI 48170
Owner Contact: Not reported
Owner Phone: (734) 930-6700
Country: USA
District: Jackson District Office
Site Name: De Long Bbq Pit
Latitude: 42.2838510000
Longitude: -83.7462510000
Date of Collection: 10-05-2004
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
831 ft.

Leak Number: C-0160-01
Release Date: Mar 14 2001
Substance Released: Other
Release Status: Closed
Release Closed Date: Aug 7 2001

UST:

Facility ID: 00040666
Facility Type: CLOSED
Latitude: 42.2838510000
Longitude: -83.7462510000
Owner Name: Mav Corporation
Owner Address: 484 Deer Street
Owner City,St,Zip: Plymouth, MI 48170
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 930-6700
Contact: ROB ALDRICH
Contact Phone: (734) 930-6700
Date of Collection: 10-05-2004
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Not reported
Product: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DE LONG BBQ PIT (Continued)

U003790732

Remove Date: May 21 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1500
Install Date: Not reported
Product: Gasoline
Remove Date: May 21 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1500
Install Date: Not reported
Product: Gasoline
Remove Date: May 21 2001
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Closed in Ground
Capacity: 1500
Install Date: Not reported
Product: Gasoline
Remove Date: Jun 16 2002
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

BEA:

Secondary Address: Not reported
BEA Number: 279
District: Jackson
Date Received: 3/7/2001 12:59:00 AM
Submitter Name: MAV Development Company
Petition Determination: Denied

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DE LONG BBQ PIT (Continued)

U003790732

Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: massonp
Division Assigned: Storage Tank Division

G24
ENE
1/4-1/2
0.300 mi.
1584 ft.

BROADWAY
841 BROADWAY ST
ANN ARBOR, MI 48105

Site 1 of 3 in cluster G

LUST U002303338
UST N/A

Relative:
Lower

Actual:
761 ft.

LUST:
Facility ID: 00013224
Source: STATE OF MICHIGAN
Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Owner Contact: Jim Rachwal
Owner Phone: (313) 897-1318
Country: USA
District: Jackson District Office
Site Name: Broadway
Latitude: 42.2885010000
Longitude: -83.7425940000
Date of Collection: 21-10-2003
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0117-09
Release Date: Jul 27 2009
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0217-93
Release Date: Feb 2 1993
Substance Released: Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0829-92
Release Date: Jun 8 1992
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-0996-96
Release Date: Dec 3 1996
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-2567-91

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROADWAY (Continued)

U002303338

Release Date: Dec 11 1991
Substance Released: Unknown,Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00013224
Facility Type: CLOSED
Latitude: 42.2885010000
Longitude: -83.7425940000
Owner Name: MichCon
Owner Address: 7940 Livernois H-136 WSC
Owner City,St,Zip: Detroit, MI 48210
Owner Country: USA
Owner Contact: Jim Rachwal
Owner Phone: (313) 897-1318
Contact: Franklin LeForce
Contact Phone: (313) 897-1318
Date of Collection: 21-10-2003
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 10000
Install Date: May 5 1960
Product: Gasoline
Remove Date: Jun 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported
Product: Kerosene
Remove Date: Jun 22 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BROADWAY (Continued)

U002303338

Install Date: May 5 1970
Product: Used Oil
Remove Date: Dec 4 1996
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Gravity Fed?
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 12000
Install Date: Jan 1 1978
Product: Gasoline
Remove Date: Jul 27 2009
Tank Release Detection: Automatic Tank Gauging,Inventory Control,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Fiberglass reinforced plastic,Flexible Piping
Piping Type: Pressure
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

G25
ENE
1/4-1/2
0.300 mi.
1584 ft.

MICH CON BROADWAY ST
841 BROADWAY STREET
ANN ARBOR, MI 48105
Site 2 of 3 in cluster G

SHWS S105225062
N/A

Relative:
Lower

SHWS:
Facility ID: 81000025
Facility Status: Interim Response in progress
Source: Petroleum & Coal Products
SAM Score: 44 out o
SAM Score Date: 7/14/2004
Township: 02S
Range: 06E
Section: 20
Quarter: SW
Quarter/Quarter: SE
Pollutants: As; CN; Pb; Ni; Zn; Phthalates

Actual:
761 ft.

G26
ENE
1/4-1/2
0.300 mi.
1584 ft.

MICH. CON BROADWAY SITE
841 BROADWAY
ANN ARBOR, MI
Site 3 of 3 in cluster G

BROWNFIELDS S108417361
N/A

Relative:
Lower

BROWNFIELD:
Facility ID: Not reported
Region: 1
Status: PLP
Property Use: Not reported
BEA: No
Ernie Id Number: 81000025

Actual:
761 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICH. CON BROADWAY SITE (Continued)

S108417361

Redevelop Status: Not reported
Before Redevelopment: Not reported
After Redevelopment: Not reported

H27
South
1/4-1/2
0.303 mi.
1600 ft.

AMOCO OIL CO
300 N MAIN
ANN ARBOR, MI 48104
Site 1 of 2 in cluster H

RCRA-NonGen
FINDS
LUST
1000466031
MID985607571

Relative:
Higher

Actual:
824 ft.

RCRA-NonGen:
Date form received by agency: 10/03/2001
Facility name: AMOCO OIL CO
Facility address: 300 N MAIN
ANN ARBOR, MI 48104
EPA ID: MID985607571
Mailing address: P O BOX 352917
TOLEDO, OH 43635
Contact: KEVIN ENDRISS
Contact address: 300 N MAIN
ANN ARBOR, MI 48104
Contact country: Not reported
Contact telephone: (419) 842-1553
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: B P PRODUCTS N AMERICA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: B P PRODUCTS N AMERICA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Owner/operator name: AMOCO OIL CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1970

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO OIL CO (Continued)

1000466031

Owner/Op end date: Not reported
Owner/operator name: AMOCO OIL CO
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1970
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No
Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No
Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No
Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No
Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No
Waste type: Thermostats

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

EDR ID Number
EPA ID Number
Database(s)

AMOCO OIL CO (Continued)

1000466031

Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 03/05/1991
Facility name: AMOCO OIL CO
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110003653797

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00005725
Source: STATE OF MICHIGAN
Owner Name: Baydoun Ann Arbor LLC
Owner Address: 300 N Main St
Owner City,St,Zip: Ann Arbor, MI 48104
Owner Contact: Not reported
Owner Phone: 734-747-8210
Country: USA
District: Jackson District Office
Site Name: Amoco Station #5172
Latitude: 42.2833930000
Longitude: -83.7482760000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0372-92
Release Date: Mar 3 1992
Substance Released: Gasoline
Release Status: Closed
Release Closed Date: Oct 10 1996

MAP FINDINGS

Map ID			
Direction			EDR ID Number
Distance			EPA ID Number
Elevation	Site	Database(s)	

H28			
South	110 MILLER	BEA	S108084201
1/4-1/2	ANN ARBOR CITY, MI		N/A
0.304 mi.			
1603 ft.	Site 2 of 2 in cluster H		

Relative: BEA:

Higher Secondary Address: Not reported
 BEA Number: 335

Actual: District: Jackson

824 ft. Date Received: 1/4/2002 12:59:00 AM
 Submitter Name: Ann Arbor Real Estate Group LLC
 Petition Determination: Affirmed
 Petition Disclosure: 1
 Category: No Hazardous Substance(s)
 Determination 20107A: Affirmed
 Reviewer: katkov
 Division Assigned: Environmental Response Division

29	THE ANN ARBOR GAS CO	Manufactured Gas Plants	1008408081
East	BROADWAY STREET		N/A
1/4-1/2	ANN ARBOR, MI 48104		
0.345 mi.			
1820 ft.			

Relative: Manufactured Gas Plants:

Lower Alternate Name: THE WASHTENAW GAS CO. The former MGP at this site produced gas utilizing both the coal carbonization and carburetted water gas methods and operated from approximately 1899 to the early 1940s

Actual:

768 ft.

30	LANSKY SCRAPYARD	SHWS	S105144767
North	1100 N MAIN		N/A
1/4-1/2	ANN ARBOR, MI		
0.355 mi.			
1873 ft.			

Relative: SHWS:

Higher Facility ID: 81000093
 Facility Status: Interim Response in progress

Actual: Source: null

794 ft. SAM Score: 24 out o
 SAM Score Date: 6/18/2004
 Township: 02S
 Range: 06E
 Section: 20
 Quarter: SE
 Quarter/Quarter: NW
 Pollutants: PCB's; Diesel fuel; Metals; PNAs

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
 EPA ID Number

I31 BILL MUNCYS SERVICE
 SW 423 MILLER AVE.
 1/4-1/2 ANN ARBOR CITY, MI 48103
 0.357 mi.
 1884 ft. Site 1 of 2 in cluster I

AUL S109278301
 N/A

Relative:
 Higher

Actual:
 798 ft.

AUL:
 Status: Filed
 Site Name: Not reported
 Property: 423 Miller Ave., Ann Arbor
 Land Use Restriction Type: RC
 Program Type: Part 213
 Program Support Assigned User: Nicholas Swartz
 Program Support Assigned Date: 5/13/2009 11:19:22.66
 Legal Description Of Property: Migrated
 District: Not reported
 Based On The Deq Ref #: 11121305057
 MDEQ Reference Number: RC-RRD-213-05-057
 Property Or Description Restricted Area: Bill Muncy's Service
 Lead Division: STD
 File Name Of Hyperlinked Legal Doc: U:\KERMIT\11121305057.pdf
 Mapped Polygon S Area In Acres: 0.2177
 Mapped Polygon S Area In Square Miles: 0.0003
 Date Data Entry Started: 5/13/2009 00:00:00
 Date Data Entry Finished: 5/13/2009 00:00:00
 Individual Or Staff Assoc With The Mapping: Nicholas Swartz
 Program Used To Map Restricted Features: ArcInfo 9.3 and IcoM
 Map Comments: Property polygon is NOT mapped in KERMIT as of 10/10/2008. LUR is mapped in KERMIT as of 20090513 - Nick Swartz
 Request received on 6/15/2005.
 Comment:
 Date Legal Paperwork Stamped/Filed/Register Of Deeds: 11/10/1999 00:00:00
 Commercial I Land Use Restriction: 0
 Commercial Ii Land Use Restriction: 0
 Commercial Iii Land Use Restriction: 0
 Commercial Iv Land Use Restriction: 0
 Industrial Land Use Restriction: 0
 Residential Land Use Restriction: 0
 Recreational Land Use Restriction: 0
 Multiple Land-Use Restrictions: 0
 Site Specific Restrictions: 0
 Groundwater Consumption Restrictions: 1
 Groundwater Contact Restrictions: 0
 Special Well Construction Requirements: 0
 Special Building Restrictions: 0
 Excavation And Soil Movement Restrictions: 0
 Soil Movement Requirements: 1
 There Is A Restriction On All Construction: 0
 Monitoring Well Protected, No Tampering Or Removal: 0
 There Is An Exposure Barrier In Place: 0
 There Is A Health And Safety Plan: 1
 There Is A Permanent Marker On The Site: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I32 **BILL MUNCYS SERVICE**
SW **423 MILLER AVE**
1/4-1/2 **ANN ARBOR, MI 48103**
0.357 mi.
1884 ft. **Site 2 of 2 in cluster 1**

LUST **U001148462**
UST **N/A**

Relative:
Higher

Actual:
798 ft.

LUST:
Facility ID: 00037093
Source: STATE OF MICHIGAN
Owner Name: Bill Muncys Serv
Owner Address: 423 Miller Ave
Owner City,St,Zip: Ann Arbor, MI 48103-3339
Owner Contact: Not reported
Owner Phone: (734) 994-0873
Country: USA
District: Jackson District Office
Site Name: Bill Muncys Service
Latitude: 42.2836310000
Longitude: -83.7526370000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0073-99
Release Date: Feb 2 1999
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Jan 14 2000

UST:
Facility ID: 00037093
Facility Type: CLOSED
Latitude: 42.2836310000
Longitude: -83.7526370000
Owner Name: Bill Muncys Serv
Owner Address: 423 Miller Ave
Owner City,St,Zip: Ann Arbor, MI 48103-3339
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 994-0873
Contact: WM E MUNCY
Contact Phone: (734) 994-0873
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: **Closed in Ground**
Capacity: 500
Install Date: Not reported
Product: Used Oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BILL MUNCYS SERVICE (Continued)

U001148462

Remove Date: Jan 25 1999
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Not reported
Impressed Device: No

33
ENE
1/4-1/2
0.418 mi.
2208 ft.

**1012 PONTIAC ST
ANN ARBOR CITY, MI 48105**

BEA S106896579
N/A

Relative:
Lower

BEA:

Secondary Address: Not reported
BEA Number: 625
District: Jackson
Date Received: 5/20/2005 12:59:00 AM
Submitter Name: 1012 Associates LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: katkov
Division Assigned: Environmental Response Division

Actual:
782 ft.

34
ENE
1/4-1/2
0.424 mi.
2238 ft.

**ANN ARBOR SERVICE CENTER
982 BROADWAY ST
ANN ARBOR, MI 48105**

LUST U000266565
UST N/A

Relative:
Lower

LUST:

Facility ID: 00010778
Source: STATE OF MICHIGAN
Owner Name: Detroit Edison Co
Owner Address: 7940 Livernois WSC Rm H-136
Owner City,St,Zip: Detroit, MI 48210
Owner Contact: Franklin LeForce
Owner Phone: (313) 897-1318
Country: USA
District: Jackson District Office
Site Name: Ann Arbor Service Center
Latitude: 42.2891070000
Longitude: -83.7393200000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
772 ft.

Leak Number: C-1243-97
Release Date: Dec 11 1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR SERVICE CENTER (Continued)

U000266565

Substance Released: Gasoline
Release Status: Closed
Release Closed Date: May 19 2000

UST:

Facility ID: 00010778
Facility Type: ACTIVE
Latitude: 42.2891070000
Longitude: -83.7393200000
Owner Name: Detroit Edison Co
Owner Address: 7940 Livernois WSC Rm H-136
Owner City,St,Zip: Detroit, MI 48210
Owner Country: USA
Owner Contact: Franklin LeForce
Owner Phone: (313) 897-1318
Contact: KATHLEEN M SHIELDS
Contact Phone: (313) 235-8226
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 405
Tank Status: Currently In Use
Capacity: 12000
Install Date: Nov 14 1997
Product: Gasoline,Diesel,BULK HEADED
Remove Date: Not reported
Tank Release Detection: Inter Monitoring Double Walled Tank
Pipe Realease Detection: Automatic Line Leak Detectors
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Composite(Steel w/Fiberglass),Double Walled
Impressed Device: No

Tank ID: 102
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 22 1970
Product: Gasoline
Remove Date: Nov 10 1997
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic
Impressed Device: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J35
SSE
1/4-1/2
0.436 mi.
2301 ft.

CITY OF ANN ARBOR FIRE DEPT
111 N 5TH AVE
ANN ARBOR, MI 48104
Site 1 of 3 in cluster J

RCRA-CESQG 1000828449
FINDS MID985655208
LUST
UST

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 09/19/2007

Facility name: CITY OF ANN ARBOR FIRE DEPT

Facility address: 111 N 5TH AVE
ANN ARBOR, MI 48104

EPA ID: MID985655208

Contact: MIKE MASTEN

Contact address: 111 N 5TH AVE
ANN ARBOR, MI 48104

Contact country: Not reported

Contact telephone: (734) 994-2773

Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CITY OF ANN ARBOR FIRE DEPT

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Operator

Owner/Op start date: 01/01/1978

Owner/Op end date: Not reported

Owner/operator name: CITY OF ANN ARBOR FIRE DEPT

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Owner

Owner/Op start date: 01/01/1978

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF ANN ARBOR FIRE DEPT (Continued)

1000828449

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:

Waste type: DEVICES CONTAINING ELEMENTAL MERCURY
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY THERMOMETERS
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: MERCURY SWITCHES
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:

Date form received by agency: 12/31/2001
Facility name: CITY OF ANN ARBOR FIRE DEPT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/23/1992
Facility name: CITY OF ANN ARBOR FIRE DEPT
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

EDR ID Number
EPA ID Number
Database(s)

CITY OF ANN ARBOR FIRE DEPT (Continued)

1000828449

FINDS:

Registry ID: 110009393398

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:

Facility ID: 00012808
Source: STATE OF MICHIGAN
Owner Name: City Of Ann Arbor
Owner Address: 111 N 5th Ave
Owner City,St,Zip: Ann Arbor, MI 48104-1405
Owner Contact: Not reported
Owner Phone: (734) 994-2772
Country: USA
District: Jackson District Office
Site Name: Ann Arbor Fire Station #1
Latitude: 42.2815450000
Longitude: -83.7462880000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-1558-92
Release Date: Sep 10 1992
Substance Released: Diesel
Release Status: Closed
Release Closed Date: Nov 25 1992

UST:

Facility ID: 00012808
Facility Type: CLOSED
Latitude: 42.2815450000
Longitude: -83.7462880000
Owner Name: City Of Ann Arbor
Owner Address: 111 N 5th Ave
Owner City,St,Zip: Ann Arbor, MI 48104-1405
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 994-2772
Contact: DENNIS HASLEY
Contact Phone: (734) 994-4907
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

CITY OF ANN ARBOR FIRE DEPT (Continued)

1000828449

Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Closed in Ground
Capacity: 300
Install Date: Mar 19 1977
Product: Used Oil
Remove Date: Sep 15 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Mar 19 1977
Product: Gasoline
Remove Date: Aug 8 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 3000
Install Date: Mar 19 1977
Product: Diesel,DIESEL
Remove Date: Aug 8 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Fiberglass Reinforced plastic,Lined Interior
Impressed Device: No

K36
SSW
1/4-1/2
0.438 mi.
2314 ft.

204 W HURON
ANN ARBOR CITY, MI 48104

Site 1 of 2 in cluster K

Relative:
Higher

Actual:
831 ft.

BEA:
Secondary Address: Not reported
BEA Number: 670
District: Jackson
Date Received: 11/22/2005 12:59:00 AM
Submitter Name: Ashley Terrace Condominiums LLC

BEA S107466504
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S107466504

Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ktkov
Division Assigned: Environmental Response Division

Secondary Address: Not reported
BEA Number: 669
District: Jackson
Date Received: 11/22/2005 12:59:00 AM
Submitter Name: Ashley Terrace Holdings LLC
Petition Determination: Affirmed
Petition Disclosure: 1
Category: No Hazardous Substance(s)
Determination 20107A: No Request
Reviewer: ktkov
Division Assigned: Environmental Response Division

K37
SSW
1/4-1/2
0.439 mi.
2317 ft.

ASHLEY TERRANCE DEVELOPMENT
208 WEST HURON STREET
ANN ARBOR, MI 48025
Site 2 of 2 in cluster K

LUST S108236587
N/A

Relative:
Higher

Actual:
831 ft.

LUST:
Facility ID: 00041872
Source: STATE OF MICHIGAN
Owner Name: Ashley Terrace Holdings LLC
Owner Address: 30600 Telegraph Rd Suite 4290
Owner City,St,Zip: Bingham Farms, MI 48025
Owner Contact: Not reported
Owner Phone: (248) 203-6458
Country: USA
District: Jackson District Office
Site Name: Ashley Terrance Development
Latitude: 42.2816670000
Longitude: -83.7500000000
Date of Collection: 06-02-2007
Method of Collection: Interpolation-Map
Accuracy: 40
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Not reported

Leak Number: C-0249-06
Release Date: Jul 24 2006
Substance Released: Gasoline,Diesel
Release Status: Closed
Release Closed Date: Jan 8 2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

38
SSW
1/4-1/2
0.442 mi.
2334 ft.

WCP INVESTMENTS PARTNERSHIP
117 N FIRST ST
ANN ARBOR, MI 48104

LUST U000714759
UST N/A

Relative:
Higher

LUST:
Facility ID: 00035012
Source: STATE OF MICHIGAN
Owner Name: Wcp Investments Partnership
Owner Address: 425 N Main St
Owner City,St,Zip: Ann Arbor, MI 48104-1157
Owner Contact: Not reported
Owner Phone: (734) 663-3213
Country: USA
District: Jackson District Office
Site Name: Wcp Investments Partnership
Latitude: 42.2817100000
Longitude: -83.7511390000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
819 ft.

Leak Number: C-3069-91
Release Date: Mar 19 1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Aug 6 1993

UST:
Facility ID: 00035012
Facility Type: CLOSED
Latitude: 42.2817100000
Longitude: -83.7511390000
Owner Name: Wcp Investments Partnership
Owner Address: 425 N Main St
Owner City,St,Zip: Ann Arbor, MI 48104-1157
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (734) 663-3213
Contact: THOMAS PORTER
Contact Phone: (734) 663-3213
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 15000
Install Date: Not reported
Product: UNK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

WCP INVESTMENTS PARTNERSHIP (Continued)

U000714759

Remove Date: Jul 6 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel,Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Unknown
Impressed Device: No

J39
SSE
1/4-1/2
0.442 mi.
2335 ft.

COMERICA BANK
300 E HURON ST
ANN ARBOR, MI 48226
Site 2 of 3 in cluster J

LUST U000715355
UST N/A

Relative:
Higher

Actual:
848 ft.

LUST:
Facility ID: 00035726
Source: STATE OF MICHIGAN
Owner Name: Comerica Inc
Owner Address: 211 W FORT ST
Owner City,St,Zip: DETROIT, MI 48226
Owner Contact: Not reported
Owner Phone: (313) 788-5697
Country: USA
District: Jackson District Office
Site Name: Comerica Bank Property
Latitude: 42.2811850000
Longitude: -83.7456370000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0439-85
Release Date: Oct 8 1991
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Mar 24 1993

UST:
Facility ID: 00035726
Facility Type: CLOSED
Latitude: 42.2811850000
Longitude: -83.7456370000
Owner Name: Comerica Inc
Owner Address: 211 W FORT ST
Owner City,St,Zip: DETROIT, MI 48226
Owner Country: USA
Owner Contact: Not reported
Owner Phone: (313) 788-5697
Contact: ROBERT L. EDER
Contact Phone: (517) 788-5697
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

EDR ID Number
EPA ID Number
Database(s)

COMERICA BANK (Continued)

U000715355

Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1974
Product: Gasoline
Remove Date: Sep 24 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Jan 1 1974
Product: Gasoline
Remove Date: Sep 24 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 3000
Install Date: Jan 1 1974
Product: Gasoline
Remove Date: Sep 24 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Heating Oil
Remove Date: Oct 10 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

COMERICA BANK (Continued)

U000715355

Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: 1000
Install Date: Not reported
Product: Used Oil
Remove Date: Oct 10 1991
Tank Release Detection: Not reported
Pipe Release Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

J40
SSE
1/4-1/2
0.446 mi.
2353 ft.
COMERICA BANK
312-314 E HURON
ANN ARBOR, MI 48326
Site 3 of 3 in cluster J

LUST U000715327
UST N/A

Relative:
Higher

Actual:
849 ft.

LUST:
Facility ID: 00035696
Source: STATE OF MICHIGAN
Owner Name: Comerica Bank
Owner Address: 3501 Hamlin Rd MC 2220
Owner City,St,Zip: Auburn Hills, MI 48326
Owner Contact: Maureen Jordan
Owner Phone: (248) 371-5203
Country: USA
District: Jackson District Office
Site Name: Comerica Bank
Latitude: 42.2811800000
Longitude: -83.7454590000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2100-91
Release Date: Oct 9 1991
Substance Released: Unknown
Release Status: Closed
Release Closed Date: Mar 24 1993

UST:
Facility ID: 00035696
Facility Type: CLOSED
Latitude: 42.2811800000
Longitude: -83.7454590000
Owner Name: Comerica Bank
Owner Address: 3501 Hamlin Rd MC 2220
Owner City,St,Zip: Auburn Hills, MI 48326

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COMERICA BANK (Continued)

U000715327

Owner Country: USA
Owner Contact: Maureen Jordan
Owner Phone: (248) 371-5203
Contact: Robert L Eder
Contact Phone: (517) 788-5697
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 1500
Install Date: Not reported
Product: Used Oil
Remove Date: Sep 24 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 1500
Install Date: Not reported
Product: Used Oil
Remove Date: Sep 24 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Suction: No Valve At Tank
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

41
SSE
1/4-1/2
0.449 mi.
2373 ft.

ANN ARBOR CO
324 E HURON ST
ANN ARBOR, MI 48104

LUST U000266343
UST N/A

Relative:
Higher

Actual:
851 ft.

LUST:
Facility ID: 00011653
Source: STATE OF MICHIGAN
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202-5399
Owner Contact: Derrick Taylor
Owner Phone: (887) 648-2073
Country: USA
District: Jackson District Office
Site Name: Michigan Bell Telephone

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR CO (Continued)

U000266343

Latitude: 42.2813280000
Longitude: -83.7454430000
Date of Collection: 21-10-2003
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-2440-91
Release Date: Nov 20 1991
Substance Released: Unknown,Unknown
Release Status: Closed
Release Closed Date: Nov 16 1992

UST:

Facility ID: 00011653
Facility Type: ACTIVE
Latitude: 42.2813280000
Longitude: -83.7454430000
Owner Name: AT&T Michigan
Owner Address: 308 S Akard Ste 1700
Owner City,St,Zip: Dallas, TX 75202-5399
Owner Country: USA
Owner Contact: Derrick Taylor
Owner Phone: (887) 648-2073
Contact: Environmental Management (Cheryl Allen)
Contact Phone: (866) 492-6836
Date of Collection: 21-10-2003
Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 15000
Install Date: May 8 1968
Product: Diesel
Remove Date: Nov 15 1991
Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Release Detection: Interstitial Monitoring/Second Containment
Piping Material: Cathodically Protected
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 15000
Install Date: May 8 1968
Product: Diesel
Remove Date: Nov 15 1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ANN ARBOR CO (Continued)

U000266343

Tank Release Detection: Automatic Tank Gauging,Manual Tank Gauging
Pipe Realease Detection: Interstitial Monitoring/Second Containment
Piping Material: Cathodically Protected
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 6000
Install Date: May 8 1976
Product: Kerosene
Remove Date: Jul 9 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Asphalt Coated or Bare Steel,Cathodically Protected Steel
Impressed Device: No

Tank ID: 4
Tank Status: Currently In Use
Capacity: 20000
Install Date: May 14 1992
Product: Kerosene
Remove Date: Not reported
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Inter Monitoring/Second Containment,Inventory Control,Tank Tightness Testing,Vapor Monitoring
Pipe Realease Detection: Not reported
Piping Material: Double Walled,Fiberglass reinforced plastic,Secondary Containment
Piping Type: Suction: Valve at Tank
Constr Material: Double Walled,Fiberglass Reinforced plastic
Impressed Device: No

L42 CLARK STORE #2121
ENE 1019 BROADWAY ST
1/4-1/2 ANN ARBOR, MI 48105
0.469 mi.
2474 ft. Site 1 of 2 in cluster L

LUST U000266127
UST N/A

Relative: LUST:
Lower Facility ID: 00009881
Source: STATE OF MICHIGAN
Actual: Owner Name: Clark Retail Enterprises Inc
776 ft. Owner Address: 3003 Butterfield Rd
Owner City,St,Zip: Oak Brook, IL 60523
Owner Contact: Kathleen C Junesic
Owner Phone: 630 366-3000
Country: USA
District: Jackson District Office
Site Name: Hop In #507
Latitude: 42.2895880000
Longitude: -83.7391150000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

CLARK STORE #2121 (Continued)

U000266127

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0382-02
Release Date: Jul 1 2002
Substance Released: Gasoline,Gasoline
Release Status: Open
Release Closed Date: Not reported

Leak Number: C-2550-90
Release Date: Dec 21 1990
Substance Released: Not reported
Release Status: Open
Release Closed Date: Not reported

UST:

Facility ID: 00009881
Facility Type: CLOSED
Latitude: 42.2895880000
Longitude: -83.7391150000
Owner Name: Clark Retail Enterprises Inc
Owner Address: 3003 Butterfield Rd
Owner City,St,Zip: Oak Brook, IL 60523
Owner Country: USA
Owner Contact: Kathleen C Junesic
Owner Phone: 630 366-3000
Contact: Kathleen Clements
Contact Phone: 630-366-3115
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83
Source: STATE OF MICHIGAN
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)
Method of Collection: Address Matching-House Number

Tank ID: 3
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Apr 29 1967
Product: Gasoline
Remove Date: Jan 9 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 5
Tank Status: Removed from Ground
Capacity: Not reported
Install Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLARK STORE #2121 (Continued)

U000266127

Product: UNK
Remove Date: Jan 9 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported
Constr Material: Unknown
Impressed Device: No

Tank ID: 1
Tank Status: Removed from Ground
Capacity: 6000
Install Date: Apr 29 1967
Product: Gasoline
Remove Date: Jan 9 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 6
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Jan 1 1981
Product: Gasoline
Remove Date: Jul 2 2002
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Line Tightness Testing,ELECTRONIC LLD
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Impressed Device: No

Tank ID: 2
Tank Status: Removed from Ground
Capacity: 4000
Install Date: Apr 29 1967
Product: Diesel
Remove Date: Jan 9 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 4
Tank Status: Removed from Ground
Capacity: 10000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

CLARK STORE #2121 (Continued)

U000266127

Install Date: Apr 29 1967
Product: Gasoline
Remove Date: Jan 9 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel
Impressed Device: No

Tank ID: 7
Tank Status: Removed from Ground
Capacity: 10000
Install Date: Jan 1 1981
Product: Gasoline
Remove Date: Jul 2 2002
Tank Release Detection: Automatic Tank Gauging,Inter Monitoring Double Walled Tank,Tank Tightness Testing
Pipe Realease Detection: Automatic Line Leak Detectors,Interstitial Monitoring Double Walled Piping,Line Tightness Testing,ELECTRONIC LLD
Piping Material: Double Walled,Fiberglass reinforced plastic
Piping Type: Pressure
Constr Material: Asphalt Coated or Bare Steel,Lined Interior
Impressed Device: No

L43 MARATHON UNIT #1102
ENE 1026 BROADWAY ST
1/4-1/2 ANN ARBOR, MI 48105
0.479 mi.
2531 ft. Site 2 of 2 in cluster L

LUST S107031462
N/A

Relative:
Lower

LUST:
Facility ID: 00018158
Source: STATE OF MICHIGAN
Owner Name: Marathon Petroleum Co LLC
Owner Address: 539 S Main St
Owner City,St,Zip: Findlay, OH 45840
Owner Contact: Not reported
Owner Phone: (419) 421-2121
Country: USA
District: Jackson District Office
Site Name: Marathon Unit #1102
Latitude: 42.2893920000
Longitude: -83.7388540000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Leak Number: C-0252-05
Release Date: Sep 6 2005
Substance Released: Gasoline,Gasoline,Gasoline,Used Oil
Release Status: Closed
Release Closed Date: Feb 8 2006

Actual:
776 ft.

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

44
SSW
1/4-1/2
0.481 mi.
2541 ft.

ILLIS SERVICE
401 W HURON ST
ANN ARBOR, MI 48103

LUST **1000951246**
N/A

Relative:
Higher

LUST:

Facility ID: 50001678
Source: STATE OF MICHIGAN
Owner Name: Nrt Owner
Owner Address: Unknown
Owner City,St,Zip: Unknown, MI 99999
Owner Contact: Not reported
Owner Phone: Not reported
Country: USA
District: Jackson District Office
Site Name: Illi's Service
Latitude: 42.2813800000
Longitude: -83.7529230000
Date of Collection: 01-11-2001
Method of Collection: Address Matching-House Number
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT
Desc Category: Plant Entrance (Freight)

Actual:
801 ft.

Leak Number: C-0445-85
Release Date: Oct 6 1988
Substance Released: Not reported
Release Status: Closed
Release Closed Date: Aug 8 1994

45
ENE
1/2-1
0.568 mi.
2999 ft.

1120 BROADWAY
ANN ARBOR CITY, MI 48105

SHWS **S106896580**
BEA **N/A**

Relative:
Lower

SHWS:

Facility ID: 81000497
Facility Status: Evaluation conducted
Source: null
SAM Score: 39 out o
SAM Score Date: 7/2/2004
Township: 02S
Range: 06E
Section: 21
Quarter: SW
Quarter/Quarter: SW
Pollutants: null

Actual:
775 ft.

BEA:

Secondary Address: Not reported
BEA Number: 624
District: Jackson
Date Received: 5/27/2005 12:59:00 AM
Submitter Name: Lower Town Development Group LLC
Petition Determination: Affirmed
Petition Disclosure: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

(Continued)

S106896580

Category: Different Hazardous Substance(s)
Determination 20107A: Affirmed
Reviewer: karkov
Division Assigned: Environmental Response Division

46
South
1/2-1
0.970 mi.
5123 ft.

ARMEN CLEANERS
630 S ASHLEY
ANN ARBOR, MI 48103

SHWS S108228925
N/A

Relative:
Higher

SHWS:
Facility ID: 81000005
Facility Status: Interim Response in progress
Source: null
SAM Score: 48 out o
SAM Score Date: 8/18/2004
Township: 02S
Range: 06E
Section: 29
Quarter: SW
Quarter/Quarter: SE
Pollutants: PCE

Actual:
823 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANN ARBOR	S108632632	EATON CORPORATION	315 S 1ST ST	48103	SHWS
ANN ARBOR	S109094187		202ND & S DIVISION		BEA
ANN ARBOR	S107812200		2235TH & S STATE		BEA
ANN ARBOR	S107031682		S 331ST & S 5TH		BEA
ANN ARBOR	1010320772	2020 COMMUNICATIONS	106 N 4TH AVE	48104	RCRA-NonGen
ANN ARBOR	1012101971	NORTH MAPLE AND DEXTER AVENUE	512, 516, 522, 540 N. MAPLE RD	48103	FINDS
ANN ARBOR	1010784675	CITY OF ANN ARBOR	350 S 5TH AVE	48104	RCRA-SQG
ANN ARBOR	1011360144	202 AND 212 SOUTH DIVISION			US BROWNFIELDS
ANN ARBOR	1003871803	MICH CON BEAKES ST	BEADES & SUMMIT STS	48104	CERC-NFRAP
ANN ARBOR	S103086285		BEAKES & SUMMIT STS	48104	SHWS
ANN ARBOR	1003871804		BROADWAY	48103	CERC-NFRAP
ANN ARBOR	S103595056	UNIV OF MICH HOSPITAL FULLER RD	FULLER RD	48103	SHWS
ANN ARBOR	S103095426	UM NORTH CAMPUS LANDFILL AREA	HURON PKY	48104	SHWS
ANN ARBOR	1010785445	WATERS CORPORATION	2805 S INDUSTRIAL HWY	48104	RCRA-CESQG
ANN ARBOR	1010785599	KROGER CO OF MICHIGAN	1919 S INDUSTRIAL HWY	48104	RCRA-CESQG
ANN ARBOR	1004725495		JACKSON AVE WB & I 94 RAMP	48103	RCRA-NonGen, FINDS
ANN ARBOR	S106515671	MADISON & MAIN STREETS	MADISON & MAIN STS		BROWNFIELDS
ANN ARBOR	1010564590	ARMORTHANE OF MICHIGAN LLC	907 N MAIN ST	48104	RCRA-CESQG
ANN ARBOR	1007101648		4285 S MAIN		RCRA-NonGen
ANN ARBOR	2008859336	NEAR MAPLE STREET	NEAR MAPLE ST		ERNS
ANN ARBOR	S108632630	GEORGETOWN CLEANERS	25022568 PACKARD RD		SHWS
ANN ARBOR	S109029760	U OF M ARGUS BUILDING	400 4TH ST		SHWS
ANN ARBOR	1004724331	AVFUEL BULK FACILITY	4001 S STATE	48103	SHWS
ANN ARBOR	S103595047		STATE AND ELLSWORTH RD	48104	RCRA-CESQG, FINDS
ANN ARBOR	S106676482		212216 S STATE ST	48104	SHWS
ANN ARBOR	1001202469		14 USHY 23 RAMP OVERB		BEA
ANN ARBOR	1003871798	UNIVERSITY OF MICH LF NO 1	WASHINGTON HTS	48104	RCRA-NonGen, FINDS
ANN ARBOR	S103595057	DELONG BBQ PIT	WASHINGTON HTS	48104	CERC-NFRAP
ANN ARBOR CITY	S109845985		314 DETROIT STREET	48104	SHWS
ANN ARBOR TOWNSHIP	S105768038		320TH & 340 DEPOT ST	48105	AUL
ANN ARBOR TOWNSHIP	S105768047		924936 N MAIN ST	48105	BEA
JACKSON	S104872638	EASEMENT PROPERTY INTERSECTION	WASHINGTON / 24TH AVENUE	48104	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/17/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2009	Source: EPA
Date Data Arrived at EDR: 10/14/2009	Telephone: N/A
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/13/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/30/2009	Source: EPA
Date Data Arrived at EDR: 08/11/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/23/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/24/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/15/2009	Source: EPA
Date Data Arrived at EDR: 09/22/2009	Telephone: 800-424-9346
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/16/2009
Number of Days to Update: 48	Next Scheduled EDR Contact: 03/01/2010
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/18/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/09/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2009
Next Scheduled EDR Contact: 03/29/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2009	Telephone: 703-603-0695
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 12/10/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/31/2009	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/17/2009	Telephone: 202-267-2180
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 10/06/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 10/28/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/03/2009	Telephone: 517-373-9541
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 11/03/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/06/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/08/2009	Telephone: 517-335-4035
Date Made Active in Reports: 11/17/2009	Last EDR Contact: 10/05/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/01/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/04/2009	Telephone: 517-373-9837
Date Made Active in Reports: 10/05/2009	Last EDR Contact: 11/24/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/08/2010
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/24/2009	Source: EPA Region 8
Date Data Arrived at EDR: 09/10/2009	Telephone: 303-312-6271
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 11/04/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/24/2009	Source: EPA Region 6
Date Data Arrived at EDR: 08/26/2009	Telephone: 214-665-6597
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/20/2009	Source: EPA Region 10
Date Data Arrived at EDR: 08/21/2009	Telephone: 206-553-2857
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 31	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 08/21/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/06/2009	Telephone: 415-972-3372
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 16	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/20/2009	Source: EPA Region 4
Date Data Arrived at EDR: 08/26/2009	Telephone: 404-562-8677
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 09/04/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 517-335-4035
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 09/15/2009
Date Data Arrived at EDR: 09/22/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 517-373-8168
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: No Update Planned

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 57

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/04/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/24/2009	Source: EPA Region 8
Date Data Arrived at EDR: 09/10/2009	Telephone: 303-312-6137
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/24/2009	Source: EPA Region 6
Date Data Arrived at EDR: 08/26/2009	Telephone: 214-665-7591
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008	Source: EPA Region 5
Date Data Arrived at EDR: 09/19/2008	Telephone: 312-886-6136
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 10/22/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/21/2009	Source: EPA Region 9
Date Data Arrived at EDR: 08/26/2009	Telephone: 415-972-3368
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/30/2009
Number of Days to Update: 57	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 09/21/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/21/2009	Telephone: 517-373-4828
Date Made Active in Reports: 10/05/2009	Last EDR Contact: 12/07/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/22/2010
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/05/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 09/21/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/21/2009	Telephone: 517-373-4805
Date Made Active in Reports: 10/05/2009	Last EDR Contact: 11/30/2009
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detroit Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007	Source: Economic Development Corporation
Date Data Arrived at EDR: 04/10/2007	Telephone: 888-522-0103
Date Made Active in Reports: 05/01/2007	Last EDR Contact: 12/07/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/22/2010
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2009	Telephone: 202-566-2777
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 11/04/2009
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 12/08/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003
Date Made Active in Reports: 03/06/2003
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 517-335-4034
Last EDR Contact: 02/28/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/01/2009
Date Data Arrived at EDR: 06/22/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 91

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/14/2009
Next Scheduled EDR Contact: 03/22/2010
Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support its listing or the site no longer meets criteria specified in rules.

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 11/04/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 517-373-9541
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 11/21/2008
Number of Days to Update: 3

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/18/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC * 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 08/12/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 517-373-9837
Last EDR Contact: 10/27/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/05/2009	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/05/2009	Telephone: 202-366-4555
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 10/05/2009
Number of Days to Update: 35	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Annually

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 09/21/2009	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/22/2009	Telephone: 517-373-8427
Date Made Active in Reports: 10/05/2009	Last EDR Contact: 12/15/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/18/2008	Telephone: 312-886-6186
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 11/18/2009
Number of Days to Update: 118	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 08/12/2009	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/27/2009	Telephone: 202-366-4595
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 11/10/2009
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/22/2010
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/23/2009
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/01/2010
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 09/30/2009
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/03/2009	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 10/27/2009	Telephone: Varies
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 10/06/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/18/2010
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/01/2009	Source: EPA
Date Data Arrived at EDR: 09/22/2009	Telephone: 703-416-0223
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 09/22/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/28/2009
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 11/30/2009
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2009	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/18/2009	Telephone: 303-231-5959
Date Made Active in Reports: 11/09/2009	Last EDR Contact: 12/08/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/22/2010
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007	Source: EPA
Date Data Arrived at EDR: 04/09/2009	Telephone: 202-566-0250
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 12/01/2009
Number of Days to Update: 69	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 10/07/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 12/14/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 12/14/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/15/2010
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2007	Source: EPA
Date Data Arrived at EDR: 05/19/2009	Telephone: 202-564-4203
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 11/02/2009
Number of Days to Update: 125	Next Scheduled EDR Contact: 02/15/2010
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 08/21/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/27/2009	Telephone: 202-564-5088
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 09/28/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 01/11/2010
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/01/2009	Source: EPA
Date Data Arrived at EDR: 10/21/2009	Telephone: 202-566-0500
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 10/21/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/01/2010
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/06/2009	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/13/2009	Telephone: 301-415-7169
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 12/14/2009
Number of Days to Update: 70	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/15/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/16/2009	Telephone: 202-343-9775
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 10/16/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/25/2010
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/19/2009	Source: EPA
Date Data Arrived at EDR: 10/22/2009	Telephone: (312) 353-2000
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 12/10/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/29/2010
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/20/2009
Next Scheduled EDR Contact: 03/05/2010
Data Release Frequency: Biennially

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 09/10/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 517-241-1515
Last EDR Contact: 11/02/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 02/18/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 04/01/2009
Number of Days to Update: 15

Source: Department of Environmental Quality
Telephone: 517-335-4586
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 10/13/2009
Date Data Arrived at EDR: 10/14/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 517-241-1300
Last EDR Contact: 10/14/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 10/09/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 39

Source: Department of Environmental Quality
Telephone: 517-373-7074
Last EDR Contact: 10/05/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Varies

BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2009
Date Data Arrived at EDR: 09/14/2009
Date Made Active in Reports: 10/05/2009
Number of Days to Update: 21

Source: DEPT. OF ENVIRONMENTAL QUALITY
Telephone: 517-373-9541
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Semi-Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/09/2009
Date Data Arrived at EDR: 09/09/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2009
Next Scheduled EDR Contact: 02/08/2010
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/13/2009
Next Scheduled EDR Contact: 02/15/2010
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 10/29/2009
Date Data Arrived at EDR: 11/05/2009
Date Made Active in Reports: 11/17/2009
Number of Days to Update: 12

Source: Department of Environmental Quality
Telephone: 586-753-3754
Last EDR Contact: 10/26/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/23/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/24/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 05/05/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 17

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/20/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/27/2009
Date Data Arrived at EDR: 11/10/2009
Date Made Active in Reports: 12/09/2009
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/10/2009
Next Scheduled EDR Contact: 02/22/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 11/23/2009
Next Scheduled EDR Contact: 03/08/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/12/2009
Date Made Active in Reports: 06/29/2009
Number of Days to Update: 17

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/30/2009
Next Scheduled EDR Contact: 03/15/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 01/04/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Day Care Centers, Group & Family Homes
Source: Bureau of REgulatory Services
Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Natural Resources
Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NEAR NORTH
712 NORTH MAIN STREET
ANN ARBOR, MI 48104

TARGET PROPERTY COORDINATES

Latitude (North): 42.28760 - 42° 17' 15.4"
Longitude (West): 83.7477 - 83° 44' 51.7"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 273454.9
UTM Y (Meters): 4685151.5
Elevation: 791 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 42083-C6 ANN ARBOR EAST, MI
Most Recent Revision: 1983

West Map: 42083-C7 ANN ARBOR WEST, MI
Most Recent Revision: 1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

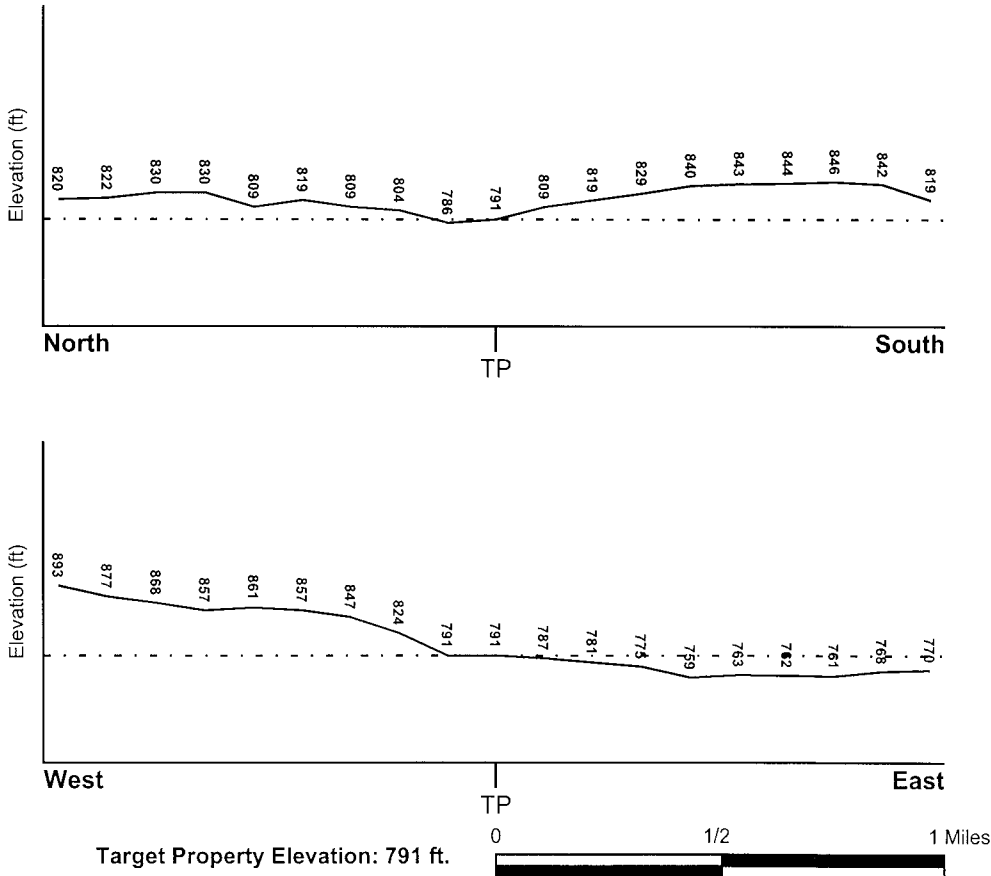
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
WASHTENAW, MI	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ANN ARBOR EAST	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/8 - 1/4 Mile NNE	Not Reported
A3	1/4 - 1/2 Mile ESE	ENE
B8	1/4 - 1/2 Mile SSW	N
B9	1/2 - 1 Mile SSW	NNW
C12	1/2 - 1 Mile South	ENE
18	1/2 - 1 Mile North	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Mississippian
Series: Osagean and Kinderhookian Series
Code: M1 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: BOYER

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
2	7 inches	18 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.60
3	18 inches	34 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 5.60
4	34 inches	60 inches	gravelly - sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 20.00	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy sand
muck
loam

Surficial Soil Types: loamy sand
muck
loam

Shallow Soil Types: silty clay loam
sandy loam
clay loam

Deeper Soil Types: sand
sand and gravel
stratified
clay loam
loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

coarse sand
muck

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

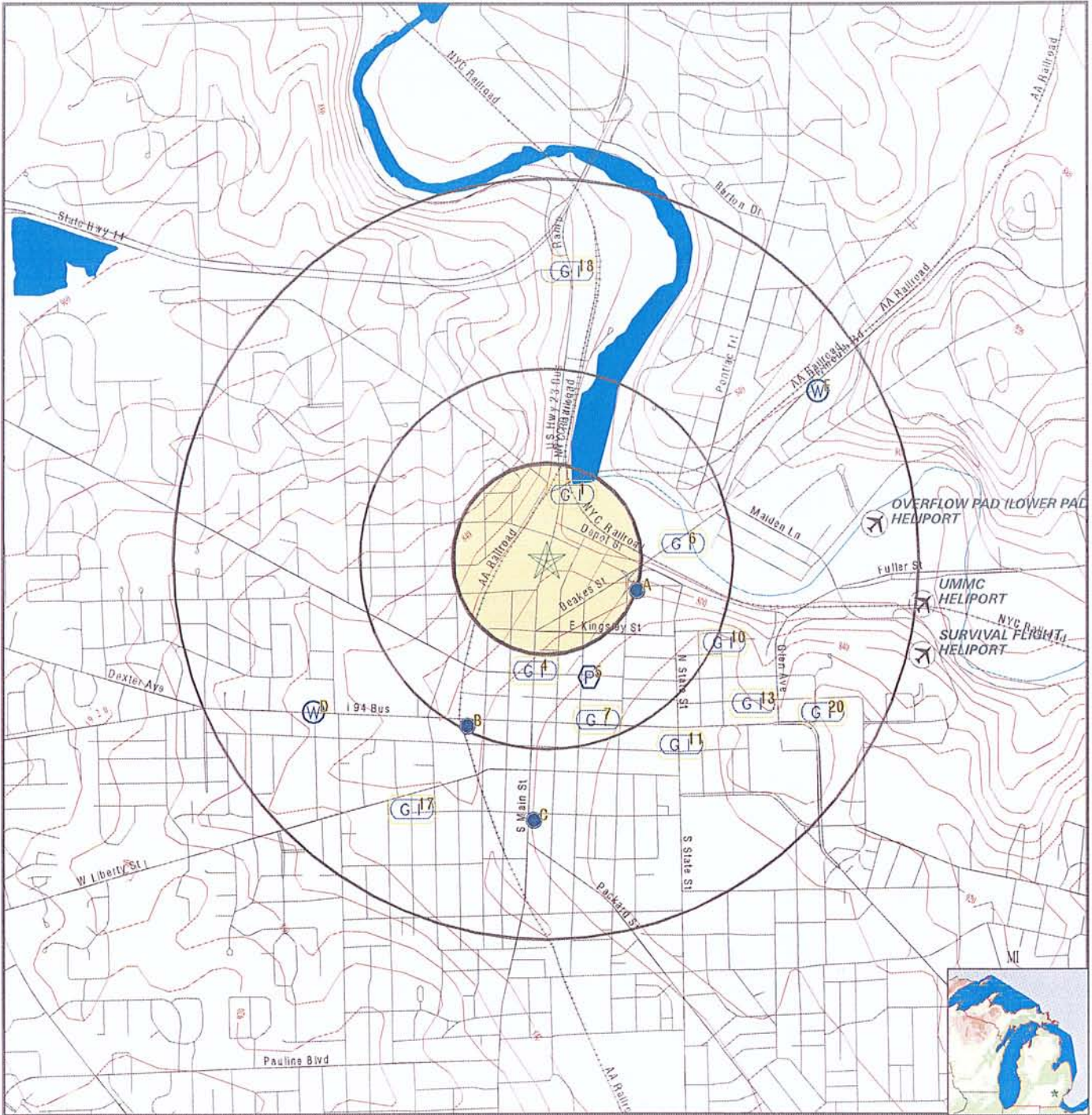
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
5	MI0003940	1/4 - 1/2 Mile SSE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D15	MI20320245	1/2 - 1 Mile WSW
D16	MI20320244	1/2 - 1 Mile WSW
E19	MI20315559	1/2 - 1 Mile ENE
E21	MI20322259	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 2659840.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Near North
 ADDRESS: 712 North Main Street
 Ann Arbor MI 48104
 LAT/LONG: 42.2876 / 83.7477

CLIENT: Soil & Materials Engineers
 CONTACT: JP Buckingham
 INQUIRY #: 2659840.2s
 DATE: December 15, 2009 12:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1 NNE 1/8 - 1/4 Mile Lower	Site ID: Not Reported Groundwater Flow: Not Reported Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 3.5 Date: 12/17/1991	AQUIFLOW	45843
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A3 ESE 1/4 - 1/2 Mile Higher	Site ID: 810292 Groundwater Flow: ENE Shallowest Water Table Depth: Not Reported Deepest Water Table Depth: Not Reported Average Water Table Depth: 7 Date: 01/10/1992	AQUIFLOW	39428
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5 SSE 1/4 - 1/2 Mile Higher	Pwsid: MI0003940 State: MI Pws name: LOCH ALPINE SANITARY AUTHORITY Population Served: 1590 PWS Source: Groundwater Pws type: CWS Status: Active Facility id: 2182 Facility name: WELL 1 Facility type: Well Treatment objective: iron removal Contact name: GEYER, DAN Original name: GEYER, DAN Contact phone: 734-426-4545 Contact address2: Not Reported Contact city: ANN ARBOR Contact zip: 48103	FRDS PWS	MI0003940
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Pwsid: MI0003940 State: MI Pws name: LOCH ALPINE SANITARY AUTHORITY Population Served: 1590 PWS Source: Groundwater Pws type: CWS Status: Active Facility id: 2182 Facility name: WELL 1 Facility type: Well Treatment objective: iron removal Contact name: GEYER, DAN Original name: GEYER, DAN Contact phone: 734-426-4545 Contact address2: Not Reported Contact city: ANN ARBOR Contact zip: 48103	Epa region: 05 County: Washtenaw Pwssvconn: 530 Owner type: Local_Govt Treatment process: filtration, pressure sand Contact address1: 4530 West Huron River Drive
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Pwsid: MI0003940 State: MI Pws name: LOCH ALPINE SANITARY AUTHORITY Population Served: 1590 PWS Source: Groundwater Pws type: CWS Status: Active Facility id: 2183 Facility name: WELL 2 Facility type: Well Treatment objective: iron removal Contact name: GEYER, DAN Original name: GEYER, DAN Contact phone: 734-426-4545 Contact address2: Not Reported Contact city: ANN ARBOR Contact zip: 48103	Epa region: 05 County: Washtenaw Pwssvconn: 530 Owner type: Local_Govt Treatment process: filtration, pressure sand Contact address1: 4530 West Huron River Drive
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	3200		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	4102		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	6843		
Facility name:	LOCH ALPINE DR WEST		
Facility type:	Storage	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	8249		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	filtration, pressure sand
Treatment objective:	iron removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2182		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2183		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	3200		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	4102		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	6843		
Facility name:	LOCH ALPINE DR WEST		
Facility type:	Storage	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvcconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	8249		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvcconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2182		
Facility name:	WELL 1		
Facility type:	Well	Treatment process:	filtration, greensand
Treatment objective:	manganese removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvcconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2183		
Facility name:	WELL 2		
Facility type:	Well	Treatment process:	filtration, greensand
Treatment objective:	manganese removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	3200		
Facility name:	WELL 3		
Facility type:	Well	Treatment process:	filtration, greensand
Treatment objective:	manganese removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	4102		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	filtration, greensand
Treatment objective:	manganese removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	6843		
Facility name:	LOCH ALPINE DR WEST		
Facility type:	Storage	Treatment process:	filtration, greensand
Treatment objective:	manganese removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	MI0003940	Epa region:	05
State:	MI	County:	Washtenaw
Pws name:	LOCH ALPINE SANITARY AUTHORITY		
Population Served:	1590	Pwssvconn:	530
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	8249		
Facility name:	IRON REMOVAL PLANT		
Facility type:	Treatment_plant	Treatment process:	filtration, greensand
Treatment objective:	manganese removal		
Contact name:	GEYER, DAN		
Original name:	GEYER, DAN		
Contact phone:	734-426-4545	Contact address1:	4530 West Huron River Drive
Contact address2:	Not Reported		
Contact city:	ANN ARBOR		
Contact zip:	48103		

PWS ID:	MI0003940		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	LOCH ALPINE SANITARY AUTHORITY LOCH ALPINE SANITARY AUTHORITY 4530 WEST HURON RIVER DRIVE ANN ARBOR, MI 48103		

Addressee / Facility: Not Reported

Facility Latitude:	42 16 59	Facility Longitude:	083 44 44
City Served:	Not Reported		
Treatment Class:	Treated	Population:	1233

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name:	LOCH ALPINE SANITARY AUTHO		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-07-01 - 1994-07-31		
Violation ID:	9440001		
Enforcement Date:	1994-08-10	Enf. Action:	State Violation/Reminder Notice
System Name:	LOCH ALPINE SANITARY AUTHO		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-07-01 - 1994-07-31		
Violation ID:	9440001		
Enforcement Date:	1994-08-10	Enf. Action:	State Public Notif Requested

**B8
SSW
1/4 - 1/2 Mile
Higher**

Site ID:	810075
Groundwater Flow:	N
Shallowest Water Table Depth:	6.16
Deepest Water Table Depth:	6.90
Average Water Table Depth:	Not Reported
Date:	04/1990

AQUIFLOW 63226

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B9 SSW 1/2 - 1 Mile Higher	Site ID: 810148		
	Groundwater Flow: NNW	AQUIFLOW	45873
	Shallowest Water Table Depth: Not Reported		
	Deepest Water Table Depth: Not Reported		
	Average Water Table Depth: 6		
	Date: 04/23/1996		

C12 South 1/2 - 1 Mile Higher	Site ID: 810318		
	Groundwater Flow: ENE	AQUIFLOW	39436
	Shallowest Water Table Depth: 20		
	Deepest Water Table Depth: 112		
	Average Water Table Depth: Not Reported		
	Date: 12/1991		

D15 WSW 1/2 - 1 Mile Higher		MI WELLS	MI20320245
Wellid:	81000010161	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	3
Owner name:	COMM. DEV. GROUP OF ANN ARBOR		
Well addr:	1000 HURON RIVER		
Well depth:	184		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	2000-02-16 14:17:27.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	179		
Screen frm:	179		
Screen to:	184		
Swl:	106		
Test depth:	107		
Test hours:	2		
Test rate:	12	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.28178523		
Longitude:	-83.7598847		
Methd coll:	Address Matching-House Number		
Elevation:	837		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	4
Elev miv:	837	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	37
Pct aq d:	37	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	59

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	59	Pct cm r:	0
Pct pcm:	4	Pct pcm d:	4
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	7	A pct aq:	0
A pct maq:	0	A pct pcm:	100
A pct cm:	0	A pct na:	0
A thickns2:	78	A pct aq2:	3
A pct maq2:	0	A pct pcm2:	9
A pct cm2:	88	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Clay Sand Gravel
A sc lmod1:	Not Reported	A sc lmaq1:	PCM
A sc lpct1:	100	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	100
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	100	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	100
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	32	Pct maq 6:	0
Pct cm 6:	68	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

D16
WSW
1/2 - 1 Mile
Higher

MI WELLS MI20320244

Wellid:	81000010160	Import id:	Not Reported
County:	Washtenaw	Township:	Scio
Town range:	02S 05E	Section:	3
Owner name:	COMMUNITY DEV. GROUP OF ANN AR		
Well addr:	1000 HURON RIVER		
Well depth:	183		
Well type:	Household		
Wssn:	0		
Well num:	Not Reported	Driller id:	524
Const date:	2000-02-16 14:08:45.000	Case type:	PVC Plastic
Case dia:	5		
Case depth:	175		
Screen frm:	173		
Screen to:	183		
Swl:	106		
Test depth:	116		
Test hours:	2		
Test rate:	10	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.28178523		
Longitude:	-83.7598847		
Methd coll:	Address Matching-House Number		
Elevation:	837		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	833	Elev dif:	4
Elev miv:	837	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	16
Pct aq d:	16	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	56
Pct cm d:	56	Pct cm r:	0
Pct pcm:	28	Pct pcm d:	28
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	8	A pct aq:	0
A pct maq:	0	A pct pcm:	100
A pct cm:	0	A pct na:	0
A thickns2:	77	A pct aq2:	12
A pct maq2:	0	A pct pcm2:	10
A pct cm2:	78	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Clay & Sand
A sc lmod1:	Fine	A sc lmaq1:	PCM
A sc lpct1:	80	A sc lith2:	Clay
A sc lmod2:	Not Reported	A sc lmaq2:	CM
A sc lpct2:	20	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	60	Pct pcm 2:	40
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	100	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	25	Pct pcm 4:	75
Pct na 4:	0	Pct aq 5:	70
Pct maq 5:	0	Pct cm 5:	30
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	60	Pct maq 6:	0
Pct cm 6:	40	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	100
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**18
North
1/2 - 1 Mile
Higher**

Site ID: 810269
 Groundwater Flow: Not Reported
 Shallowest Water Table Depth: 2.65
 Deepest Water Table Depth: 9.78
 Average Water Table Depth: Not Reported
 Date: 06/26/1995

AQUIFLOW 45834

**E19
ENE
1/2 - 1 Mile
Higher**

Wellid: 8100004964
 County: Washtenaw
 Town range: 02S 06E
 Owner name: ARBOR SPRINGS WATER CO.
 Well addr: 1440 PLYMOUTH RD.
 Well depth: 120
 Well type: Other
 Wssn: 0
 Well num: Not Reported
 Const date: Not Reported
 Case dia: 6

Import id: 81727621001
 Township: Ann Arbor
 Section: 21
 Driller id: 1586
 Case type: Unknown

MI WELLS MI20315559

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Case depth:	120		
Screen frm:	0		
Screen to:	0		
Swl:	999.99		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:	42.2935421817		
Longitude:	-83.7336246689		
Methd coll:	Interpolation-Map		
Elevation:	790		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	SWL > Well Depth		
Elev dem:	797	Elev dif:	7
Elev niv:	790	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	100
Pct cm d:	100	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	T
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	100
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	100	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	100
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	100	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	100
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

**E21
ENE
1/2 - 1 Mile
Higher**

MI WELLS MI20322259

Wellid:	81000013260	Import id:	Not Reported
County:	Washtenaw	Township:	Ann Arbor
Town range:	02S 06E	Section:	6
Owner name:	ARBOR SPRINGS WATER CO-B.W.		
Well addr:	1440 PLYMOUTH ROAD		
Well depth:	0		
Well type:	Type II public		
Wssn:	2030481		
Well num:	001	Driller id:	0
Const date:	Not Reported	Case type:	Unknown
Case dia:	-1		
Case depth:	0		
Screen frm:	0		
Screen to:	0		
Swl:	0		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	0	Pmp cpcity:	0
Latitude:	42.29445223		
Longitude:	-83.7333703		
Methd coll:	Address Matching-House Number		
Elevation:	797		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Well Depth = 0
Elev flag:	Not Reported		
Swl flag:	SWL = 0		
Elev dem:	804	Elev dif:	7
Elev miv:	797	Aq code:	Unknown Lithology
Aq flag:	Not Reported	Pct aq:	0
Pct aq d:	0	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-3
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	0	A pct aq:	0
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	0	A pct aq2:	0
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	F	A hit top:	F
A hit rock:	F	A sc lith1:	Not Reported
A sc lmod1:	Not Reported	A sc lmaq1:	Not Reported
A sc lpct1:	0	A sc lith2:	Not Reported
A sc lmod2:	Not Reported	A sc lmaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	0
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Y
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Test Type	Zip	Floor	Stop Date	Can 1 Res pCi/L	Can 1 Error	Can 2 Res pCi/L	Can 2 Error
Random	48104			NR			
Random	48104			NR			
Random	48104	1	5/22/87	0.7	103.1	%	
Random	48104	0	12/6/87	1.5	12.2%		
Random	48104	0	5/8/87	1.6	15.5%		
Random	48104	0	4/3/87	1.8	12.7%		
Random	48104	1	1/21/88	3.4	7.8%		
Random	48104	0	12/28/87	3.6	6.2%		
Random	48104	0	12/31/87	5.2	5.6%		
Random	48104	1	12/10/87	5.3	5.6%		
Random	48104	0	11/27/87	6.1	4.2%		
Random	48104	0	11/27/87	7.4	4.4%		
Random	48104	0	1/22/88	12.4	3.5%	11.	7 3.7%
Random	48104	0	2/8/88	12.7	3.0%		
Random	48104	0	12/26/87	27.3	2.1%		
Geographic	48104	0	3/24/88	0.8	21.9%		

State Database: MI Radon

Radon Test Results

Zip	Less than sign	Pci/L
48104		2.10
48104	<	0.30
48104		11.60
48104		3.10
48104		1.90
48104		6.00
48104		22.80
48104		1.50
48104		1.40
48104		1.40
48104		1.60
48104		4.40
48104		4.30
48104		3.20
48104		3.00
48104		5.30
48104		6.10
48104		3.50
48104		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

		1.10
48104		1.20
48104		5.80
48104		3.60
48104		4.20
48104		3.30
48104		3.60
48104		1.60
48104		1.10
48104		10.40
48104		9.00
48104		4.80
48104		2.80
48104		2.20
48104		2.30
48104		3.10
48104		1.40
48104		14.10
48104		10.50
48104		2.20
48104		9.60
48104		0.80
48104	<	0.30
48104		6.00
48104		8.10
48104		6.60
48104		3.30
48104		2.90
48104		3.60
48104		3.20
48104		2.30
48104		20.70
48104		18.40
48104		14.10
48104		7.50
48104		7.20
48104		3.20
48104		4.20
48104		9.40
48104		2.70
48104		4.60
48104		6.20
48104		4.00
48104		7.00
48104		8.10
48104		8.30
48104		6.70
48104		4.80
48104		20.60
48104		2.80
48104		12.20
48104		1.90
48104		16.90
48104	<	0.30
48104		2.50
48104		9.10
48104		

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON**

AREA RADON INFORMATION

48104		4.50
48104		1.40
48104		10.60
48104		40.30
48104		44.90
48104		4.10
48104		0.40
48104		0.50
48104		0.80
48104		0.80
48104	<	0.30
48104	<	0.30
48104		5.70
48104		4.40
48104	<	0.30
48104		2.90
48104		0.60
48104		5.10
48104		1.70
48104		3.00
48104		4.70
48104		0.90
48104		5.60
48104		2.20
48104		7.20
48104	<	0.30
48104		6.50
48104		12.80
48104	<	0.30
48104		8.40
48104		0.80
48104		1.50
48104		6.00
48104		6.40
48104		5.60
48104		1.30
48104		0.70
48104		3.00
48104		1.00
48104		1.40
48104		4.10
48104		7.10
48104		1.10
48104		5.20
48104		7.80
48104		1.20
48104		7.80
48104		3.90
48104		6.10
48104		4.10
48104		1.70
48104		0.70
48104		1.50
48104		0.50
48104		3.20
48104		1.50

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON**

AREA RADON INFORMATION

	6.70
48104	8.90
48104	3.70
48104	4.90
48104	1.90
48104	1.40
48104	14.70
48104	4.60
48104	10.10
48104	2.00
48104	2.40
48104	3.60
48104	2.10
48104	5.00
48104	5.50
48104	3.40
48104	0.60
48104	6.20
48104	12.60
48104	5.40
48104	3.50
48104	2.00
48104	16.50
48104	1.50
48104	0.90
48104	2.10
48104	2.50
48104	1.70
48104	0.50
48104	4.50
48104	3.60
48104	1.90
48104	1.40
48104	2.20
48104	3.70
48104	12.60
48104	7.00
48104	2.20
48104	1.30
48104	5.40
48104	3.80
48104	2.80
48104	2.60
48104	2.30
48104	8.40
48104	0.60
48104	6.90
48104	5.80
48104	7.30
48104	6.10
48104	3.20
48104	1.20
48104	1.60
48104	0.80
48104	1.10
48104	7.80
48104	

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON**

AREA RADON INFORMATION

		2.80
48104		4.10
48104		4.40
48104		1.90
48104		10.70
48104		27.70
48104		2.70
48104		1.20
48104		1.30
48104		0.90
48104		31.30
48104		10.60
48104		2.00
48104		4.30
48104		2.20
48104		2.00
48104		5.00
48104		14.40
48104		5.90
48104		5.80
48104		9.90
48104		4.80
48104		4.10
48104		8.30
48104		5.80
48104		12.50
48104		1.70
48104		10.80
48104		9.10
48104		13.10
48104		10.90
48104		5.80
48104		10.30
48104		2.10
48104		2.30
48104		1.90
48104		4.50
48104	<	0.30
48104		6.30
48104		3.70
48104		4.70
48104		0.70
48104		1.90
48104		3.30
48104		11.50
48104		2.70
48104		2.90
48104		5.60
48104		4.00
48104		4.30
48104		1.60
48104	<	0.30
48104		10.60
48104		2.50
48104		2.00
48104	<	0.30
48104		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

		1.80
48104	<	0.30
48104		6.90

Federal EPA Radon Zone for WASHTENAW County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 48104

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	3.133 pCi/L	67%	33%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	8.500 pCi/L	30%	60%	10%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Natural Resources

Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Michigan Department of Natural Resources

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551

Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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22.6 Interview Documentation

Near North

SECTION VIII

2009 – SELLER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

The Authority requires the completion of its' "Owner's Environmental Questionnaire and Disclosure Statement." This checklist is to be completed and signed by the property owner, and returned to the Environmental Professional and incorporated in their Phase I. Failure to properly complete this process will result delay the processing.

In preparing this document, the property owner must make a good faith effort to answer the questions in the checklist. The preparer presents that to the best of his/her knowledge the above statements and facts are true and correct and that to the best of the preparer's knowledge no material facts have been omitted or misstated. Time and care should be taken to check whatever records are in the owner's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified, or cannot be obtained, the burden is on the Environmental Professional to determine whether further inquiry is appropriate. The property owner should document the reason for any affirmative answer to provide the consultant with all appropriate information. Moreover, the Environmental Professional must determine if further inquiry in any area where the property owner provides incomplete information is warranted, providing written explanation for their recommendation(s).

If the proposed development site is being purchased from the City of Detroit or Highland Park, the Environmental Professional is required to complete the form on their behalf provided they have, at a minimum, reviewed all Fire Marshall records and Building Permits for all previous on-site retail, commercial, or industrial uses consistent with the development history of the site.

Purchaser: Near North Limited Dividend Housing Association LP

Purchaser's Telephone No.: 734. 214. 1600, ext. #111

Owner's Name: Terraces On Main LLC

Owner's Telephone No.: 734. 214. 1600, ext #111

Subject Property: 626-724 North Main, Ann Arbor, MI

1. Land use: Is the property or adjoining property currently used for manufacturing or industrial use? Adjoining properties include those that border the immediate site and include properties across the street from the property.

YES NO (If "YES," please describe)

Subject Property: 626-724 North Main, Ann Arbor
Adjoining property north: 730 North Main
Adjoining property south: 622 North Main
Adjoining property east: N. Fourth Houses
Adjoining property west: Former City Yard

2. Has the property or adjoining property been used for manufacturing or industrial purposes in the past?

YES NO (If "YES," please describe)

Owner / Use / Date(s)

Subject Property Previous use: Residential
Previous use (north): Commercial
Previous use (south): Residential
Previous use (east): Residential
Previous use (west): Light Industrial

3. Are there any pesticides, automotive or industrial batteries, paints or other chemicals stored on the property or at the facility other than undamaged containers of consumer products under five gallons in total volume?

YES NO (If "YES," please describe)

4. Are there any plastic or metal industrial drums (typically 55-gallon) located on the property or at the facility?

YES NO (If "YES," please describe)

5. Has fill dirt been brought onto the site that could be contaminated?
___ YES NO (If "YES," please describe)
6. Have any construction debris, substances identified as hazardous, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the site?
___ YES NO (If "YES," please describe)
7. Are there any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?
___ YES NO (If "YES," please describe)
8. Is there any soil on the property that has been obviously stained?
___ YES NO (If "YES," please describe)
9. Are storage tanks above or underground located on the property?
___ YES NO (If "YES," please describe)
10. Are vent pipes protruding from the ground at the property or adjacent to any structure located on the property?
___ YES NO (If "YES," please describe)
11. Does the property discharge waste water, other than storm water, directly to a ditch or stream on or adjacent to the property?
___ YES NO (If "YES," please describe)

12. If the property is served by a private well or non-public water system has the well or water system been designated as contaminated by a governmental environmental or health agency?

YES NO (If "YES," please describe)

13. **Asbestos:** Does the property or any buildings located on the property contain any asbestos?

YES NO (If "YES," please describe) Do not know

14. **Polychlorinated biphenyls (PCBs):** Have polychlorinated biphenyls been used in electrical transformers, capacitors or other equipment at the property?

YES NO (If "YES," please describe)

15. Is there a transformer that is not owned by a public or private utility or group and for which there are no records indicating the absence of PCBs?

YES NO (If "YES," please describe)

16. **Radon:** Has the property or any buildings located on the property been tested for radon?

YES NO (If "YES," please describe)

17. **Urea-Formaldehyde:** Does the property or any buildings located on the property contain any urea-formaldehyde materials?

YES NO (If "YES," please describe) Do not know

18. **Lead:** Does the property or any buildings located on the property contain any lead-based paint or lead plumbing?

YES NO (If "YES," please describe) Don't know

19. **Miscellaneous:** Does the owner of the property or operator of the facility have any knowledge of environmental liens or governmental notification relating to violations of environmental laws in regards to the property or any facility located on the property?

YES NO (If "YES," please describe)

20. Has the owner of the property or operator of the facility been informed of the presence of hazardous substances or environmental violations in regards to the property or the facility located on the property?

YES NO (If "YES," please describe)

21. Are you aware of any environmental assessment of the property that indicated the presence of hazardous substances on the site or recommended further assessment of the property?

YES NO (If "YES", please describe) *Don't know*

22. Are there past, current or pending lawsuits or administrative proceedings for alleged environmental damages involving the property or any owner or tenant of the property?

YES NO (If "YES," please describe)

23. Does the purchase and/or sales price of this property reflect the presence of hazardous substances on the property?

YES NO (If "YES," please describe)

24. **Agricultural Land:** Have pesticides, herbicides, or other agricultural chemicals been stored, mixed on, or applied to the property?

YES NO (If "YES," please describe)

25. This questionnaire was completed by the property owner (required):

Owner's (representative) Signature: William F. Godfrey
Owner's Printed Name: William F. Godfrey
Address: 209 North Main
City, State, Zip: Ann Arbor, MI 48104
Telephone Number: 734.214.1600, ext #111
Relationship to Site: Manager of Owner, Terraces On Main LLC

SECTION IX

2009 - USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

The Authority requires the completion of its "User's Environmental Questionnaire and Disclosure Statement" to fulfill Section 6, User's Responsibilities of the ASTM Standard E 1527-05. **The checklist is to be completed and signed by the sponsor (developer), and returned to the Environmental Professional conducting the Phase I. This questionnaire is to be reviewed by the Environmental Professional and included in their Phase I report. Failure to properly complete this process will result in delays.**

In preparing this document, the "User" (Sponsor) must make a good faith effort to answer the questions in the checklist. The preparer presents that to the best of his/her knowledge the above statements and facts are true and correct and that to the best of the preparer's knowledge no material facts have been omitted or misstated. Time and care should be taken to check whatever records are in the user's possession. If any of the following questions are answered in the affirmative or if answers are unknown, are qualified, or cannot be obtained, the burden is on the Environmental Professional to determine whether further inquiry is appropriate. The property user should document the reason for any affirmative answer to provide the consultant with all appropriate information. Moreover, the Environmental Professional must determine if further inquiry in any area where the property owner provides incomplete information is warranted, providing written explanation for their recommendation(s).

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

User's (Sponsor's) Name: Avalon Housing, Inc.
User's (Sponsor's) Telephone No.: 734 663 5858 ext 211
User's (Sponsor's) Fax No.: 734 663 4857
Subject Property: Near North
Property Address: 626-724 N. Main St.
City: Ann Arbor State: MI Zip: 48105

1.0 Environmental Cleanup Liens:

Are you aware of any environmental cleanup liens against the property that are filed, recorded, or unrecorded under federal, tribal, state, or local law?

YES NO (If "YES," please describe)

2.0 Activity and Land Use Limitations:

Are you aware of any activity and land use limitations, such as engineering Controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?

YES NO (If "YES," please describe) *The site has been zoned with a PUD zoning & site plan on file with the City of Ann Arbor.*

3.0 Specialized Knowledge or Experience of the User:

(a) As the user of this ESA do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?

YES NO (If "YES," please describe)

(b) Are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

YES NO (If "YES," please describe)

4.0 Relationship of Purchase Price to Fair Market Value:

(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

YES NO (If "YES," please describe)

(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?

YES NO (If "YES," please describe) *N/A*

5.0 **Commonly Known or Reasonably Ascertainable Information:**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

(a) Do you know the past uses of the property? Please List: residential

(b) Do you know the specific chemicals that are present or once were present at the property?

YES NO (If "YES," please describe)

(c) Do you know of spills or other chemical releases that have taken place at the property?

YES NO (If "YES," please describe)

(d) Do you know of any environmental cleanups that have taken place at the property?

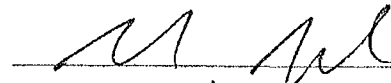
YES NO (If "YES," please describe)

6.0 **Presence or Likely Presence of Contamination:**

As the user of this ESA, and based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

YES NO (If "YES," please describe)

User's Signature:



Date

12/23/09

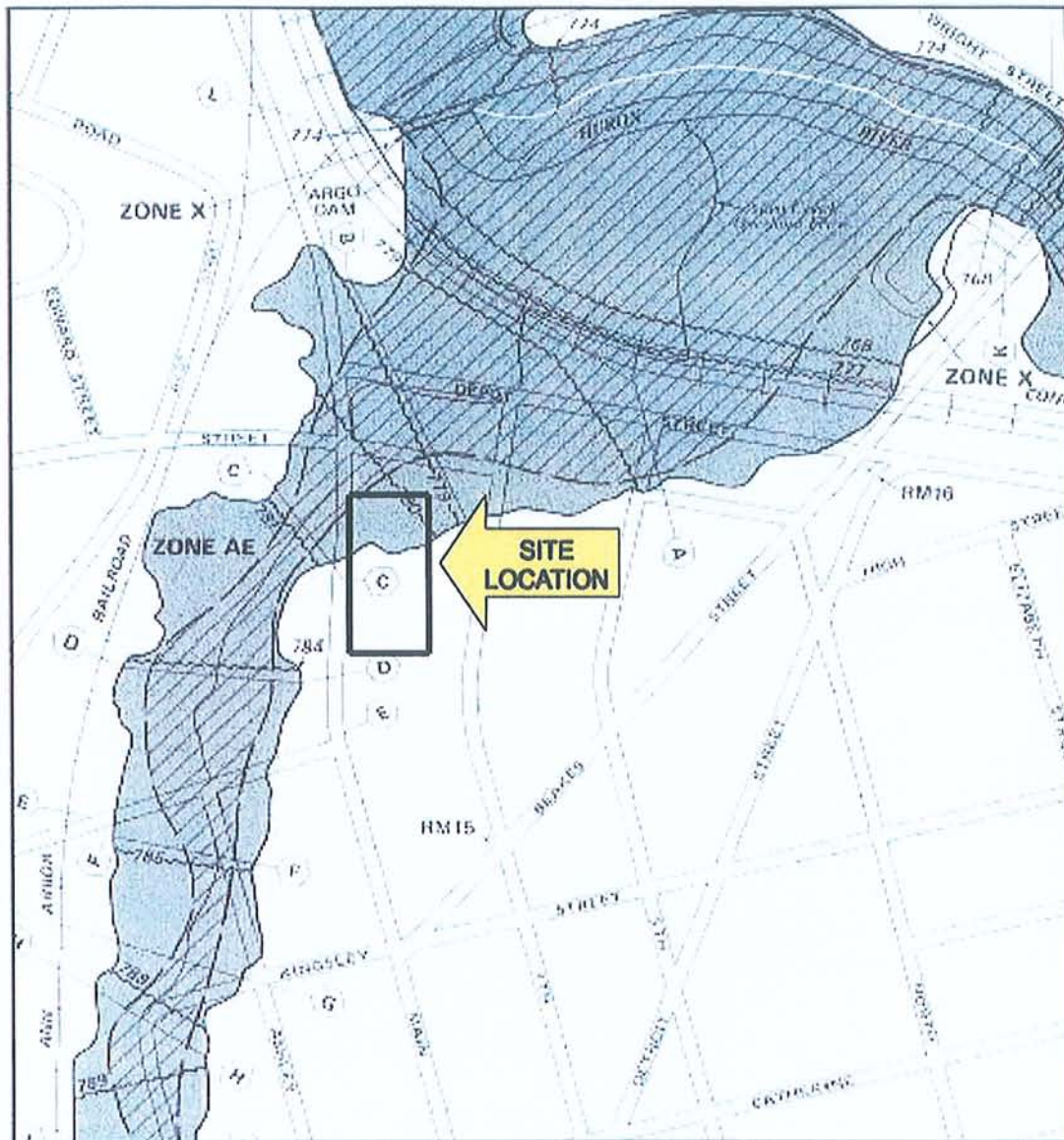
User's Printed Name:

Michael Appel

22.7 Non-Scope Services Documentation

Flood Insurance Map





PANEL NUMBER: 260213 0005 D

REVISED JANUARY 2, 1992

KEY TO SYMBOLS

PANEL 5 OF 12



PANEL LOCATION



ZONE X AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE (1) FOOT OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; OR AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD.

ZONE AE BASE FLOOD ELEVATIONS DETERMINED



CITY OF ANN ARBOR, MICHIGAN
NATIONAL FLOOD INSURANCE RATE MAP

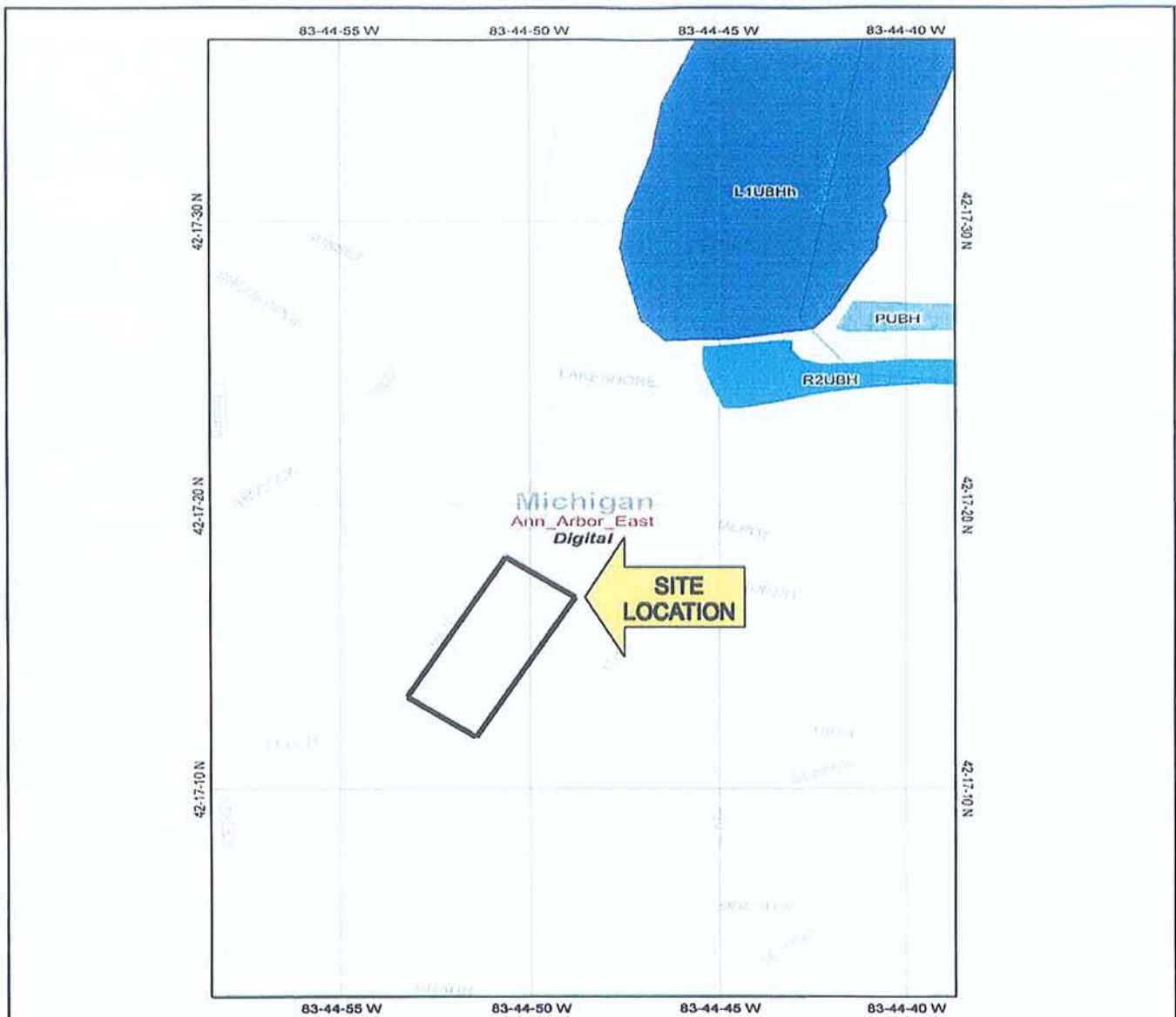


bay city
grand rapids
indianapolis
kalamazoo
lansing
plymouth
shelby
toledo
traverse city

Date: 12-21-09
Drawn By: JAB
Scale: NTS
Project: PE60262A-01

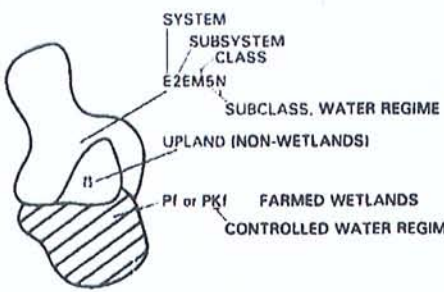
**FLOODPLAIN MAP
NEAR NORTH
ANN ARBOR,
WASHTENAW COUNTY, MICHIGAN**

National Wetland Inventory Map




ANN ARBOR EAST, MICHIGAN Map Center: 42° 17' 19.5" N, 83° 44' 48.5" W

SYMBOLGY EXAMPLE



NOTE: THIS MAP IS A USER GENERATED STATIC OUTPUT FROM AN INTERNET MAPPING SITE AND IS FOR GENERAL REFERENCE ONLY. DATA LAYERS THAT APPERA ON THIS MAP MAY OR MAY NOT BE ACCURATE, CURRENT, OR OTHERWISE RELIABLE. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

	bay city grand rapids indianapolis kalamazoo lansing plymouth shelby toledo traverse city	Date: 12-21-09 Drawn By: JAB Scale: NTS Project: PE60262A-01	NATIONAL WETLAND INVENTORY MAP NEAR NORTH ANN ARBOR, WASHTENAW COUNTY, MICHIGAN
	FILE NAME T:\FINAL\PROJ\56000\56000-WETLAND MAP.DOC		

Noise Analysis Worksheet



**Railway Noise
Data Sheet**

Noise Assessment Guidelines

List All Railways within 3000 feet of the site:

Notes

1. Ann Arbor Railroad
2. _____
3. _____

Necessary Information

Railway No. 1 Railway No. 2 Railway No. 3

1. Effective distance: 460 feet
2. Number of Trains in 24 hours:
 - a. diesel 2
 - b. electrified None
3. Fraction of operations occurring at night: 05%
4. Number of diesel locomotives per train: 1
5. Number of rail cars per train:
 - a. diesel trains 30
 - b. electrified trains 0
6. Average train speed: 10 mph
7. Is track welded or bolted? Bolted
8. Is the site opposite a section of tracks between whistle stops? Yes

Measured in feet from NAL to center of track

10 p.m. - 7a.m

Include locomotive for electrified trains

**Railway Noise
Computations and Findings**

Noise Assessment Guidelines

Adjustments for Diesel Locomotives

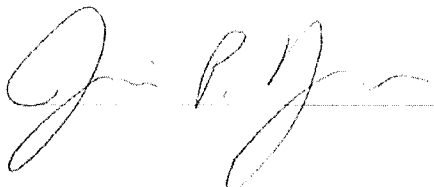
	9 No. of Locomotives 2	10 Average Speed (Table 9)	11 Horns (Enter 10)	12 Night time (Table 5)	13 No. of Trains (Line 2a)	14 Adj. No of Opns	15 DNL (Workchart 3)	16 Barrier Attn	17 Partial DNL
Railway No. 1	0.5	3.0	10	1.38	2	41.4	58	0	58
Railway No. 2									
Railway No. 3									

Adjustments for Railway Cars or Rapid Transit Trains and Electric Locomotives

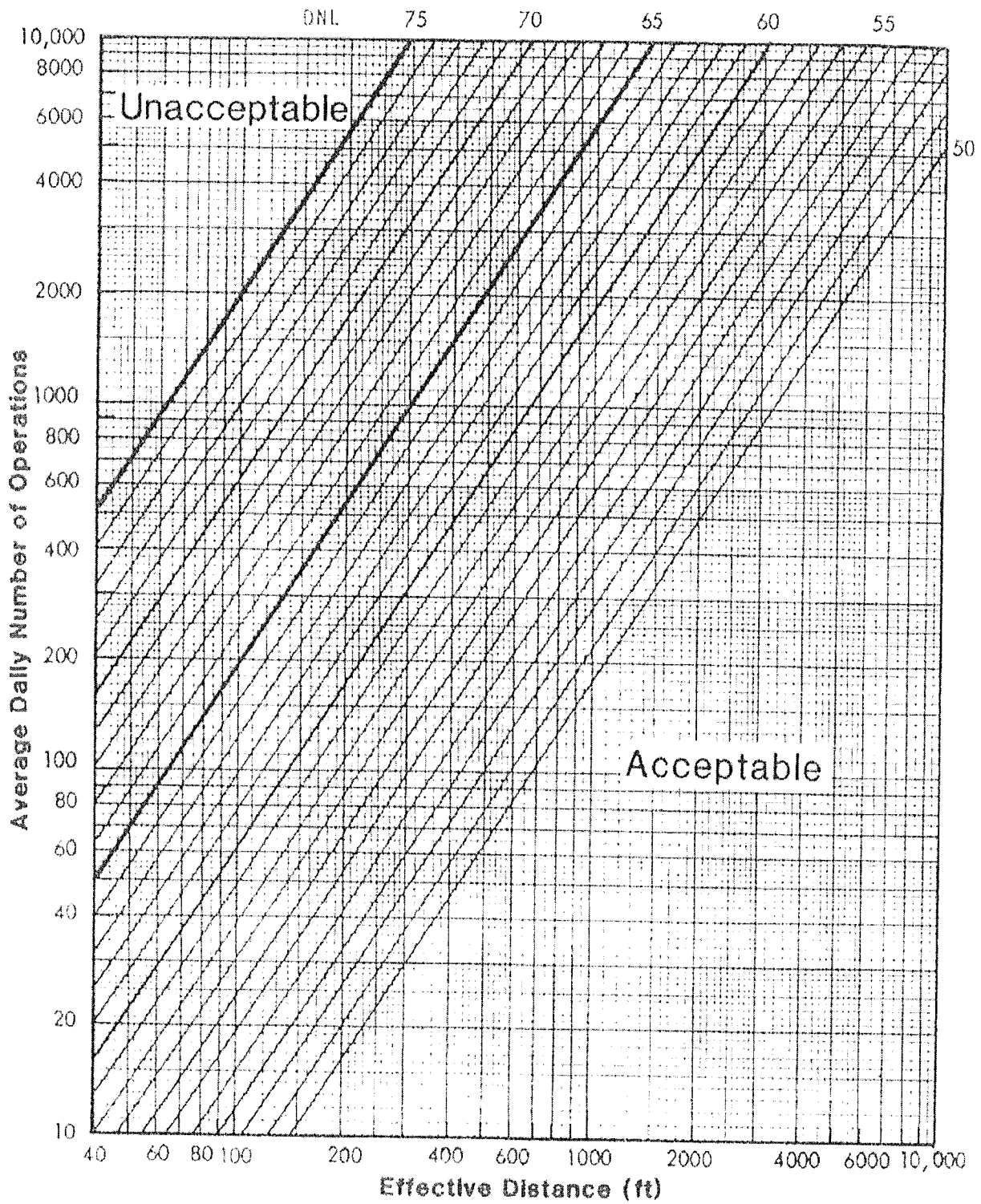
	18 Horns on Electric Trains only (Enter 100)	19 Number of Cars 50	20 Average Speed (Table 10)	21 Bulbed Rails (Enter 4) Welded (Enter 1)	22 Night- time (Table 5)	23 No. of Trains (Lines 2a and 2b)	24 Adj. No of Opns	25 DNL (Workchart 4)	26 Barrier Attn	27 Partial DNL
Railway No. 1	0	0.6	0.11	4	1.38	2	0.73	<50	0	<50
Railway No. 2										
Railway No. 3										

Combined Locomotive and Railway Car DNL (See combining noise levels table for procedures)

Partial DNL Railway No. 1	58	Partial DNL Railway No. 2		Partial DNL Railway No. 3		Partial DNL Total DNL for all Railways	58
------------------------------	----	------------------------------	--	------------------------------	--	---	----

Signed  Date 12/18/07

Workchart 4
 Railroads - Cars and Rapid Transit



**22.8 Special Contractual Conditions Between User and
Environmental Professional**

N/A

22.9 Qualifications of Environmental Professionals

Senior Project Geologist

Manages investigations and assessments for a variety of urban redevelopment projects. Professional services include brownfield management, management of Environmental Site Assessments (ESAs), Baseline Environmental Assessments (BEAs), Due Care Assessments, remediation monitoring, hydrogeologic assessments, underground storage tank (UST) closures, project specifications and bid packages, and asbestos surveys.

❖ Professional Qualifications:

- Experienced in managing contamination investigations and development of remediation alternatives at commercial and industrial facilities, and UST sites.
- Knowledgeable in Michigan Public Act 451, Part 201, Part 213, Part 211, Act 381, and EPA Brownfields Economic Redevelopment Initiative documents.

❖ Project Experience:

- Provided environmental compliance and due diligence for alternative energy facilities in Adrian, Detroit, and Romulus.
- Project manager for a USEPA Brownfields Cleanup Revolving Loan Fund (BCRLF) grant of \$1million for the City of Wyandotte, Michigan. Provided financial planning and cost-tracking services for all sources of project funding including, but not limited to the USEPA BCRLF program. Prepared project's Community Involvement Plan (CIP), Record of Decision for Environmental Response Actions, and assisted in development of the work plans for environmental response activities and non-environmental (infrastructure) activities.
- Project manager for a \$500,000 USEPA BCRLF grant for the City of Trenton, Michigan. Prepared project documents including Community Response Plan (CRP), Action Memorandum for Environmental Response Actions and provided financial planning and cost-tracking services for all sources of project funding.
- Project manager for a \$120 million brownfield redevelopment project in Allen Park, Michigan. Providing technical consulting to the Allen Park Brownfield Redevelopment Authority (BRA) during redevelopment of the clay mine landfill. Project involves commercial and retail space, and 34-acres of recreation.
- Performed investigation and site assessment on brownfield project in which over \$4 million in single business and tax increment financing (TIF) credits were obtained, including approximately \$2 million in TIF credits to address soils unsuitable from a construction perspective.
- Performed and managed aspects of a commercial brownfield redevelopment in Jackson, Michigan. Experience includes peer review of brownfield documents, preparation of ESAs, BEAs, and Due Care Compliance Analysis, soil and groundwater investigation, including evaluation of mercury impact.
- Senior geologist for Manufactured Gas Plant (MGP) sites. Experience includes soil and groundwater investigations, contractor coordination, pathway evaluations, preparation of remedial action work plans and remedial investigation reports.
- Project manager for numerous real estate transfers. Experience includes soil and groundwater investigations, evaluation of extent of impact, contractor coordination, pathway evaluations, and preparation of assessment reports.

❖ Career History: SME since 1997 - Other firms from 1996**❖ Education:** B.S., Environmental Geoscience/Geology, Michigan State University
Candidate for Juris Doctor, Wayne State University Law School
Candidate for Masters of Business Administration, Wayne State University**❖ Certifications:** Certified Professional Geologist – AIPG
8-Hour HAZWOPER Refresher Training – Health & Safety
40-Hour HAZWOPER Course**❖ Affiliations:** American Institute of Professional Geologists (AIPG)
Michigan Association of Environmental Professionals
Royal Oak Downtown Development Authority
Woodward Avenue Action Association – Economic Revitalization Committee

Project Consultant

Identifies possible environmental concerns for Phase I Environmental Site Assessments (ESAs), assists with compliance projects, and performs a broad range of tasks related to Toxic Release Inventory (TRI) reporting.

❖ Professional Qualifications:

- Over 13 years of experience in conducting ESAs including report research, site walkover, and report preparation.
- Over 17 years of experience in Toxic Release Inventory (TRI) reporting, including database management, training, conducting site visits, calculating releases, preparing documentation reports, submitting Form Rs, and analyzing data.

❖ Representative Project Experience:

- Managed/conducted over 200 Phase I ESAs throughout the country for individuals, corporations and lending institutions to identify potential environmental liabilities. Assignments have included vacant land, vacant/active manufacturing sites, medical facilities, restaurants, and other commercial facilities.
- Managed a series of Phase I ESAs for the redevelopment of urban residential properties throughout Michigan by non-profit organizations. The ESA scope included requirements to qualify the projects for Michigan State Housing Development Authority (MSHDA) competitive funding to develop new residential units.
- Managed water quality projects for development and commercial clients. Collected water samples and compared analytical results, as well as selected chemical constituents to National Drinking Water Standards.
- Managed and maintained database for TRI release reporting for a major automobile manufacturer for the past 16 reporting years. Modified database to account for correct usage, exemptions, unit of measure conversions, and process descriptions. Included generation of over 250 Form Rs annually for over 40 facilities. Since 1993, the project also included Environment Canada National Pollutant Release Inventory (NPRI) reporting.
- Assisted in management of database for five-year capital spending plan for environmental staff of a major automobile manufacturer. Coordinated with air, water, hazardous waste, pollution prevention, and toxic substance staff specialists to revise projects and track planned expenditures versus actual costs.

❖ **Career History:** SME since 1997 - Other firms from 1981

❖ **Education:** B.S., Urban and Regional Planning, Eastern Michigan University
ISO 14001 Environmental Management Systems Implementation Training
ISO 14001 Environmental Management Systems Internal Auditing Training

❖ **Certifications:** Certified Hazardous Materials Manager (CHMM)
8-Hour HAZWOPER Refresher Training - Health & Safety

❖ **Affiliations:** American Association of University Women (AAUW) - Plymouth/Canton Chapter – Director of Communications
Inforum (Women’s Economic Club of Detroit)



Performs environmental sampling of soil and water and prepares field activity reports. Performs Phase I Environmental Site Assessments/Updates, Phase II Assessments, Baseline Environmental Assessments (BEAs), Environmental Transaction Screen Process studies and Federal Environmental Assessments (EAs) including report preparation. Performs hazardous materials assessments to address potential hazards prior to renovation or demolition including asbestos, lead, mercury, polychlorinated biphenyls (PCBs), and biological contaminants.

❖ Professional Qualifications:

- Knowledgeable of ASTM Standard E1527-05, E 1528-00, and lending institution requirements including Republic Bank, Comerica Bank, Fifth Third Bank and retail developers including Wal-Mart and Target. Knowledgeable of MSHDA requirements, HUD requirements and noise studies, wetland, asbestos and lead-based paint regulations
- Experienced in many areas of sample collection in compliance with MDEQ and EPA guidelines, including collection of water and soil.
- Experienced in conducting asbestos assessments and sampling procedures in compliance with federal, state and individual lending institution requirements.
- Experienced in visual engineering soil classification.

❖ Representative Project Experience:

- Performed a Federal Environmental Assessment (EA) in accordance with FHWA and FTA joint guidance and procedures for NEPA as well as requirements for MDOT for the Blake Transit Center Redevelopment project in Ann Arbor, Michigan. The property consisted of two parcels on 1.3 acres with the northern parcel developed with a bus transfer station and the southern parcel a seven-story residential tower and community recreational building. Also conducted a study for environmental impacts including 19 impact categories for a Class 3 Action including results of the analysis to determine if a category required additional investigation.
- Conducted an EA and a limited subsurface evaluation combined with a geotechnical evaluation of an urban site for the Capital Area Transportation Authority (CATA). The project involved the proposed construction of a two-story, 21,000 square-foot Ground Transportation Center and a three-story, 24,000 square-foot retail/office building. Assisted client to de-list a structure from the State Historical building list.
- Performed an EA for Lexington Manor in Brighton, Michigan in accordance with HUD Multi-family Accelerated Process (MAP) program and NEPA. The project included a 5.19 acre parcel and proposed renovation of a 120-unit multi-family development, clubhouse and swimming pool to identify adverse human environmental impacts.
- Conducted an EA for the proposed expansion of the 51,000 square-foot Stealth Medical Technologies manufacturing plant in Delhi Township, Michigan, to comply with NEPA requirements. Performed an Eight-step Floodplain Management Planning Process, wetlands permitting and prime farmland evaluation for the preferred site for expansion on the south site property through local, state and federal regulatory agencies.

❖ **Career History:** SME since 2004

❖ **Education:** B.S. Geology, Hope College

❖ **Registration:** Member of American Institute of Professional Geologists (AIPG)

❖ **Certifications:** 40-Hour HAZWOPER Course and Annual 8-Hour Refresher Training
Certified Asbestos Building Inspector
Certified Nuclear Density Meter Operator-Troxler



23. GENERAL COMMENTS

SME conducted this Phase I ESA to identify RECs in connection with the Property and to assess the relative significance of the identified RECs. The findings, opinions, conclusions, and recommendations presented in this report are based upon observations noted during the site visit, and information obtained during the performance of the scope of services on the dates indicated. In the process of obtaining the field and historical information in preparation of this report, procedures were followed that represent reasonable and accepted environmental practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of these professions currently practicing under similar conditions. Records reviewed at various locations as identified within the text of this report, include only those records that were provided to SME by the referenced department on the date indicated. As such, the records provided to SME may not represent all records available at a given source. Appropriate inquiry was made into the past uses of the Property consistent with good commercial or customary practice. As is typical with Phase I ESAs, SME conducted no testing or subsurface evaluation for this assessment.

Due to unknown or latent conditions on the Property, or on adjacent or nearby properties, which may become evident in the future, SME does not represent the Property is free of contamination or hazardous waste material. It should also be noted the Property conditions may change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions and recommendations contained in this report may have to be modified. SME should be retained to review the new information and adjust our opinion and recommendations accordingly.

All reports, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by SME as instruments of service are the property of SME. No parties other than those specifically identified in this report may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing. In any event, any reliance will be subject to the terms and conditions set forth in SME's General Conditions (01/09).

ATTACHMENT C
SOIL BORING LOGS



soil and materials engineers, inc.

PROJECT NAME: Near North
 PROJECT LOCATION: Ann Arbor, Michigan
 CLIENT: Avalon Housing, Inc.

A/E:

Soil Probe SB101

BY: JPB/MSJ START: 2/15/10 END: 2/15/10

PROJECT NUMBER: PE60262C-02 SHEET: 1

DEPTH (FEET)	SYMBOLIC PROFILE	PROFILE DESCRIPTION	SAMPLE TYPE/NUMBER INTERVAL	INCHES OF RECOVERY	BLOWS PER SIX INCHES	PID READINGS	ANALYTICAL SAMPLE	STANDARD PENETRATION TEST RESISTANCES (N-values)									
								0	10	20	30	40	50				
0		GROUND SURFACE ELEVATION= Not Surveyed															
0 - 2.5	X	Fine to Medium Sand- Some Silt- Trace to Some Clay- Trace Gravel- Occasional Roots and Brick- Dark Brown- Moist (SM/ Fill)	LS1			<1	X										
2.5 - 5	/	Sandy Clay- Some Silt- Trace Gravel- Occasional Sand Seams- Brown (CL)	LS2			<1											
5 - 7.5	/		LS3			<1											
7.5 - 10	/		LS4			<1	X										
10 - 12.5	/		LS5			<1											
12.5 - 15	/	Sandy Clay- Some Silt- Trace Gravel- Frequent Sand Partings Above 8 Feet- Occasional Wet Sand Seams Below 8 Feet- Brown Turning Gray at 11 Feet (CL)	LS6			<1											
15 - 17.5	/	END OF SOIL PROBE AT 15 FEET.	LS7			<1											
			LS8			<1											

WATER LEVEL OBSERVATIONS

- ▽ GROUNDWATER ENCOUNTERED DURING DRILLING
- ▽ GROUNDWATER ENCOUNTERED UPON COMPLETION OF DRILLING

Notes: 1. THE INDICATED STRATIFICATION LINES ARE APPROXIMATE. IN SITU, THE TRANSITION BETWEEN MATERIALS MAY BE GRADUAL.
 2. NO ODORS NOTED AND NO STAINING OBSERVED.
 3. SOIL PROBE BACKFILLED WITH NATURAL SOILS AND BENTONITE.

DRILLER: BM
 RIG NO.: Truck Mount

DRILL METHOD: Direct Push
 BACKFILL METHOD: See Note 3

WATER LEVEL DURING DRILLING: 8
 WATER LEVEL UPON COMPLETION: None



soil and materials engineers, inc.

PROJECT NAME: Near North
 PROJECT LOCATION: Ann Arbor, Michigan
 CLIENT: Avalon Housing, Inc.

A/E:

Soil Probe SB102

BY: JPB/MSJ START: 2/15/10 END: 2/15/10

PROJECT NUMBER: PE60262C-02 SHEET: 1

DEPTH (FEET)	SYMBOLIC PROFILE	PROFILE DESCRIPTION	SAMPLE TYPE/NUMBER INTERVAL	INCHES OF RECOVERY	BLOWS PER SIX INCHES	PID READINGS	ANALYTICAL SAMPLE	STANDARD PENETRATION TEST RESISTANCES (N-values)										
								0	10	20	30	40	50					
0		GROUND SURFACE ELEVATION= Not Surveyed																
0 - 2.5	X	Fine to Medium Sand- Some Silt- Trace to Some Clay- Trace Gravel- Dark Brown and Black (SM/Fill)	LS1			<1												
2.5 - 5		Clayey Fine to Medium Sand- Some Silt- Trace Gravel- Occasional Topsoil Seams- Brown to Dark Brown- Moist (SC/Fill)	LS2			<1												
5 - 7.5			LS3			<1												
7.5 - 10			LS4			<1												
10 - 12.5			LS5			<1												
12.5 - 15		Sandy Clay- Some Silt- Trace Gravel- Occasional Sand Partings- Brown Turning Gray Below 8 Feet (CL)	LS6			<1												
15 - 16		Fine to Medium Sand- Trace to Some Silt- Trace Gravel- Gray- Moist to Wet (SP-SM)	LS7			<1												
16 - 17.5		END OF SOIL PROBE AT 16 FEET.	LS8			<1												

WATER LEVEL OBSERVATIONS

- ▽ GROUNDWATER ENCOUNTERED DURING DRILLING
- ▽ GROUNDWATER ENCOUNTERED UPON COMPLETION OF DRILLING

Notes: 1. THE INDICATED STRATIFICATION LINES ARE APPROXIMATE. IN SITU, THE TRANSITION BETWEEN MATERIALS MAY BE GRADUAL.
 2. NO ODORS NOTED AND NO STAINING OBSERVED.
 3. SOIL PROBE BACKFILLED WITH NATURAL SOILS AND BENTONITE.

DRILLER: BM
 RIG NO.: Truck Mount

DRILL METHOD: Direct Push
 BACKFILL METHOD: See Note 3

WATER LEVEL DURING DRILLING: 14
 WATER LEVEL UPON COMPLETION: None



soil and materials engineers, inc.

PROJECT NAME: Near North

A/E:

Soil Probe SB103

PROJECT LOCATION: Ann Arbor, Michigan

BY: JPB/MSJ START: 2/15/10

END: 2/15/10

CLIENT: Avalon Housing, Inc.

PROJECT NUMBER: PE60262C-02

SHEET: 1

DEPTH (FEET)	SYMBOLIC PROFILE	PROFILE DESCRIPTION	SAMPLE TYPE/NUMBER INTERVAL	INCHES OF RECOVERY	BLOWS PER SIX INCHES	PID READINGS	ANALYTICAL SAMPLE	STANDARD PENETRATION TEST RESISTANCES (N-values)										
								0	10	20	30	40	50					
0		GROUND SURFACE ELEVATION= Not Surveyed																
0 - 2.5	X	Fine to Medium Sand- Trace to Some Silt- Trace Gravel and Asphalt- Dark Brown (SP-SM/Fill)	LS1			<1												
2.5 - 5.0	/		LS2			<1												
5.0 - 7.5	/	Sandy Clay- Some Silt- Trace Gravel- Brown (CL)	LS3			<1												
7.5 - 10.0	/		LS4			<1												
10.0 - 12.5	.	Fine to Medium Sand- Some Silt- Trace to Some Clay- Trace Gravel- Brown-Moist to Wet (SM)	LS5			<1												
12.5 - 15.0	/	Sandy Clay- Some Silt- Trace Gravel- Gray (CL)	LS6			<1												
15.0 - 16.0	/		LS7			<1												
16.0 - 17.5	/	END OF SOIL PROBE AT 16 FEET.	LS8			<1												
WATER LEVEL OBSERVATIONS GROUNDWATER ENCOUNTERED DURING DRILLING GROUNDWATER ENCOUNTERED UPON COMPLETION OF DRILLING			Notes: 1. THE INDICATED STRATIFICATION LINES ARE APPROXIMATE. IN SITU, THE TRANSITION BETWEEN MATERIALS MAY BE GRADUAL. 2. NO ODORS NOTED AND NO STAINING OBSERVED. 3. SOIL PROBE BACKFILLED WITH NATURAL SOILS AND BENTONITE.															

DRILLER: BM

DRILL METHOD: Direct Push

WATER LEVEL DURING DRILLING: 10

RIG NO.: Truck Mount

BACKFILL METHOD: See Note 3

WATER LEVEL UPON COMPLETION: None

ATTACHMENT D
LABORATORY ANALYTICAL RESULTS TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
Near North Development
626 - 724 North Main Street
Ann Arbor, Michigan
SME Project No. PE60262C-02
Page 1 of 1

Analyzed Constituents		Part 201 Generic Residential and Commercial I Cleanup Criteria		Sample Identification												
				Depth Below Grade (ft)						Date Collected						
Constituent	CAS Number	Drinking Water Protection Criteria	Direct Contact Criteria	NTH SS-1 0'-1'	NTH SS-2 0'-1'	NTH SS-3 0'-1'	NTH SS-4 0'-1'	NTH SS-5 0'-1'	SME SB101 1'-2'	Duplicate # 1 SB101 1'-2'	SME SB101 6'-7'	SME SB102 1'-2'	SME SB102 12'-13'	SME SB103 1'-2'	SME SB103 8'-9'	
				4/3/2009	4/3/2009	4/3/2009	4/3/2009	4/3/2009	2/11/2010	2/11/2010	2/11/2010	2/11/2010	2/11/2010	2/11/2010	2/11/2010	
VOCs																
Various VOC Constituents	CS	CS	CS	NE	NE	NE	NE	NE	<RL	<RL	<RL	<RL	<RL	<RL	<RL	
PAHs																
Acenaphthylene	208-96-8	5,900	1,600,000	NE	NE	NE	NE	NE	340	540	<330	430	<330	<330	<330	
Anthracene	120-12-7	41,000	230,000,000	NE	NE	NE	NE	NE	<330	440	<330	420	<330	<330	<330	
Benzo(a)anthracene	56-55-3	NLL	20,000	NE	NE	NE	NE	NE	1,100	2,500	<330	1,600	<330	970	570	
Benzo(a)pyrene	50-32-8	NLL	2,000	NE	NE	NE	NE	NE	1,300	3,000	<330	1,900	<330	1,000	550	
Benzo(b)fluoranthene	205-99-2	NLL	20,000	NE	NE	NE	NE	NE	1,700	3,600	<330	2,700	<330	1,500	810	
Benzo(g,h,i)perylene	191-24-2	NLL	2,500,000	NE	NE	NE	NE	NE	990	2,200	<330	1,600	<330	860	550	
Benzo(k)fluoranthene	207-08-9	NLL	200,000	NE	NE	NE	NE	NE	590	1,400	<330	850	<330	490	<330	
Chrysene	218-01-9	NLL	2,000,000	NE	NE	NE	NE	NE	1,200	2,400	<330	1,700	<330	920	430	
Dibenzo(a,h)anthracene	53-70-3	NLL	2,000	NE	NE	NE	NE	NE	<330	430	<330	<330	<330	<330	<330	
Fluoranthene	206-44-0	730,000	46,000,000	NE	NE	NE	NE	NE	2,700	5,100	<330	3,600	<330	2,000	850	
Indeno(1,2,3-cd)pyrene	193-39-5	NLL	20,000	NE	NE	NE	NE	NE	1,000	2,400	<330	1,800	<330	960	580	
Phenanthrene	85-01-8	56,000	1,600,000	NE	NE	NE	NE	NE	1,200	1,500	<330	1,500	<330	800	520	
Pyrene	129-00-0	480,000	29,000,000	NE	NE	NE	NE	NE	2,000	4,000	<330	2,800	<330	1,500	730	
Other PAH Constituents	CS	CS	CS	NE	NE	NE	NE	NE	<RL	<RL	<RL	<RL	<RL	<RL	<RL	
Metals																
Arsenic	7440-38-2	5,800	7,600	8,400	10,000	6,700	18,000	7,700	21,000	17,000	3,600	16,000	4,300	7,200	16,000	
Cadmium*	7440-43-9	6,000	550,000	NE	NE	NE	NE	NE	720	1,000	110	570	100	2,300	200	
Chromium*	16065-83-1	1,000,000,000	790,000,000	NE	NE	NE	NE	NE	11,000	10,000	7,200	8,100	6,700	11,000	6,200	
Chromium VI	18540-29-9	30000	2,500,000	NE	NE	NE	NE	NE	<3,000	<2900	<2,800	<3000	<2700	<3,100	<2,900	
Lead (Coarse Fraction)	7439-92-1	**	400,000	NE	NE	NE	NE	NE	238,000	245,000	NE	306,000	NE	333,000	NE	
Lead (Fine Fraction)	7439-92-1	**	400,000	NE	NE	NE	NE	NE	263,000	543,000	NE	457,000	NE	NA	NE	
Lead (total) *	7439-92-1	700,000	400,000	610,000	260,000	42,000	300,000	340,000	240,000	274,000	5,600	313,000	6,300	333,000	5,800	

NOTES:

Analytical results were compared to MDEQ criteria presented in Administrative Rules for Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, effective January 23, 2006.

VOCs= Volatile Organic Compounds; PAHs= Polycyclic aromatic hydrocarbons

Concentrations reported in micrograms per kilogram (ug/kg).

Highlighted and bolded concentrations exceed applicable Part 201 residential cleanup criteria.

Criteria taken from MDNRE RRD Operational Memorandum #1, Residential and Commercial Part 201 Generic Cleanup Criteria and Screening levels.

Target analyte concentrations were also compared to GSI protection, groundwater contact protection, indoor air inhalation and ambient air volatile soil inhalation criteria (infinite source), which are not listed in above table because the concentrations were below the applicable criteria.

(CS) - Criterion is specific to individual constituent.

(<RL) - Analytical result was less than the respective reporting limit.

(NE) - Analysis not evaluated.

(**) - Criterion or value is not available

(NLL) - Hazardous substance is not likely to leach under most soil conditions.

(NA)- Less than one gram of fine fraction in the sieve analysis of fine/coarse lead.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Near North Development
626-724 North Main Street
Ann Arbor, MICHIGAN
SME Project No. PE60262C-02
Page 1 of 1

Analyzed Constituents		MDEQ Part 201 Generic Residential/Industrial Cleanup Criteria and Screening Levels		Sample Identification, Screen Depth, and Collection Date						
Constituent	CAS Number	Drinking Water Criteria	Ground Water Surface Water Interface (GSI) Criteria	NTH SB6 12'-16' 4/3/2009	NTH SB7 11'-15' 4/3/2009	SME SB102 11'-16' 2/11/2010	Duplicate #2 SB102 11'-16' 2/11/2010	SME SB103 10'-15' 2/11/2010	SME TRIP BLANK 2/11/2010	SME METHANOL BLANK 2/11/2010
VOCs										
Various VOC Constituents	CS	CS	CS	<RL	<RL	<RL	<RL	<RL	<RL	<RL
PAHs										
Various PAH Constituents	CS	CS	CS	NE	NE	<RL	<RL	<RL	NE	NE
Metals										
Arsenic	7440-38-2	10	50	37	28	<5	<5	7.5	NE	NE
Barium *	7440-39-3	2,000	160	340	600	NE	NE	NE	NE	NE
Cadmium *	7440-43-9	5.0	2.5	<1.0	1.5	<1.0	<1.0	<1.0	NE	NE
Chromium (III) *	16065-83-1	100	100	50	120	<10	<10	<10	NE	NE
Copper *	7440-50-8	1000 (E)	13	91.0	240	NE	NE	NE	NE	NE
Lead *	7439-92-1	4.0	14	37	100	<3.0	<3.0	10	NE	NE
Mercury (total)	Varies	2.0	0.0013	<0.20	0.32	NE	NE	NE	NE	NE
Selenium	7782-49-2	50	5.0	5.7	9.4	NE	NE	NE	NE	NE
Silver	7440-22-4	34	0.2 (M); 0.06	<0.20	0.31	NE	NE	NE	NE	NE
Zinc *	7440-66-6	2,400	170	280	640	NE	NE	NE	NE	NE

NOTES:

Analytical results were compared to MDEQ criteria presented in Administrative Rules for Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, effective January 23, 2006.

VOCs= Volatile Organic Compounds; PAHs= Polycyclic aromatic hydrocarbons

Concentrations reported in micrograms per kilogram (ug/kg).

Highlighted and bolded concentrations exceed applicable Part 201 residential cleanup criteria.

Criteria taken from MDNRE RRD Operational Memorandum #1, Residential and Commercial Part 201 Generic Cleanup Criteria and Screening levels.

Results are presented for surface water receiving bodies that are protected as a drinking water source.

ATTACHMENT E

**LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY
DOCUMENTATION**



Friday, April 10, 2009

Fibertec Project Number: 33452
Project Identification: Three Oaks
Submittal Date: 4/3/2009

Mr. Brian Trent
NTH Consultants, Ltd. - Lansing
608 S. Washington Ave
Lansing, MI 48933

Dear Mr. Trent,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed by NELAC compliant methodologies and the results compiled in the attached report. Any exceptions to compliance are noted in the report. These results apply only to those samples submitted.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345. Please note samples will be disposed of 30 days after reporting date.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl P. Strandbergh".

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Soil/Solid
Fibertec Project Number:	33452	Sample Number:	33452-001

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SS-1 0-1
Project Number:	NA	Client Sample Number:	1
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 19.2%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
-----------------------------	--	---	--

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
---------	--------	-------	--------------	-----------------	------------	----------------	--------------------	---------

Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	19	%	0.1	1	MC090406	4/6/2009	4/7/2009	BMG
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Trace Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	8400	µg/kg	100	1	PT09D08C	4/8/2009	4/9/2009	MAP
Lead	610000	µg/kg	1000	1	PT09D08C	4/8/2009	4/9/2009	MAP

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Soil/Solid
Fibertec Project Number:	33452	Sample Number:	33452-002

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SS-2 0-1
Project Number:	NA	Client Sample Number:	2
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 24.2%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
---------	--------	-------	--------------	-----------------	------------	----------------	--------------------	---------

Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	24	%	0.1	1	MC090406	4/6/2009	4/7/2009	BMG
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Trace Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	10000	µg/kg	100	1	PT09D08C	4/8/2009	4/9/2009	MAP
Lead	260000	µg/kg	1000	1	PT09D08C	4/8/2009	4/9/2009	MAP

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Soil/Solid
Fibertec Project Number:	33452	Sample Number:	33452-003

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SS-3 0-1
Project Number:	NA	Client Sample Number:	3
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 45.3%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
---------	--------	-------	--------------	-----------------	------------	----------------	--------------------	---------

Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	45	%	0.1	1	MC090406	4/6/2009	4/7/2009	BMG
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Trace Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	6700	µg/kg	100	1	PT09D08C	4/8/2009	4/9/2009	MAP
Lead	42000	µg/kg	1000	1	PT09D08C	4/8/2009	4/9/2009	MAP

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Soil/Solid
Fibertec Project Number:	33452	Sample Number:	33452-004

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SS-4 0-1
Project Number:	NA	Client Sample Number:	4
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 21.6%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
---------	--------	-------	--------------	-----------------	------------	----------------	--------------------	---------

Dry Weight Determination (ASTM D 2974-87)

Percent Moisture (Water Content)	22	%	0.1	1	MC090406	4/6/2009	4/7/2009	BMG
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Trace Elements by ICP/MS (EPA 3050B/EPA 6020)

Arsenic	18000	µg/kg	100	1	PT09D08C	4/8/2009	4/9/2009	MAP
Lead	300000	µg/kg	1000	1	PT09D08C	4/8/2009	4/9/2009	MAP

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Soil/Solid
Fibertec Project Number:	33452	Sample Number:	33452-005

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SS-5 0-1
Project Number:	NA	Client Sample Number:	5
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments: **All Results Reported On Dry Weight Basis. Percent Moisture = 16.8%.**

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Dry Weight Determination (ASTM D 2974-87)								
Percent Moisture (Water Content)	17	%	0.1	1	MC090406	4/6/2009	4/7/2009	BMG
Trace Elements by ICP/MS (EPA 3050B/EPA 6020)								
Arsenic	7700	µg/kg	100	1	PT09D08C	4/8/2009	4/9/2009	MAP
Lead	340000	µg/kg	1000	1	PT09D08C	4/8/2009	4/9/2009	MAP

Analytical Laboratory Report

Client Identification: **NTH Consultants, Ltd. - Lansing** Sample Matrix: **Ground Water**
Fibertec Project Number: **33452** Sample Number: **33452-006**

Client Sample Information

Project Identification: **Three Oaks** Client Sample Description: **SB-6 12-16**
Project Number: **NA** Client Sample Number: **6**
Sample Date: **4/3/2009** Chain of Custody Number: **82797**

Comments:

Definitions/Qualifiers:
 A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
 B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
 E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)								
Acetone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG
Acrylonitrile	U	µg/L	2.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Benzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromochloromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromodichloromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromoform	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromomethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Butanone	U	µg/L	25	1	V909D08B	4/9/2009	4/9/2009	BAG
n-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
sec-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
tert-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Carbon Disulfide	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Carbon Tetrachloride	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloroethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloroform	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Chlorotoluene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dibromochloromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-006

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-6 12-16
Project Number:	NA	Client Sample Number:	6
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)

1,2-Dibromo-3-chloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dibromomethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,3-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,4-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dichlorodifluoromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1-Dichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
cis-1,2-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
trans-1,2-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
cis-1,3-Dichloropropene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
trans-1,3-Dichloropropene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Ethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Ethylene Dibromide	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Hexanone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG
Methyl Iodide	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Isopropylbenzene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
4-Methyl-2-pentanone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-006

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-6 12-16
Project Number:	NA	Client Sample Number:	6
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)								
Methylene Chloride	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Methylnaphthalene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
MTBE	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Naphthalene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
n-Propylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Styrene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Tetrachloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Toluene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,4-Trichlorobenzene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,1-Trichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,2-Trichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Trichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Trichlorofluoromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,3-Trichloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,3-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,4-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,3,5-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Vinyl Chloride	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-006

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-6 12-16
Project Number:	NA	Client Sample Number:	6
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 3)

Xylenes	U	µg/L	3.0	1	V909D08B	4/9/2009	4/9/2009	BAG
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Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-006A

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-6 12-16
Project Number:	NA	Client Sample Number:	6
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Michigan 10 Elements by ICP/MS, Total (EPA 3005A/EPA 6020)								
Arsenic	37	µg/L	5.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Barium	340	µg/L	100	1	PT09D08B	4/8/2009	4/9/2009	MAP
Cadmium	U	µg/L	1.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Chromium	50	µg/L	10	1	PT09D08B	4/8/2009	4/9/2009	MAP
Copper	91	µg/L	4.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Lead	37	µg/L	3.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Selenium	5.7	µg/L	5.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Silver	U	µg/L	0.20	1	PT09D08B	4/8/2009	4/9/2009	MAP
Zinc	280	µg/L	50	1	PT09D08B	4/8/2009	4/9/2009	MAP
Mercury by CVAAS, Total (EPA 7470A)								
Mercury	U	µg/L	0.20	1	PM09D06A	4/7/2009	4/7/2009	MAP

Analytical Laboratory Report

Client Identification: **NTH Consultants, Ltd. - Lansing** Sample Matrix: **Ground Water**
Fibertec Project Number: **33452** Sample Number: **33452-007**

Client Sample Information

Project Identification: **Three Oaks** Client Sample Description: **SB-7 11-15**
Project Number: **NA** Client Sample Number: **7**
Sample Date: **4/3/2009** Chain of Custody Number: **82797**

Comments:

Definitions/Qualifiers:
 A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
 B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
 E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)								
Acetone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG
Acrylonitrile	U	µg/L	2.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Benzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromochloromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromodichloromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromoform	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromomethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Butanone	U	µg/L	25	1	V909D08B	4/9/2009	4/9/2009	BAG
n-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
sec-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
tert-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Carbon Disulfide	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Carbon Tetrachloride	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloroethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloroform	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Chlorotoluene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dibromochloromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification: **NTH Consultants, Ltd. - Lansing** Sample Matrix: **Ground Water**
Fibertec Project Number: **33452** Sample Number: **33452-007**

Client Sample Information

Project Identification: **Three Oaks** Client Sample Description: **SB-7 11-15**
Project Number: **NA** Client Sample Number: **7**
Sample Date: **4/3/2009** Chain of Custody Number: **82797**

Comments:

Definitions/Qualifiers:
 A: Spike recovery or precision unusable due to dilution. J: The concentration is an estimated value. X: Matrix Interference has resulted in a raised reporting limit or distorted result.
 B: The analyte was detected in the associated method blank. U: The analyte was not detected at or above the reporting limit. W: Results reported on a wet-weight basis.
 E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated. *: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)								
1,2-Dibromo-3-chloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dibromomethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,3-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,4-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dichlorodifluoromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1-Dichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
cis-1,2-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
trans-1,2-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
cis-1,3-Dichloropropene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
trans-1,3-Dichloropropene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Ethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Ethylene Dibromide	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Hexanone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG
Methyl Iodide	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Isopropylbenzene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
4-Methyl-2-pentanone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-007

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-7 11-15
Project Number:	NA	Client Sample Number:	7
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)								
Methylene Chloride	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Methylnaphthalene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
MTBE	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Naphthalene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
n-Propylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Styrene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Tetrachloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Toluene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,4-Trichlorobenzene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,1-Trichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,2-Trichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Trichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Trichlorofluoromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,3-Trichloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,3-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,4-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,3,5-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Vinyl Chloride	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-007

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-7 11-15
Project Number:	NA	Client Sample Number:	7
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)

Xylenes	U	µg/L	3.0	1	V909D08B	4/9/2009	4/9/2009	BAG
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Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-007A

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	SB-7 11-15
Project Number:	NA	Client Sample Number:	7
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/Qualifiers:

A: Spike recovery or precision unusable due to dilution.	J: The concentration is an estimated value.	X: Matrix Interference has resulted in a raised reporting limit or distorted result.
B: The analyte was detected in the associated method blank.	U: The analyte was not detected at or above the reporting limit.	W: Results reported on a wet-weight basis.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.		*: Value reported is outside QA limits

Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Michigan 10 Elements by ICP/MS, Total (EPA 3005A/EPA 6020)

Arsenic	28	µg/L	5.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Barium	600	µg/L	100	1	PT09D08B	4/8/2009	4/9/2009	MAP
Cadmium	1.5	µg/L	1.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Chromium	120	µg/L	10	1	PT09D08B	4/8/2009	4/9/2009	MAP
Copper	240	µg/L	4.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Lead	100	µg/L	3.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Selenium	9.4	µg/L	5.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Silver	0.31	µg/L	0.20	1	PT09D08B	4/8/2009	4/9/2009	MAP
Zinc	640	µg/L	50	1	PT09D08B	4/8/2009	4/9/2009	MAP

Mercury by CVAAS, Total (EPA 7470A)

Mercury	0.32	µg/L	0.20	1	PM09D06A	4/7/2009	4/7/2009	MAP
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Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-008

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	DUP-100
Project Number:	NA	Client Sample Number:	8
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)

Acetone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG
Acrylonitrile	U	µg/L	2.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Benzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromochloromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromodichloromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromoform	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Bromomethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Butanone	U	µg/L	25	1	V909D08B	4/9/2009	4/9/2009	BAG
n-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
sec-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
tert-Butylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Carbon Disulfide	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Carbon Tetrachloride	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloroethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloroform	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Chloromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Chlorotoluene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dibromochloromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-008

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	DUP-100
Project Number:	NA	Client Sample Number:	8
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)

1,2-Dibromo-3-chloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dibromomethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,3-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,4-Dichlorobenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Dichlorodifluoromethane	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1-Dichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
cis-1,2-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
trans-1,2-Dichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2-Dichloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
cis-1,3-Dichloropropene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
trans-1,3-Dichloropropene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Ethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Ethylene Dibromide	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Hexanone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG
Methyl Iodide	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Isopropylbenzene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
4-Methyl-2-pentanone	U	µg/L	50	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-008

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	DUP-100
Project Number:	NA	Client Sample Number:	8
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)								
Methylene Chloride	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
2-Methylnaphthalene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
MTBE	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Naphthalene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
n-Propylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Styrene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,1,2-Tetrachloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,2,2-Tetrachloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Tetrachloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Toluene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,4-Trichlorobenzene	U	µg/L	5.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,1-Trichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,1,2-Trichloroethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Trichloroethene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Trichlorofluoromethane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,3-Trichloropropane	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,3-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,2,4-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
1,3,5-Trimethylbenzene	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG
Vinyl Chloride	U	µg/L	1.0	1	V909D08B	4/9/2009	4/9/2009	BAG

Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-008

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	DUP-100
Project Number:	NA	Client Sample Number:	8
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
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Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) (Sample pH = 4)

Xylenes	U	µg/L	3.0	1	V909D08B	4/9/2009	4/9/2009	BAG
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Analytical Laboratory Report

Client Identification:	NTH Consultants, Ltd. - Lansing	Sample Matrix:	Ground Water
Fibertec Project Number:	33452	Sample Number:	33452-008A

Client Sample Information

Project Identification:	Three Oaks	Client Sample Description:	DUP-100
Project Number:	NA	Client Sample Number:	8
Sample Date:	4/3/2009	Chain of Custody Number:	82797

Comments:

Definitions/ Qualifiers:	A: Spike recovery or precision unusable due to dilution. B: The analyte was detected in the associated method blank. E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.	J: The concentration is an estimated value. U: The analyte was not detected at or above the reporting limit.	X: Matrix Interference has resulted in a raised reporting limit or distorted result. W: Results reported on a wet-weight basis. *: Value reported is outside QA limits
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Analyte	Result	Units	Report Limit	Dilution Factor	Prep Batch	Prep Date/Time	Analysis Date/Time	Analyst
Michigan 10 Elements by ICP/MS, Total (EPA 3005A/EPA 6020)								
Arsenic	16	µg/L	5.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Barium	360	µg/L	100	1	PT09D08B	4/8/2009	4/9/2009	MAP
Cadmium	U	µg/L	1.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Chromium	49	µg/L	10	1	PT09D08B	4/8/2009	4/9/2009	MAP
Copper	94	µg/L	4.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Lead	38	µg/L	3.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Selenium	8.0	µg/L	5.0	1	PT09D08B	4/8/2009	4/9/2009	MAP
Silver	U	µg/L	0.20	1	PT09D08B	4/8/2009	4/9/2009	MAP
Zinc	250	µg/L	50	1	PT09D08B	4/8/2009	4/9/2009	MAP
Mercury by CVAAS, Total (EPA 7470A)								
Mercury	U	µg/L	0.20	1	PM09D06A	4/7/2009	4/7/2009	MAP



Friday, February 26, 2010

Fibertec Project Number: 37910 Supplemental
Project Identification: Near North /PE60262C-02
Submittal Date: 02/11/2010

Mr. J.P. Buckingham
Soil and Materials Engineers, Inc. - Lansing
2663 Eaton Rapids Road
Lansing, MI 48911

Dear Mr. Buckingham,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

Sample 37910-006 (SB103-S1) provided less than 1 gram of fine fraction in the sieve analysis of fine/coarse lead.

In the case of samples consisting of primarily clay and when insufficient fine fraction exists, the total lead is acceptable for comparison to direct contact and inhalation criteria.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl P. Strandbergh".

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-001

Order: 37910
Page: 2 of 6
Date: 02/26/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB101-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 1	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 09:45

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead, MDEQ Criteria (EPA 0200.2/EPA 6020)				Aliquot ID: 37910-001A		Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead, Coarse Fraction	238000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
2. Lead, Fine Fraction	263000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
3. Lead, Total (Calculated)	240000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
4. Percent Total Solids (NN)	84.7		%	0.1	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-003

Order: 37910
Page: 3 of 6
Date: 02/26/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	SB102-S1	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	3	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Soil/Solid	Collect Time:	10:45

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead, MDEQ Criteria (EPA 0200.2/EPA 6020)	Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: JLH			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead, Coarse Fraction	306000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
2. Lead, Fine Fraction	457000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
3. Lead, Total (Calculated)	313000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
4. Percent Total Solids (NN)	86.7		%	0.1	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-006

Order: 37910
Page: 4 of 6
Date: 02/26/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB103-S1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **6** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **12:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead, MDEQ Criteria (EPA 0200.2/EPA 6020)				Aliquot ID: 37910-006A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Lead, Coarse Fraction	333000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C	
2. Lead, Fine Fraction	NA		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C	
3. Lead, Total (Calculated)	333000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C	
4. Percent Total Solids (NN)	82.8		%	0.1	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C	

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F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-009

Order: 37910
Page: 5 of 6
Date: 02/26/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: DUPLICATE #1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 9	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Lead, MDEQ Criteria (EPA 0200.2/EPA 6020)				Aliquot ID: 37910-009A		Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Lead, Coarse Fraction	245000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
2. Lead, Fine Fraction	543000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
3. Lead, Total (Calculated)	274000		µg/kg	1000	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C
4. Percent Total Solids (NN)	84.4		%	0.1	1.0	02/25/10	PT10B25C	02/25/10	PT10B25C

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Definitions/ Qualifiers:

- A:** Spike recovery or precision unusable due to dilution.
- B:** The analyte was detected in the associated method blank.
- E:** The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J:** The concentration is an estimated value.
- U:** The analyte was not detected at or above the reporting limit.
- X:** Matrix Interference has resulted in a raised reporting limit or distorted result.
- W:** Results reported on a wet-weight basis.
- *:** Value reported is outside QA limits

Exception Summary:



Accreditation Number:

100312



Friday, March 12, 2010

Fibertec Project Number: 37910 Supplemental
Project Identification: Near North /PE60262C-02
Submittal Date: 02/11/2010

Mr. J.P. Buckingham
Soil and Materials Engineers, Inc. - Lansing
2663 Eaton Rapids Road
Lansing, MI 48911

Dear Mr. Buckingham,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl Strandbergh", written in a cursive style.

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures



Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-001

Order: 37910
Page: 2 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB101-S1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **1** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **09:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-001A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	17		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-001A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	21000		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	720		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	11000		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	210000		µg/kg	1000	200	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-002

Order: 37910
Page: 3 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB101-S4** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **2** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-002A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	10		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-002A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	3600		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	110		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	7200		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	5600		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-003

Order: 37910
Page: 4 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB102-S1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **3** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	15		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	16000		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	570		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	8100		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	190000		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-004

Order: 37910
Page: 5 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB102-S7** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **4** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **10:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-004A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	8.6		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-004A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	4300		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	100		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	6700		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	6300		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-005

Order: 37910
Page: 6 of 12
Date: 03/12/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	SB102-GW	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	5	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Ground Water	Collect Time:	10:55

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 37910-005A			Matrix: Ground Water		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
2. Cadmium	U		µg/L	1.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
3. Chromium	U		µg/L	10	10	02/15/10	PT10B15A	02/15/10	T210B15A
4. Lead	U		µg/L	3.0	10	02/15/10	PT10B15A	02/15/10	T210B15A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-006

Order: 37910
Page: 7 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB103-S1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **6** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **12:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-006A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	19		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-006A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	7200		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	2300		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	11000		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	300000		µg/kg	1000	200	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-007

Order: 37910
Page: 8 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB103-S5** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **7** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **12:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	13		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	16000		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	200		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	6200		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	5800		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-008

Order: 37910
Page: 9 of 12
Date: 03/12/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	SB103-GW	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	8	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Ground Water	Collect Time:	12:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 37910-008A			Matrix: Ground Water		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	7.5		µg/L	5.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
2. Cadmium	U		µg/L	1.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
3. Chromium	U		µg/L	10	10	02/15/10	PT10B15A	02/15/10	T210B15A
4. Lead	10		µg/L	3.0	10	02/15/10	PT10B15A	02/15/10	T210B15A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-009

Order: 37910
Page: 10 of 12
Date: 03/12/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **DUPLICATE #1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **9** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	15		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	17000		µg/kg	100	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Cadmium	1000		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Chromium	10000		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
4. Lead	220000		µg/kg	1000	200	02/15/10	PT10B15C	02/16/10	T210B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-010

Order: 37910
Page: 11 of 12
Date: 03/12/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	DUPLICATE #2	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	10	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 37910-010A			Matrix: Ground Water		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
2. Cadmium	U		µg/L	1.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
3. Chromium	U		µg/L	10	10	02/15/10	PT10B15A	02/15/10	T210B15A
4. Lead	U		µg/L	3.0	10	02/15/10	PT10B15A	02/15/10	T210B15A

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Definitions/ Qualifiers:

- A:** Spike recovery or precision unusable due to dilution.
- B:** The analyte was detected in the associated method blank.
- E:** The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J:** The concentration is an estimated value.
- U:** The analyte was not detected at or above the reporting limit.
- X:** Matrix Interference has resulted in a raised reporting limit or distorted result.
- W:** Results reported on a wet-weight basis.
- *:** Value reported is outside QA limits

Exception Summary:



Accreditation Number:

100312

RECEIVED
MAR - 2 2010
SME LANSING

February 19, 2010

Case Narrative

Customer: SME
Project Identification: Neer North/PE60262C-02
Fibertec Project Number: 37910

Sample Collection/ Receipt

The following samples were collected and received by Fibertec on February 11, 2010.

8 Soils (including a Methanol Blank)

4 Waters (including a Trip Blank)

All samples were received on ice and in good condition.

Analysis

Analyses were conducted in accordance with chain of custody and within hold times.

All applicable quality assurance / quality control parameters were within acceptance limits unless otherwise noted.

Volatiles


Samples 37910-006 (SB103-S1), 37910-007 (SB103-S5), 37910-009 (Duplicate #1), and 37910-012 (Meth Blank) are estimated for 2-methylnaphthalene, low continuing calibration verification. Results may be biased low.

Hexavalent Chromium

Spiked sample recovery was not within control limits for sample 37910-001 (SB101-S1). Batch pre-digestion and post-digestion spike exhibited low recoveries. Oxidizing reduction potential analysis confirmed reducing nature of samples.



Authorized Signature



Date



Thursday, February 18, 2010

RECEIVED
MAR - 2 2010
SME LANSING

Fibertec Project Number: 37910
Project Identification: Near North /PE60262C-02
Submittal Date: 02/11/2010

Mr. J.P. Buckingham
Soil and Materials Engineers, Inc. - Lansing
2663 Eaton Rapids Road
Lansing, MI 48911

Dear Mr. Buckingham,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-001

Order: 37910
Page: 2 of 36
Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB101-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 1	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 09:45

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-001A			Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	17		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212	

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-001A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	720		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A	
2. Chromium	11000		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A	
3. Lead	210000		µg/kg	1000	200	02/15/10	PT10B15C	02/16/10	T210B16A	

Chromium, Hexavalent (EPA 3060A/EPA 7196A)				Aliquot ID: 37910-001A			Matrix: Soil/Solid		Analyst: HAW	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Chromium VI		U	J,N1	µg/kg	3000	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-001			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone		U	µg/kg	1000	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
2. Acrylonitrile		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
3. Benzene		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
4. Bromobenzene		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
5. Bromochloromethane		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
6. Bromodichloromethane		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
7. Bromoform		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
8. Bromomethane		U	µg/kg	200	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
9. 2-Butanone		U	µg/kg	750	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
10. n-Butylbenzene		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
11. sec-Butylbenzene		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
12. tert-Butylbenzene		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
13. Carbon Disulfide		U	µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
14. Carbon Tetrachloride		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
15. Chlorobenzene		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
16. Chloroethane		U	µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
17. Chloroform		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
18. Chloromethane		U	µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
19. 2-Chlorotoluene		U	µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
20. Dibromochloromethane		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
21. 1,2-Dibromo-3-chloropropane		U	µg/kg	12	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
22. Dibromomethane		U	µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
23. 1,2-Dichlorobenzene		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
24. 1,3-Dichlorobenzene		U	µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-001

Order: 37910
 Page: 3 of 36
 Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB101-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 1	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 09:45

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-001		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
36. Ethylene Dibromide	U		µg/kg	24	1.0	02/12/10	V310B12A	02/12/10	V310B12A
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
43. MTBE	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
46. Styrene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
50. Toluene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	V310B12A	02/12/10	V310B12A
61. Xylenes	U		µg/kg	150	1.0	02/12/10	V310B12A	02/12/10	V310B12A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-001A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1914 Holloway Drive			Holt, MI 48842			T: (517) 699-0345		F: (517) 699-0388	
11766 E. Grand River			Brighton, MI 48116			T: (810) 220-3300		F: (810) 220-3311	
8660 S. Mackinaw Trail			Cadillac, MI 49601			T: (231) 775-8368		F: (231) 775-8584	



Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-001

Order: 37910
Page: 4 of 36
Date: 02/18/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB101-S1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **1** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **09:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-001A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acenaphthene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
2. Acenaphthylene	340		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
3. Anthracene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
4. Benzo(a)anthracene	1100		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
5. Benzo(a)pyrene	1300		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
6. Benzo(b)fluoranthene	1700		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
7. Benzo(ghi)perylene	990		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
8. Benzo(k)fluoranthene	590		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
9. Chrysene	1200		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
10. Dibenzo(a,h)anthracene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
11. Fluoranthene	2700		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
12. Fluorene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
13. Indeno(1,2,3-cd)pyrene	1000		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
14. 2-Methylnaphthalene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
15. Naphthalene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
16. Phenanthrene	1200		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
17. Pyrene	2000		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-002

Order: 37910
Page: 5 of 36
Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB101-S4	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 2	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 09:55

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-002A			Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	10		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212	

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-002A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	110		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A	
2. Chromium	7200		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A	
3. Lead	5600		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A	

Chromium, Hexavalent (EPA 3060A/EPA 7196A)				Aliquot ID: 37910-002A			Matrix: Soil/Solid		Analyst: HAW	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Chromium VI	U		µg/kg	2800	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A	

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-002			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/kg	1000	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
3. Benzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
7. Bromoform	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
17. Chloroform	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	11	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-002

Order: 37910
Page: 6 of 36
Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB101-S4	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 2	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 09:55

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-002		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
36. Ethylene Dibromide	U		µg/kg	22	1.0	02/12/10	V310B12A	02/12/10	V310B12A
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
43. MTBE	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
46. Styrene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
50. Toluene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	V310B12A	02/12/10	V310B12A
61. Xylenes	U		µg/kg	150	1.0	02/12/10	V310B12A	02/12/10	V310B12A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-002A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1914 Holloway Drive			Holt, MI 48842			T: (517) 699-0345		F: (517) 699-0388	
11766 E. Grand River			Brighton, MI 48116			T: (810) 220-3300		F: (810) 220-3311	
8660 S. Mackinaw Trail			Cadillac, MI 49601			T: (231) 775-8368		F: (231) 775-8584	



Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-002

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Date: 02/18/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB101-S4** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **2** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **09:55**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Alliquot ID: 37910-002A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acenaphthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
2. Acenaphthylene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
3. Anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
4. Benzo(a)anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
5. Benzo(a)pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
9. Chrysene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
11. Fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
12. Fluorene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
15. Naphthalene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
16. Phenanthrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
17. Pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-003

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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 3	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 10:45

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	15		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212	

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	570		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A	
2. Chromium	8100		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A	
3. Lead	190000		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A	

Chromium, Hexavalent (EPA 3060A/EPA 7196A)				Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: HAW	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Chromium VI	U		µg/kg	3000	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A	

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-003			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/kg	1000	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
3. Benzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
7. Bromoform	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
17. Chloroform	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	12	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-003

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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 3	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 10:45

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-003		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
36. Ethylene Dibromide	U		µg/kg	24	1.0	02/12/10	V310B12A	02/12/10	V310B12A
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
43. MTBE	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
44. Naphthalene	U		µg/kg	390	1.0	02/12/10	V310B12A	02/12/10	V310B12A
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
46. Styrene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
50. Toluene	U		µg/kg	59	1.0	02/12/10	V310B12A	02/12/10	V310B12A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	V310B12A	02/12/10	V310B12A
61. Xylenes	U		µg/kg	180	1.0	02/12/10	V310B12A	02/12/10	V310B12A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-003A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1914 Holloway Drive			Holt, MI 48842			T: (517) 699-0345		F: (517) 699-0388	
11766 E. Grand River			Brighton, MI 48116			T: (810) 220-3300		F: (810) 220-3311	
8660 S. Mackinaw Trail			Cadillac, MI 49601			T: (231) 775-8368		F: (231) 775-8584	



Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-003

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Date: 02/18/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB102-S1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **3** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **10:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-003A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
2. Acenaphthylene (SIM)	430		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
3. Anthracene (SIM)	420		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
4. Benzo(a)anthracene (SIM)	1600		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
5. Benzo(a)pyrene (SIM)	1900		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
6. Benzo(b)fluoranthene (SIM)	2700		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
7. Benzo(ghi)perylene (SIM)	1600		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
8. Benzo(k)fluoranthene (SIM)	850		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
9. Chrysene (SIM)	1700		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
11. Fluoranthene (SIM)	3600		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
12. Fluorene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
13. Indeno(1,2,3-cd)pyrene (SIM)	1800		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
15. Naphthalene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
16. Phenanthrene (SIM)	1500		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
17. Pyrene (SIM)	2800		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-004

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-S7	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 4	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 10:50

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-004A			Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	8.6		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212	

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-004A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	100		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A	
2. Chromium	6700		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A	
3. Lead	6300		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A	

Chromium, Hexavalent (EPA 3060A/EPA 7196A)				Aliquot ID: 37910-004A			Matrix: Soil/Solid		Analyst: HAW	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Chromium VI	U		µg/kg	2700	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A	

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-004			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/kg	1000	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
3. Benzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
7. Bromoform	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
17. Chloroform	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	11	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-004

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-S7	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 4	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 10:50

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-004		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
36. Ethylene Dibromide	U		µg/kg	22	1.0	02/12/10	V310B12A	02/12/10	V310B12A
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	V310B12A	02/12/10	V310B12A
43. MTBE	U		µg/kg	250	1.0	02/12/10	V310B12A	02/12/10	V310B12A
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
46. Styrene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
50. Toluene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	V310B12A	02/12/10	V310B12A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	V310B12A	02/12/10	V310B12A
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	V310B12A	02/12/10	V310B12A
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	V310B12A	02/12/10	V310B12A
61. Xylenes	U		µg/kg	150	1.0	02/12/10	V310B12A	02/12/10	V310B12A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-004A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-004

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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-S7	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 4	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 10:50

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-004A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acenaphthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
2. Acenaphthylene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
3. Anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
4. Benzo(a)anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
5. Benzo(a)pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
9. Chrysene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
11. Fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
12. Fluorene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
15. Naphthalene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
16. Phenanthrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
17. Pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-005

Order: 37910
Page: 14 of 36
Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-GW	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 5	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: 10:55

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 37910-005A			Matrix: Ground Water		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Cadmium	U		µg/L	1.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
2. Chromium	U		µg/L	10	10	02/15/10	PT10B15A	02/15/10	T210B15A
3. Lead	U		µg/L	3.0	10	02/15/10	PT10B15A	02/15/10	T210B15A

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-005			Matrix: Ground Water		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
2. Acrylonitrile	U		µg/L	2.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
3. Benzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
4. Bromobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
5. Bromochloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
6. Bromodichloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
7. Bromoform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
8. Bromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
9. 2-Butanone	U		µg/L	25	1.0	02/16/10	V910B16A	02/16/10	V910B16A
10. n-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
11. sec-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
12. tert-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
13. Carbon Disulfide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
15. Chlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
16. Chloroethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
17. Chloroform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
18. Chloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
20. Dibromochloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
22. Dibromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-005

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB102-GW	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 5	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: 10:55

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-005			Matrix: Ground Water		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
35. Ethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
36. Ethylene Dibromide	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
37. 2-Hexanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
38. Isopropylbenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
39. Methyl Iodide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
40. Methylene Chloride	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
42. 4-Methyl-2-pentanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
43. MTBE	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
44. Naphthalene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
45. n-Propylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
46. Styrene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
49. Tetrachloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
50. Toluene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
54. Trichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
55. Trichlorofluoromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
60. Vinyl Chloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
61. Xylenes	U		µg/L	3.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 37910-005B			Matrix: Ground Water		Analyst: TMC
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
2. Acenaphthylene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
3. Anthracene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
9. Chrysene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-005

Order: 37910
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Date: 02/18/10

Client Identification: Soll and Materials Engineers, Inc. - Lansing	Sample Description: SB102-GW	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 5	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: 10:55

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Allquot ID: 37910-005B			Matrix: Ground Water		Analyst: TMC
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
11. Fluoranthene	U		µg/L	1.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
12. Fluorene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
15. Naphthalene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
16. Phenanthrene	U		µg/L	2.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A
17. Pyrene	U		µg/L	5.0	1.0	02/17/10	PS10B17C	02/17/10	S310B17A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-006

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB103-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 6	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 12:00

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)	Aliquot ID: 37910-006A			Matrix: Soil/Solid			Analyst: BMG		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	19		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)	Aliquot ID: 37910-006A			Matrix: Soil/Solid			Analyst: JLH		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Cadmium	2300		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A
2. Chromium	11000		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A
3. Lead	300000		µg/kg	1000	200	02/15/10	PT10B15C	02/16/10	T210B16A

Chromium, Hexavalent (EPA 3060A/EPA 7196A)	Aliquot ID: 37910-006A			Matrix: Soil/Solid			Analyst: HAW		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Chromium VI	U		µg/kg	3100	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)	Aliquot ID: 37910-006			Matrix: Soil/Solid			Analyst: JAS		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
3. Benzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
7. Bromoform	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
17. Chloroform	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-006

Order: 37910
Page: 18 of 36
Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB103-S1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 6	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 12:00

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-006			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
28. 1,2-Dichloroethane	U		µg/kg	61	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
32. 1,2-Dichloropropane	U		µg/kg	61	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
36. Ethylene Dibromide	U		µg/kg	25	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
41. 2-Methylnaphthalene (NN)	U	J,V-	µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
43. MTBE	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
46. Styrene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
50. Toluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
61. Xylenes	U		µg/kg	150	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-006A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1914 Holloway Drive			Holt, MI 48842			T: (517) 699-0345			F: (517) 699-0388	
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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-006

Order: 37910
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Date: 02/18/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	SB103-S1	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	6	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Soil/Solid	Collect Time:	12:00
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.				

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-006A			Matrix: Soil/Solid		Analyst: BDA
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
2. Acenaphthylene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
3. Anthracene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
4. Benzo(a)anthracene (SIM)	970		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
5. Benzo(a)pyrene (SIM)	1000		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
6. Benzo(b)fluoranthene (SIM)	1500		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
7. Benzo(ghi)perylene (SIM)	860		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
8. Benzo(k)fluoranthene (SIM)	490		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
9. Chrysene (SIM)	920		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
11. Fluoranthene (SIM)	2000		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
12. Fluorene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
13. Indeno(1,2,3-cd)pyrene (SIM)	960		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
15. Naphthalene (SIM)	U		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
16. Phenanthrene (SIM)	800		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A
17. Pyrene (SIM)	1500		µg/kg	330	40	02/17/10	PS10B17A	02/18/10	S510B18A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-007

Order: 37910
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 Date: 02/18/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **SB103-S5** Chain of Custody: **95584**
 Client Project Name: **Near North** Sample No: **7** Collect Date: **02/11/10**
 Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **12:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	13		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212	

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	200		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A	
2. Chromium	6200		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A	
3. Lead	5800		µg/kg	1000	20	02/15/10	PT10B15C	02/16/10	T210B16A	

Chromium, Hexavalent (EPA 3060A/EPA 7196A)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: HAW	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Chromium VI	U		µg/kg	2900	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A	

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-007			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/kg	1000	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
3. Benzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
7. Bromoform	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
17. Chloroform	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-007

Order: 37910
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Date: 02/18/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	SB103-S5	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	7	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Soil/Solid	Collect Time:	12:15
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-007			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
28. 1,2-Dichloroethane	U		µg/kg	57	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
32. 1,2-Dichloropropane	U		µg/kg	57	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
36. Ethylene Dibromide	U		µg/kg	23	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
41. 2-Methylnaphthalene (NN)	U	J,V-	µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
43. MTBE	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
46. Styrene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
48. 1,1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
50. Toluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
61. Xylenes	U		µg/kg	150	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
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8660 S. Mackinaw Trail			Cadillac, MI 49601			T: (231) 775-8368		F: (231) 775-8584		



Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-007

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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB103-S5	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 7	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: 12:15

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-007A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acenaphthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
2. Acenaphthylene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
3. Anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
4. Benzo(a)anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
5. Benzo(a)pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
9. Chrysene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
11. Fluoranthene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
12. Fluorene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
15. Naphthalene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
16. Phenanthrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	
17. Pyrene	U		µg/kg	330	1.0	02/17/10	PS10B17A	02/17/10	S510B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-008

Order: 37910
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Date: 02/18/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	SB103-GW	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	8	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Ground Water	Collect Time:	12:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 37910-008A			Matrix: Ground Water		Analyst: JLH
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Cadmium	U		µg/L	1.0	10	02/15/10	PT10B15A	02/15/10	T210B15A
2. Chromium	U		µg/L	10	10	02/15/10	PT10B15A	02/15/10	T210B15A
3. Lead	10		µg/L	3.0	10	02/15/10	PT10B15A	02/15/10	T210B15A

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-008			Matrix: Ground Water		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
2. Acrylonitrile	U		µg/L	2.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
3. Benzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
4. Bromobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
5. Bromochloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
6. Bromodichloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
7. Bromoform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
8. Bromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
9. 2-Butanone	U		µg/L	25	1.0	02/16/10	V910B16A	02/16/10	V910B16A
10. n-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
11. sec-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
12. tert-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
13. Carbon Disulfide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
15. Chlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
16. Chloroethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
17. Chloroform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
18. Chloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
20. Dibromochloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
22. Dibromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-008

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB103-GW	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 8	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: 12:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-008			Matrix: Ground Water		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
35. Ethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
36. Ethylene Dibromide	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
37. 2-Hexanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
38. Isopropylbenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
39. Methyl Iodide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
40. Methylene Chloride	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
42. 4-Methyl-2-pentanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
43. MTBE	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
44. Naphthalene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
45. n-Propylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
46. Styrene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
49. Tetrachloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
50. Toluene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
54. Trichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
55. Trichlorofluoromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
60. Vinyl Chloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
61. Xylenes	U		µg/L	3.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 37910-008B			Matrix: Ground Water		Analyst: TMC
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
2. Acenaphthylene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
3. Anthracene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
4. Benzo(a)anthracene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
5. Benzo(a)pyrene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
6. Benzo(b)fluoranthene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
7. Benzo(ghi)perylene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
8. Benzo(k)fluoranthene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
9. Chrysene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-008

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: SB103-GW	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 8	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: 12:30

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 37910-008B			Matrix: Ground Water		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
11. Fluoranthene	U		µg/L	1.3	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	
12. Fluorene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	
14. 2-Methylnaphthalene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	
15. Naphthalene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	
16. Phenanthrene	U		µg/L	2.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	
17. Pyrene	U		µg/L	5.0	1.3	02/17/10	PS10B17C	02/17/10	S310B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-009

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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: DUPLICATE #1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 9	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	15		%	0.1	1.0	02/12/10	MC100212	02/15/10	MC100212	

Trace Elements by ICP/MS (EPA 3050B/EPA 6020)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	1000		µg/kg	50	20	02/15/10	PT10B15C	02/16/10	T210B16A	
2. Chromium	10000		µg/kg	500	20	02/15/10	PT10B15C	02/16/10	T210B16A	
3. Lead	220000		µg/kg	1000	200	02/15/10	PT10B15C	02/16/10	T210B16A	

Chromium, Hexavalent (EPA 3060A/EPA 7196A)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: HAW	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Chromium VI	U		µg/kg	2900	1.0	02/17/10	WF10B17A	02/18/10	WF10B17A	

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-009			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/kg	1000	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
3. Benzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
7. Bromoform	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
17. Chloroform	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-009

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: DUPLICATE #1	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 9	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Soil/Solid	Collect Time: NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-009			Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
28. 1,2-Dichloroethane	U		µg/kg	59	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
32. 1,2-Dichloropropane	U		µg/kg	59	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
36. Ethylene Dibromide	U		µg/kg	23	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
41. 2-Methylnaphthalene (NN)	U	J,V-	µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
43. MTBE	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
46. Styrene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
50. Toluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	
61. Xylenes	U		µg/kg	150	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A	

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-009

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Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **DUPLICATE #1** Chain of Custody: **95584**
Client Project Name: **Near North** Sample No: **9** Collect Date: **02/11/10**
Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C)				Aliquot ID: 37910-009A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acenaphthene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
2. Acenaphthylene	540		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
3. Anthracene	440		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
4. Benzo(a)anthracene	2500		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
5. Benzo(a)pyrene	3000		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
6. Benzo(b)fluoranthene	3600		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
7. Benzo(ghi)perylene	2200		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
8. Benzo(k)fluoranthene	1400		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
9. Chrysene	2400		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
10. Dibenzo(a,h)anthracene	430		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
11. Fluoranthene	5100		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
12. Fluorene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
13. Indeno(1,2,3-cd)pyrene	2400		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
14. 2-Methylnaphthalene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
15. Naphthalene	U		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
16. Phenanthrene	1500		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	
17. Pyrene	4000		µg/kg	330	5.0	02/17/10	PS10B17A	02/17/10	S510B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-010

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Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	DUPLICATE #2	Chain of Custody:	95584
Client Project Name:	Near North	Sample No:	10	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020)				Aliquot ID: 37910-010A			Matrix: Ground Water		Analyst: JLH	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Cadmium	U		µg/L	1.0	10	02/15/10	PT10B15A	02/15/10	T210B15A	
2. Chromium	U		µg/L	10	10	02/15/10	PT10B15A	02/15/10	T210B15A	
3. Lead	U		µg/L	3.0	10	02/15/10	PT10B15A	02/15/10	T210B15A	

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-010			Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
2. Acrylonitrile	U		µg/L	2.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
3. Benzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
4. Bromobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
5. Bromochloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
6. Bromodichloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
7. Bromoform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
8. Bromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
9. 2-Butanone	U		µg/L	25	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
10. n-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
11. sec-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
12. tert-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
13. Carbon Disulfide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
15. Chlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
16. Chloroethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
17. Chloroform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
18. Chloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
20. Dibromochloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
22. Dibromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-010

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Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: DUPLICATE #2	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 10	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-010			Matrix: Ground Water		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
35. Ethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
36. Ethylene Dibromide	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
37. 2-Hexanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
38. Isopropylbenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
39. Methyl iodide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
40. Methylene Chloride	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
42. 4-Methyl-2-pentanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
43. MTBE	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
44. Naphthalene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
45. n-Propylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
46. Styrene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
49. Tetrachloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
50. Toluene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
54. Trichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
55. Trichlorofluoromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
60. Vinyl Chloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	
61. Xylenes	U		µg/L	3.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A	

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 37910-010B			Matrix: Ground Water		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acenaphthene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
2. Acenaphthylene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
3. Anthracene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
4. Benzo(a)anthracene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
5. Benzo(a)pyrene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
6. Benzo(b)fluoranthene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
7. Benzo(ghi)perylene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
8. Benzo(k)fluoranthene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
9. Chrysene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A	

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-010

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Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: DUPLICATE #2	Chain of Custody: 95584
Client Project Name: Near North	Sample No: 10	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C)				Aliquot ID: 37910-010B			Matrix: Ground Water		Analyst: TMC
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
11. Fluoranthene	U		µg/L	1.1	1.1	02/17/10	PS10B17C	02/17/10	S310B17A
12. Fluorene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A
15. Naphthalene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A
16. Phenanthrene	U		µg/L	2.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A
17. Pyrene	U		µg/L	5.0	1.1	02/17/10	PS10B17C	02/17/10	S310B17A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-011

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Date: 02/18/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	TRIP BLANK	Chain of Custody:	95585
Client Project Name:	Near North	Sample No:	11	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-011			Matrix: Ground Water		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
2. Acrylonitrile	U		µg/L	2.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
3. Benzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
4. Bromobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
5. Bromochloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
6. Bromodichloromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
7. Bromoform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
8. Bromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
9. 2-Butanone	U		µg/L	25	1.0	02/16/10	V910B16A	02/16/10	V910B16A
10. n-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
11. sec-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
12. tert-Butylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
13. Carbon Disulfide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
15. Chlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
16. Chloroethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
17. Chloroform	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
18. Chloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
20. Dibromochloromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
22. Dibromomethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
35. Ethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
36. Ethylene Dibromide	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
37. 2-Hexanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
38. Isopropylbenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
39. Methyl Iodide	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
40. Methylene Chloride	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-011

Order: 37910
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Date: 02/18/10

Client Identification: Soil and Materials Engineers, Inc. - Lansing	Sample Description: TRIP BLANK	Chain of Custody: 95585
Client Project Name: Near North	Sample No: 11	Collect Date: 02/11/10
Client Project No: PE60262C-02	Sample Matrix: Ground Water	Collect Time: NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 37910-011			Matrix: Ground Water		Analyst: JAS
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
42. 4-Methyl-2-pentanone	U		µg/L	50	1.0	02/16/10	V910B16A	02/16/10	V910B16A
43. MTBE	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
44. Naphthalene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
45. n-Propylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
46. Styrene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
49. Tetrachloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
50. Toluene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
54. Trichloroethene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
55. Trichlorofluoromethane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
60. Vinyl Chloride	U		µg/L	1.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A
61. Xylenes	U		µg/L	3.0	1.0	02/16/10	V910B16A	02/16/10	V910B16A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-012

Order: 37910
 Page: 34 of 36
 Date: 02/18/10

Client Identification: **Soil and Materials Engineers, Inc. - Lansing** Sample Description: **METH BLANK** Chain of Custody: **95585**
 Client Project Name: **Near North** Sample No: **12** Collect Date: **02/11/10**
 Client Project No: **PE60262C-02** Sample Matrix: **Soil/Solid** Collect Time: **NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-012		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
2. Acrylonitrile	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
3. Benzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
4. Bromobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
5. Bromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
6. Bromodichloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
7. Bromoform	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
8. Bromomethane	U		µg/kg	200	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
9. 2-Butanone	U		µg/kg	750	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
10. n-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
11. sec-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
12. tert-Butylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
13. Carbon Disulfide	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
14. Carbon Tetrachloride	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
15. Chlorobenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
16. Chloroethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
17. Chloroform	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
18. Chloromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
19. 2-Chlorotoluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
20. Dibromochloromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	10	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
22. Dibromomethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
35. Ethylbenzene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
36. Ethylene Dibromide	U		µg/kg	20	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
37. 2-Hexanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
38. Isopropylbenzene	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
39. Methyl Iodide	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
40. Methylene Chloride	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A

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Analytical Laboratory Report
Laboratory Project Number: 37910
Laboratory Sample Number: 37910-012

Order: 37910
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Date: 02/18/10

Client Identification:	Soil and Materials Engineers, Inc. - Lansing	Sample Description:	METH BLANK	Chain of Custody:	95585
Client Project Name:	Near North	Sample No:	12	Collect Date:	02/11/10
Client Project No:	PE60262C-02	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 37910-012		Matrix: Soil/Solid		Analyst: JAS	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
41. 2-Methylnaphthalene (NN)	U	J,V-	µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
43. MTBE	U		µg/kg	250	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
44. Naphthalene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
45. n-Propylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
46. Styrene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
49. Tetrachloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
50. Toluene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
54. Trichloroethene	U		µg/kg	50	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
55. Trichlorofluoromethane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
60. Vinyl Chloride	U		µg/kg	40	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A
61. Xylenes	U		µg/kg	150	1.0	02/12/10	VA10B12A	02/12/10	VA10B12A

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Definitions/ Qualifiers:

- A:** Spike recovery or precision unusable due to dilution.
- B:** The analyte was detected in the associated method blank.
- E:** The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J:** The concentration is an estimated value.
- U:** The analyte was not detected at or above the reporting limit.
- X:** Matrix Interference has resulted in a raised reporting limit or distorted result.
- W:** Results reported on a wet-weight basis.
- *:** Value reported is outside QA limits

Exception Summary:

- N1** : Spiked sample recovery not within control limits.
- V-** : Recovery in the associated continuing calibration verification sample (CCV) exceeds the lower control limit. Results may be biased low.



Accreditation Number:

100312

Quality Control Summary
Wet Chemistry Department
Hexavalent Chromium, Colorimetric - Solid

Preparation Method: EPA 3060A
Preparation Batch: WF10B17A-CR6
Preparation Date: 2/17/2010
Preparer: HAW

Analysis Method: EPA 7196A
Analysis Batch: WF10B17A-CR6
Analysis Date: 2/18/2010
Analyst: HAW

Method Blank (MB)

Parameter	CAS #	Result (mg/kg)	PQL (mg/kg)				Q
1. Chromium VI	18540-29-9	U	2.0				

Laboratory Control Sample (LCS)

Parameter	CAS #	Result (mg/kg)	PQL (mg/kg)	Spike (mg/kg)	Rec. (%)	LCL - UCL	Q
1. Chromium VI	18540-29-9	172.5	2.0	200	86%	75 - 125	

Laboratory Control Sample - Insoluble (LCS_insol)

Parameter	CAS #	Result (mg/kg)	PQL (mg/kg)	Spike (mg/kg)	Rec. (%)	LCL - UCL	Q
1. Chromium VI	18540-29-9	697.6	2.0	523	133%	75 - 125	*

Matrix Quality Control Data

Sample used for Matrix QC: **37910-001**
Sample comments: **None**

Matrix Spike (MS)

Parameter	CAS #	Sample Result (mg/kg)	PQL (mg/kg)	MS Result (mg/kg)	Spike (mg/kg)	Rec. (%)	LCL - UCL	Q
1. Chromium VI	18540-29-9	U	2.0	88.3	200	44%	75 - 125	*

Matrix Spike - Insoluble (MS_insol)

Parameter	CAS #	Sample Result (mg/kg)	PQL (mg/kg)	MS_insol Result (mg/kg)	Spike (mg/kg)	Rec. (%)	LCL - UCL	Q
1. Chromium VI	18540-29-9	U	2.0	675.6	523	129%	75-125	*

Post-Digestion Spike (PDS)

Parameter	CAS #	Sample Result (mg/kg)	PQL (mg/kg)	PDS Result (mg/kg)	Spike (mg/kg)	Rec. (%)	LCL - UCL	Q
1. Chromium VI	18540-29-9	U	2.0	187.0	200	93%	85-115	

Sample Duplicate (DUP)

Parameter	CAS #	Sample Result (mg/kg)	PQL (mg/kg)	DUP Result (mg/kg)	PQL (mg/kg)	RPD (%)	UCL	Q
1. Chromium VI	18540-29-9	U	2.0	U	2.0	NA	20	

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

PQL = Practical Quantitation Limit. This represents the higher value of either the method detection limit or the lowest calibration point for the analysis.
U = Result below PQL * = Recovery exceeds control limits.

[Signature] 2/26/10
Laboratory Approval/Date
[Signature] 2/26/10
Quality Assurance Review/Date



**Quality Control Report
LCS/LCD Precision Summary
Semivolatile Organics by GC/MS
Aqueous**

Preparation Batch: **PS10B17C**
Preparation Date: **02/17/10**

Parameter	Spike µg/L	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q
1. Acenaphthene	80.0	91	84	8	30	
2. Acenaphthylene	80.0	90	86	4	30	
3. Anthracene	80.0	90	83	8	30	
4. Benzo(a)anthracene	80.0	89	82	8	30	
5. Benzo(a)pyrene	80.0	88	86	3	30	
6. Benzo(b)fluoranthene	80.0	88	82	7	30	
7. Benzo(ghi)perylene	80.0	89	87	3	30	
8. Benzo(k)fluoranthene	80.0	90	83	8	30	
9. Chrysene	80.0	71	69	3	30	
10. Dibenzo(a,h)anthracene	80.0	95	89	6	30	
11. Fluoranthene	80.0	90	88	2	30	
12. Fluorene	80.0	88	85	3	30	
13. Indeno(1,2,3-cd)pyrene	80.0	94	89	6	30	
14. 2-Methylnaphthalene	80.0	75	73	3	30	
15. Naphthalene	80.0	88	85	4	30	
16. Phenanthrene	80.0	88	85	3	30	
17. Pyrene	80.0	91	84	9	30	

Parameter	Spike µg/L	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q
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System Monitoring Compounds (Surrogates):	Spike µg/L	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q
1. 2-Fluorobiphenyl(S)	80.0	89	86	3	30	
2. Nitrobenzene-d5(S)	80.0	15	14	7	30	
3. 4-Terphenyl-d14(S)	80.0	94	93	1	30	

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

* = Recovery exceeds control limits RPD = Relative Percent Difference
U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.

Sample Information:
LCS Analysis Batch: **S310B17A**
LCS Analysis Date/Time: **02/17/10 20:00**
LCD Analysis Batch: **S310B17A**
LCD Analysis Date/Time: **02/17/10 20:54**

Jimmy M. Coffman 02/18/10
Laboratory Approval/Date

M 2/18/10
Quality Assurance Review/Date



Quality Control Report
Laboratory Control Sample (LCS)
Semivolatile Organics by GC/MS
Aqueous

Preparation Batch: PS10B17C
Preparation Date: 02/17/10

Analysis Sequence: S310B17A
Analysis Date/Time: 02/17/10 20:00

Parameter	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1. Acenaphthene	72.5	80.0	91	47 - 145	
2. Acenaphthylene	71.7	80.0	90	33 - 145	
3. Anthracene	71.9	80.0	90	27 - 133	
4. Benzo(a)anthracene	71.1	80.0	89	33 - 143	
5. Benzo(a)pyrene	70.8	80.0	88	17 - 163	
6. Benzo(b)fluoranthene	70.4	80.0	88	24 - 159	
7. Benzo(ghi)perylene	71.6	80.0	89	10 - 219	
8. Benzo(k)fluoranthene	71.7	80.0	90	11 - 162	
9. Chrysene	56.9	80.0	71	17 - 168	
10. Dibenzo(a,h)anthracene	75.7	80.0	95	10 - 227	
11. Fluoranthene	72.0	80.0	90	26 - 137	
12. Fluorene	70.1	80.0	88	59 - 121	
13. Indeno(1,2,3-cd)pyrene	75.3	80.0	94	10 - 171	
14. 2-Methylnaphthalene	60.0	80.0	75	19 - 104	
15. Naphthalene	70.2	80.0	88	21 - 133	
16. Phenanthrene	70.6	80.0	88	54 - 120	
17. Pyrene	73.1	80.0	91	52 - 115	
System Monitoring Compounds (Surrogates):	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1. 2-Fluorobiphenyl(S)	71.3	80.0	89	11 - 118	
2. Nitrobenzene-d5(S)	12.3	80.0	15	10 - 96	
3. 4-Terphenyl-d14(S)	75.4	80.0	94	17 - 136	

Parameter	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
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NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
 * = Recovery exceeds control limits

Sammy M. Coffman 2/18/10
 Laboratory Approval/Date

MM 2/18/10
 Quality Assurance Review/Date



Quality Control Report
Method Blank (MB)
Semivolatile Organics by GC/MS
Aqueous

Preparation Batch: PS10B17C
Preparation Date: 02/17/10

Analysis Sequence: S310B17A
Analysis Date/Time: 02/17/10 19:07

Parameter	Result µg/L	PQL µg/L
1. Acenaphthene	U	1.00
2. Acenaphthylene	U	1.00
3. Anthracene	U	1.00
4. Benzo(a)anthracene	U	1.00
5. Benzo(a)pyrene	U	1.00
6. Benzo(b)fluoranthene	U	1.00
7. Benzo(ghi)perylene	U	1.00
8. Benzo(k)fluoranthene	U	1.00
9. Chrysene	U	1.00
10. Dibenzo(a,h)anthracene	U	1.00
11. Fluoranthene	U	1.00
12. Fluorene	U	1.00
13. Indeno(1,2,3-cd)pyrene	U	1.00
14. 2-Methylnaphthalene	U	1.00
15. Naphthalene	U	1.00
16. Phenanthrene	U	1.00
17. Pyrene	U	1.00

Parameter	Result µg/L	PQL µg/L
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System Monitoring Compounds (Surrogates):	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1. 2-Fluorobiphenyl(S)	67.0	80.0	84	11 - 118	
2. Nitrobenzene-d5(S)	12.5	80.0	16	10 - 96	
3. 4-Terphenyl-d14(S)	68.0	80.0	85	17 - 136	

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
 * = Recovery exceeds control limits

Danny M. Coffman 2/19/10
 Laboratory Approval/Date

DM 2/18/10
 Quality Assurance Review/Date

QUALITY ASSURANCE REPORT
for
LABORATORY BATCH NUMBER
PS10B17A-PNA
SEMI-VOLATILES

Sample Matrix : SOIL/SOLID Analytical Method : SW-846 8270D - PNA
Preparation Method : SW-846 3550B
Inclusive Projects : VARIOUS Analysis Date : 2/17/2010
Preparation Date : 2/17/2010
Preparer(s) Initials: DW Analyst(s) Initials: BDA

Analyte	RL	Units	Matrix Blank		Laboratory Control Sample (LCS - reported elsewhere)				MATRIX SPIKE / MATRIX SPIKE DUPLICATE (MS / MSD)														
			Conc. (mg/Kg)	Flag	Conc. Spiked (mg/Kg)	LCS Conc. (mg/Kg)	LCS Percent Recovery	LCL (%)	UCL (%)	Flag	Laboratory Sample ID	Sample Conc. W (mg/Kg)	Conc. W Spiked (mg/Kg)	MS Conc. W (mg/Kg)	MSD Conc. W (mg/Kg)	MS Percent Recovery	MSD Percent Recovery	LCL (%)	UCL (%)	Flag	RPD MS/MSD (%)	UCL (%)	Flag
Naphthalene	0.330	mg/Kg								U	2.67	0.90	2.37	33.9	88.8	29	119				89.6	30	*
2-Methylnaphthalene	0.330	mg/Kg								U	2.67	0.77	2.03	28.8	76.2	33	115		*		90.3	30	*
Acenaphthylene	0.330	mg/Kg								U	2.67	0.94	2.40	35.2	89.9	32	126				87.5	30	*
Acenaphthene	0.330	mg/Kg								U	2.67	0.92	2.36	34.6	88.4	32	122				87.4	30	*
Fluorene	0.330	mg/Kg								U	2.67	0.91	2.32	34.3	87.0	30	130				87.0	30	*
Phenanthrene	0.330	mg/Kg								U	2.67	0.92	2.47	34.5	92.4	36	127		*		91.2	30	*
Anthracene	0.330	mg/Kg								U	2.67	0.90	2.46	33.6	92.3	35	126		*		93.2	30	*
Fluoranthene	0.330	mg/Kg								U	2.67	0.96	2.57	35.8	96.3	38	131		*		91.6	30	*
Pyrene	0.330	mg/Kg								U	2.67	1.01	2.77	37.8	103.6	35	130		*		93.1	30	*
Benz(a)anthracene	0.330	mg/Kg								U	2.67	0.89	2.45	33.3	91.9	33	131		*		93.7	30	*
Chrysene	0.330	mg/Kg								U	2.67	0.75	2.12	28.2	79.3	34	134		*		95.0	30	*
Benzo(b)fluoranthene	0.330	mg/Kg								U	2.67	0.94	2.53	35.1	94.8	36	133		*		92.0	30	*
Benzo(k)fluoranthene	0.330	mg/Kg								U	2.67	0.94	2.52	35.2	94.5	41	129		*		91.4	30	*
Benzo(a)pyrene	0.330	mg/Kg								U	2.67	0.95	2.55	35.6	95.5	40	129		*		91.4	30	*
Indeno(1,2,3-cd)pyrene	0.330	mg/Kg								U	2.67	0.95	2.57	35.6	96.3	25	165		*		92.0	30	*
Dibenz(a,h)anthracene	0.330	mg/Kg								U	2.67	0.93	2.47	34.8	92.6	29	145		*		90.7	30	*
Benzo(ghi)perylene	0.330	mg/Kg								U	2.67	0.97	2.59	36.2	97.0	24	153		*		91.3	30	*
4-Terphenyl D-14 (S)		mg/Kg								3.0	2.67	0.97	2.73	36.3	102.2	29	136		*		95.1	30	*

Codes, Flags :
 U The analyte was not detected at or above the quantification limit.
 E The analyte was detected at a concentration greater than the calibration range; therefore the result is estimated.
 * The value is outside quality control limits
 W Result is always reported as "wet weight".

Comments :
 The analyte was detected at a conc. below the quant. limit but above the method detection limit.
 The analyte was detected in the associated method blank.
 Matrix interference has resulted in an elevated reporting limit or distorted QC result.
 Spike recovery or precision unusable due to dilution.

1914 Holloway Drive Holt, Michigan 48842 Telephone: (517) 699-0345 Facsimile: (517) 699-0388
 11776 Grand River Avenue Brighton, Michigan 48116 Telephone: (810) 220-3300 Facsimile: (810) 220-3311

Chemist/Date: *Abdullah Smith 2/19/10*
 Quality Assurance Officer/Date: *ZM 2/22/10*

Quality Control Report
Laboratory Control Sample (LCS)
Semivolatile Organics by GC/MS
Soil/Solid

Preparation Batch: PS10B17A
Preparation Date: 02/17/10

Analysis Sequence: S510B17A
Analysis Date/Time: 02/17/10 10:53

Parameter	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
1. Acenaphthene	1700	2670	64	32 - 122	
2. Acenaphthylene	1730	2670	65	32 - 126	
3. Anthracene	1760	2670	66	35 - 126	
4. Benzo(a)anthracene	1740	2670	65	33 - 131	
5. Benzo(a)pyrene	1840	2670	69	40 - 129	
6. Benzo(b)fluoranthene	1810	2670	68	36 - 133	
7. Benzo(ghi)perylene	1620	2670	61	24 - 153	
8. Benzo(k)fluoranthene	1810	2670	68	41 - 129	
9. Chrysene	1450	2670	54	34 - 134	
10. Dibenzo(a,h)anthracene	1630	2670	61	29 - 145	
11. Fluoranthene	1760	2670	66	38 - 131	
12. Fluorene	1700	2670	64	30 - 130	
13. Indeno(1,2,3-cd)pyrene	1670	2670	63	25 - 155	
14. 2-Methylnaphthalene	1460	2670	55	33 - 115	
15. Naphthalene	1660	2670	62	29 - 119	
16. Phenanthrene	1740	2670	65	36 - 127	
17. Pyrene	1950	2670	73	35 - 130	
System Monitoring Compounds (Surrogates):	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1. 2-Fluorobiphenyl(S)	1620	2670	61	10 - 139	
2. Nitrobenzene-d5(S)	1490	2670	56	10 - 151	
3. 4-Terphenyl-d14(S)	1850	2670	69	29 - 132	

Parameter	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
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NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
* = Recovery exceeds control limits

Bethany D. Bennett 2-18-10
Laboratory Approval/Date

21 2/22/10
Quality Assurance Review/Date



Quality Control Report
Method Blank (MB)
Semivolatile Organics by GC/MS
Soil/Solid

Preparation Batch: PS10B17A
Preparation Date: 02/17/10

Analysis Sequence: S510B17A
Analysis Date/Time: 02/17/10 10:08

Parameter	Result µg/kg	PQL µg/kg
1. Acenaphthene	U	33.3
2. Acenaphthylene	U	33.3
3. Anthracene	U	33.3
4. Benzo(a)anthracene	U	33.3
5. Benzo(a)pyrene	U	33.3
6. Benzo(b)fluoranthene	U	33.3
7. Benzo(ghi)perylene	U	33.3
8. Benzo(k)fluoranthene	U	33.3
9. Chrysene	U	33.3
10. Dibenzo(a,h)anthracene	U	33.3
11. Fluoranthene	U	33.3
12. Fluorene	U	33.3
13. Indeno(1,2,3-cd)pyrene	U	33.3
14. 2-Methylnaphthalene	U	33.3
15. Naphthalene	U	33.3
16. Phenanthrene	U	33.3
17. Pyrene	U	33.3

Parameter	Result µg/kg	PQL µg/kg
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System Monitoring Compounds (Surrogates):	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1. 2-Fluorobiphenyl(S)	2490	2670	93	10 - 139	
2. Nitrobenzene-d5(S)	2280	2670	86	10 - 151	
3. 4-Terphenyl-d14(S)	3090	2670	116	29 - 132	

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
 * = Recovery exceeds control limits

Bethany D. Karnat 2-18-10
 Laboratory Approval/Date

ZM 2/22/10
 Quality Assurance Review/Date



QUALITY ASSURANCE REPORT
for
LABORATORY BATCH NUMBER
V910B16A

VOLATILES

Sample Matrix: WATER, TOTAL Analytical Method: SW-846 8260 UST
 Inclusive Projects: VARIOUS Preparation Date: 2/16/2010 Analysis Date: 2/16/2010
 Preparer(s) Initials: JAS Analyst(s) Initials: JAS

MATRIX SPIKE//MATRIX SPIKE DUPLICATE

Laboratory Sample ID	Sample Conc. (ug/L)	Conc. Spiked (ug/L)	MS Conc. (ug/L)	MSD Conc. (ug/L)	MS Percent Recovery	MSD Percent Recovery	LCL (%)	UCL (%)	Flag	RPD MS/MSD (%)	UCL (%)	Flag
37898-001	U	100	140.6	142.5	141	142	10	251		1.3	20	
37898-001	U	100	138.4	138.4	138	138	10	234		0.1	20	
37898-001	U	100	106.7	108.2	107	108	10	221		1.4	20	
37898-001	U	100	121.6	121.9	122	122	54	156		0.2	20	
37898-001	U	100	118.8	121.0	119	121	59	155		1.9	20	
37898-001	U	100	131.8	132.5	132	132	70	124	*	0.5	20	
37898-001	U	100	115.6	116.5	116	116	52	162		9.7	20	
37898-001	U	100	117.0	118.4	117	118	70	140		1.2	20	
37898-001	U	100	130.7	122.7	121	123	37	151		1.7	20	
37898-001	U	100	117.4	119.4	117	119	82	128		1.7	20	
37898-001	2.8	100	128.7	132.0	126	129	71	157		2.6	20	
37898-001	U	100	128.3	130.4	128	130	35	155		1.6	20	
37898-001	U	100	113.5	114.4	114	114	52	150		0.8	20	
37898-001	U	100	125.0	127.3	125	127	47	150		1.8	20	
37898-001	U	100	168.3	169.9	168	170	80	126		1.5	20	
37898-001	U	100	130.8	133.5	131	134	64	148		2.6	20	
37898-001	U	100	122.8	118.6	123	119	46	195		3.5	20	
37898-001	U	100	129.6	131.8	130	132	37	162		1.7	20	
37898-001	U	300	383.6	389.3	383	390	83	133		1.5	20	
37898-001	U	100	114.7	116.4	115	116	69	132		1.5	20	
37898-001	99.5	100	108.1	106.4	108	106	49	155		2	20	
37898-001	106.9	100	112.2	111.9	112	112	64	139		0	20	
37898-001	106.9	100	108.1	109.3	108	109	73	125		1	20	

Matrix Blank	Conc. (ug/L)	Flag	LCS Conc. (ug/L)	LCS Percent Recovery	LCL (%)	UCL (%)	Flag
U	0.0		0.0	0.0	69	185	*
U	0.0		0.0	0.0	59	174	*
U	0.0		0.0	0.0	49	159	*
U	0.0		0.0	0.0	50	174	*
U	0.0		0.0	0.0	59	161	*
U	0.0		0.0	0.0	57	155	*
U	0.0		0.0	0.0	70	153	*
U	0.0		0.0	0.0	81	158	*
U	0.0		0.0	0.0	72	141	*
U	0.0		0.0	0.0	77	136	*
U	0.0		0.0	0.0	77	129	*
U	0.0		0.0	0.0	75	136	*
U	0.0		0.0	0.0	82	122	*
U	0.0		0.0	0.0	85	130	*
U	0.0		0.0	0.0	78	131	*
U	0.0		0.0	0.0	25	141	*
U	0.0		0.0	0.0	58	161	*
U	0.0		0.0	0.0	60	154	*
U	0.0		0.0	0.0	65	147	*
U	0.0		0.0	0.0	65	145	*
0	0.0		0.0	0.0	72	130	*
0	0.0		0.0	0.0	86	129	*
0	0.0		0.0	0.0	85	121	*

Analytic	REL	Units
Vinyl chloride	1.00	ug/L
1,1-Dichloroethene	1.00	ug/L
Methylene chloride	1.00	ug/L
trans-1,2-Dichloroethene	1.00	ug/L
1,1-Dichloroethane	1.00	ug/L
cis-1,2-Dichloroethene	1.00	ug/L
1,1,1-Trichloroethane	1.00	ug/L
Carbon tetrachloride	1.00	ug/L
Benzene	1.00	ug/L
1,2-Dichloropropane	1.00	ug/L
Trichloroethene	1.00	ug/L
Bromodichloromethane	1.00	ug/L
1,1,2-Trichloroethane	1.00	ug/L
Toluene	1.00	ug/L
Dibromochloromethane	1.00	ug/L
Tetrachloroethene	1.00	ug/L
2-Hexanone	1.00	ug/L
Ethylbenzene	1.00	ug/L
total-Xylene	3.00	ug/L
Styrene	1.00	ug/L
Dibromofluoromethane (S)**		ug/L
Toluene-d8 (S)**		ug/L
4-Bromofluorobenzene (S)**		ug/L

Codes/Flags:
 U The analyte was not detected at or above the quantitation limit.
 E The analyte was detected at a concentration greater than the calibration range; therefore the result is estimated.
 * The value is outside quality control limits
 W Result is always reported as "wet weight".

The analyte was detected at a conc. below the quant. limit but above the method detection limit.
 Matrix interference has resulted in an elevated reporting limit or distorted QC result.
 Spike recovery or precision unusably due to dilution.

Chemist/Date: *[Signature]* 2-22-10
 Quality Assurance Officer/Date: *[Signature]* 2/23/10

Comments:
 **Surrogates (S) are added to all samples at 100 ug/L, and are presented as a percent recovery in the reagent blank.

Telephone: (517) 699-0345 Facsimile: (517) 699-0388
 Telephone: (810) 220-3300 Facsimile: (810) 220-3311

Quality Control Report
Volatile Organic Compounds by GC/MS
Method Blank (MB) - Aqueous
Sequence: V910B16A
Analysis Date/Time: 02/16/10 11:26

Parameter	Result (µg/L)	PQL (µg/L)
1. Acetone	U	5.0
2. Acrylonitrile	U	1.0
3. Benzene	U	0.50
4. Bromobenzene	U	0.50
5. Bromochloromethane	U	1.0
6. Bromodichloromethane	U	1.0
7. Bromoform	U	1.0
8. Bromomethane	U	5.0
9. 2-Butanone	U	1.0
10. n-Butylbenzene	U	1.0
11. sec-Butylbenzene	U	0.50
12. tert-Butylbenzene	U	0.50
13. Carbon Disulfide	2.0 *	0.50
14. Carbon Tetrachloride	U	1.0
15. Chlorobenzene	U	0.50
16. Chloroethane	U	5.0
17. Chloroform	U	0.50
18. Chloromethane	U	5.0
19. 2-Chlorotoluene	U	0.50
20. Dibromochloromethane	U	2.0
21. 1,2-Dibromo-3-chloropropane	U	0.20
22. Dibromomethane	U	0.50
23. 1,2-Dichlorobenzene	U	0.50
24. 1,3-Dichlorobenzene	U	0.50
25. 1,4-Dichlorobenzene	U	0.50
26. Dichlorodifluoromethane	U	0.50
27. 1,1-Dichloroethane	U	0.50
28. 1,2-Dichloroethane	U	1.0
29. 1,1-Dichloroethene	U	0.50
30. cis-1,2-Dichloroethene	U	1.0
31. trans-1,2-Dichloroethene	U	0.50
32. 1,2-Dichloropropane	U	0.50
33. cis-1,3-Dichloropropene	U	0.50
34. trans-1,3-Dichloropropene	U	1.0
35. Ethylbenzene	U	0.50
36. Ethylene Dibromide	0.31 *	0.050
37. 2-Hexanone	U	2.0
38. Isopropylbenzene	U	0.50
39. Methyl Iodide	1.7 *	1.0
40. Methylene Chloride	U	0.50
41. 2-Methylnaphthalene	U	5.0
42. 4-Methyl-2-pentanone	U	2.0
43. MTBE	U	1.0
44. Naphthalene	U	5.0
45. n-Propylbenzene	U	0.50
46. Styrene	U	1.0
47. 1,1,1,2-Tetrachloroethane	U	1.0
48. 1,1,2,2-Tetrachloroethane	U	0.50
49. Tetrachloroethene	U	1.0
50. Toluene	U	0.50
51. 1,2,4-Trichlorobenzene	U	2.0
52. 1,1,1-Trichloroethane	U	0.50
53. 1,1,2-Trichloroethane	U	0.50
54. Trichloroethene	U	1.0
55. Trichlorofluoromethane	U	0.50
56. 1,2,3-Trichloropropane	U	1.0

Parameter	Result (µg/L)	PQL (µg/L)
57. 1,2,3-Trimethylbenzene	U	0.50
58. 1,2,4-Trimethylbenzene	U	0.50
59. 1,3,5-Trimethylbenzene	U	0.50
60. Vinyl Chloride	U	0.50
61. m&p-Xylene	U	1.0
62. o-Xylene	U	0.50

System Monitoring Compounds (Surrogates):	Result (µg/L)	Spike (µg/L)	Rec. (%)	LCL - UCL (%)	Q
1. 4-Bromofluorobenzene(S)	74.7	71.0	105	73 - 125	
2. Dibromofluoromethane(S)	72.6	71.0	102	49 - 155	
3. Toluene-d8(S)	77.3	71.0	109	64 - 139	

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

PQL = Practical Quantitation Limit.

* = Project Parameter U = Result below PQL

* = Parameter detected in blank

MB Evaluation: **Exceptions Noted**

Number of project parameters:

62

Number of project parameters detected:

3

[Signature]
Laboratory Approval/Date

2/17/10
[Signature]
Quality Assurance Review/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
LCS/LCD Precision Summary - Aqueous
Sequence: V910B16A

Parameter	Spike µg/L	LCS	LCD	Rec.	RPD	Q	Parameter	Spike µg/L	LCS	LCD	Rec.	RPD	UCL	Q
		Rec.	Rec.	%	%				%	%	%	%		
1. Acetone	100	91	91	0	20		57. 1,2,3-Trimethylbenzene	100	112	112	0	20		
2. Acrylonitrile	100	114	119	4	20		58. 1,2,4-Trimethylbenzene	100	123	123	0	20		
3. Benzene	100	112	114	2	20		59. 1,3,5-Trimethylbenzene	100	123	124	1	20		
4. Bromobenzene	100	108	109	1	20		60. Vinyl Chloride	100	140	141	1	20		
5. Bromochloromethane	100	102	108	5	20		61. m&p-Xylene	200	120	120	0	20		
6. Bromodichloromethane	100	121	123	2	20		62. o-Xylene	100	116	117	0	20		
7. Bromoform	100	100	99	1	20									
8. Bromomethane	100	124	109	13	20									
9. 2-Butanone	100	116	115	1	20									
10. n-Butylbenzene	100	113	113	0	20									
11. sec-Butylbenzene	100	110	110	0	20									
12. tert-Butylbenzene	100	107	108	0	20									
13. Carbon Disulfide	100	102	102	0	20									
14. Carbon Tetrachloride	100	106	106	0	20									
15. Chlorobenzene	100	112	112	0	20									
16. Chloroethane	100	108	106	2	20									
17. Chloroform	100	108	109	1	20									
18. Chloromethane	100	133	134	1	20									
19. 2-Chlorotoluene	100	114	115	1	20									
20. Dibromochloromethane	100	104	105	1	20									
21. 1,2-Dibromo-3-chloropropane	100	104	103	1	20									
22. Dibromomethane	100	109	110	0	20									
23. 1,2-Dichlorobenzene	100	113	113	0	20									
24. 1,3-Dichlorobenzene	100	118	105	11	20									
25. 1,4-Dichlorobenzene	100	112	111	1	20									
26. Dichlorodifluoromethane	100	155	156	1	20									
27. 1,1-Dichloroethane	100	110	110	1	20									
28. 1,2-Dichloroethane	200	104	104	0	20									
29. 1,1-Dichloroethene	100	125	125	0	20									
30. cis-1,2-Dichloroethene	100	121	123	1	20									
31. trans-1,2-Dichloroethene	100	111	111	0	20									
32. 1,2-Dichloropropane	100	111	112	2	20									
33. cis-1,3-Dichloropropene	100	126	128	1	20									
34. trans-1,3-Dichloropropene	100	108	109	1	20									
35. Ethylbenzene	100	121	120	0	20									
36. Ethylene Dibromide	200	112	111	1	20									
37. 2-Hexanone	100	117	109	7	20									
38. Isopropylbenzene	100	143	143	0	20									
39. Methyl Iodide	100	113	116	2	20									
40. Methylene Chloride	100	98	99	1	20									
41. 2-Methylnaphthalene	100	99	95	4	20									
42. 4-Methyl-2-pentanone	100	116	116	0	20									
43. MTBE	200	104	105	0	20									
44. Naphthalene	100	120	118	2	20									
45. n-Propylbenzene	100	111	112	1	20									
46. Styrene	100	108	108	0	20									
47. 1,1,1,2-Tetrachloroethane	100	105	104	1	20									
48. 1,1,2,2-Tetrachloroethane	100	109	109	0	20									
49. Tetrachloroethene	100	121	120	1	20									
50. Toluene	100	115	117	1	20									
51. 1,2,4-Trichlorobenzene	100	125	122	2	20									
52. 1,1,1-Trichloroethane	100	105	105	1	20									
53. 1,1,2-Trichloroethane	100	108	109	1	20									
54. Trichloroethene	100	117	117	0	20									
55. Trichlorofluoromethane	100	117	121	3	20									
56. 1,2,3-Trichloropropane	100	106	105	1	20									

**System Monitoring Compounds
(Surrogates):**

Parameter	Spike µg/L	LCS Rec.	LCD Rec.	Rec. RPD	RPD UCL	Q
1. 4-Bromofluorobenzene(S)	71.0	101	105	3	20	
2. Dibromofluoromethane(S)	71.0	98	102	4	20	
3. Toluene-d8(S)	71.0	103	108	5	20	

RPD = Relative Percent Difference * = RPD exceeds control limits

Sample Information:

Instrument ID: **V9**
LCS Analysis Date/Time: **02/16/10 10:07**
LCD Analysis Date/Time: **02/16/10 10:33**

Laboratory Approval/Date

Quality Assurance Review/Date

Jenna Smith 2-17-10
2/23/10

Quality Control Report
Volatile Organic Compounds by GC/MS
Laboratory Control Sample (LCS) - Aqueous
Sequence: V910B16A
Analysis Date/Time: 02/16/10 10:07

Parameter	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Parameter	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
* 1. Acetone	91.5	100	91	42 - 166		* 57. 1,2,3-Trimethylbenzene	112	100	112	82 - 127	
* 2. Acrylonitrile	114	100	114	41 - 172		* 58. 1,2,4-Trimethylbenzene	123	100	123	79 - 122	*
* 3. Benzene	112	100	112	37 - 151		* 59. 1,3,5-Trimethylbenzene	123	100	123	80 - 125	
* 4. Bromobenzene	108	100	108	78 - 115		* 60. Vinyl Chloride	140	100	140	10 - 251	
* 5. Bromochloromethane	102	100	102	63 - 121		* 61. m&p-Xylene	240	200	120	83 - 133	
* 6. Bromodichloromethane	121	100	121	35 - 155		* 62. o-Xylene	116	100	116	83 - 132	
* 7. Bromoform	100	100	100	45 - 169							
* 8. Bromomethane	124	100	124	10 - 242							
* 9. 2-Butanone	116	100	116	64 - 167							
* 10. n-Butylbenzene	113	100	113	72 - 138							
* 11. sec-Butylbenzene	110	100	110	79 - 132							
* 12. tert-Butylbenzene	107	100	107	78 - 137							
* 13. Carbon Disulfide	102	100	102	28 - 174							
* 14. Carbon Tetrachloride	106	100	106	70 - 140							
* 15. Chlorobenzene	112	100	112	37 - 160							
* 16. Chloroethane	108	100	108	14 - 230							
* 17. Chloroform	108	100	108	51 - 138							
* 18. Chloromethane	133	100	133	10 - 273							
* 19. 2-Chlorotoluene	114	100	114	79 - 122							
* 20. Dibromochloromethane	104	100	104	53 - 149							
* 21. 1,2-Dibromo-3-chloropropane	104	100	104	60 - 135							
* 22. Dibromomethane	109	100	109	80 - 126							
* 23. 1,2-Dichlorobenzene	113	100	113	18 - 190							
* 24. 1,3-Dichlorobenzene	118	100	118	59 - 156							
* 25. 1,4-Dichlorobenzene	112	100	112	18 - 190							
* 26. Dichlorodifluoromethane	155	100	155	62 - 181							
* 27. 1,1-Dichloroethane	110	100	110	59 - 155							
* 28. 1,2-Dichloroethane	207	200	104	49 - 155							
* 29. 1,1-Dichloroethene	125	100	125	10 - 234							
* 30. cis-1,2-Dichloroethene	121	100	121	70 - 124							
* 31. trans-1,2-Dichloroethene	111	100	111	54 - 156							
* 32. 1,2-Dichloropropane	111	100	111	82 - 128							
* 33. cis-1,3-Dichloropropene	126	100	126	10 - 227							
* 34. trans-1,3-Dichloropropene	108	100	108	17 - 183							
* 35. Ethylbenzene	121	100	121	37 - 162							
* 36. Ethylene Dibromide	223	200	112	53 - 177							
* 37. 2-Hexanone	117	100	117	46 - 195							
* 38. Isopropylbenzene	143	100	143	86 - 141	*						
* 39. Methyl Iodide	113	100	113	50 - 202							
* 40. Methylene Chloride	98.3	100	98	10 - 221							
* 41. 2-Methylnaphthalene	98.9	100	99	55 - 166							
* 42. 4-Methyl-2-pentanone	116	100	116	52 - 173							
* 43. MTBE	209	200	104	43 - 179							
* 44. Naphthalene	120	100	120	69 - 134							
* 45. n-Propylbenzene	111	100	111	83 - 133							
* 46. Styrene	108	100	108	69 - 132							
* 47. 1,1,1,2-Tetrachloroethane	105	100	105	46 - 157							
* 48. 1,1,2,2-Tetrachloroethane	109	100	109	67 - 137							
* 49. Tetrachloroethene	121	100	121	64 - 148							
* 50. Toluene	115	100	115	47 - 150							
* 51. 1,2,4-Trichlorobenzene	125	100	125	71 - 133							
* 52. 1,1,1-Trichloroethane	105	100	105	52 - 162							
* 53. 1,1,2-Trichloroethane	108	100	108	52 - 150							
* 54. Trichloroethene	117	100	117	71 - 157							
* 55. Trichlorofluoromethane	117	100	117	17 - 181							
* 56. 1,2,3-Trichloropropane	106	100	106	69 - 116							

System Monitoring Compounds (Surrogates):				Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1.	4-Bromofluorobenzene(S)	72.0	71.0	101	73 - 125			
2.	Dibromofluoromethane(S)	69.9	71.0	98	49 - 155			
3.	Toluene-d8(S)	73.2	71.0	103	64 - 139			

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

* = Project Parameter * = Recovery exceeds control limits

LCS Evaluation: **Exceptions Noted**

Number of project parameters: 62

Number of project parameters exceeding CL: 2

Juanita Smith 2-17-10
Laboratory Approval/Date

TM 2/23/10
Quality Assurance Review/Date



Quality Control Report
Laboratory Control Sample (LCS)
Trace Elements by ICP/MS
Soil/Solid

Preparation Batch: PT10B15C
Preparation Date: 02/15/10

Analysis Sequence: T210B16A
Analysis Date/Time: 02/16/10 11:02

Parameter	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
1. Aluminum	53800	50000	108	85 - 115	
2. Antimony	9540	10000	95	85 - 115	
3. Arsenic	10000	10000	100	85 - 115	
4. Arsenic	10000	10000	100	85 - 115	
5. Barium	51900	50000	104	85 - 115	
6. Barium	51700	50000	103	85 - 115	
7. Beryllium	13000	10000	130	85 - 115	*
8. Boron	14700	10000	147	85 - 115	*
9. Cadmium	10300	10000	103	85 - 115	
10. Cadmium	10300	10000	103	85 - 115	
11. Chromium	18500	20000	93	85 - 115	
12. Cobalt	9990	10000	100	85 - 115	
13. Copper	21500	20000	107	85 - 115	
14. Copper	21200	20000	106	85 - 115	
15. Lead	19900	20000	99	85 - 115	
16. Lithium	14100	10000	141	85 - 115	*
17. Manganese	51000	50000	102	85 - 115	
18. Molybdenum	20900	20000	104	85 - 115	
19. Molybdenum	20700	20000	103	85 - 115	
20. Nickel	20900	20000	105	85 - 115	
21. Nickel	21500	20000	107	85 - 115	
22. Selenium	9500	10000	95	85 - 115	
23. Selenium	9500	10000	95	85 - 115	
24. Silver	10400	10000	104	85 - 115	
25. Silver	10300	10000	103	85 - 115	
26. Strontium	9700	10000	97	85 - 115	
27. Thallium	9420	10000	94	85 - 115	
28. Tin	10200	10000	102	85 - 115	
29. Titanium	9640	10000	96	85 - 115	
30. Vanadium	9130	10000	91	85 - 115	
31. Zinc	52600	50000	105	85 - 115	
32. Zinc	51500	50000	103	85 - 115	

Parameter	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
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NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
 * = Recovery exceeds control limits

J. Haney 2-16-10
 Laboratory Approval/Date
Michael P. Forester
 Quality Assurance Review/Date
 2-16-10



Quality Control Report
Method Blank (MB)
Trace Elements by ICP/MS
Soil/Solid

Preparation Batch: PT10B15C
Preparation Date: 02/15/10

Analysis Sequence: T210B16A
Analysis Date/Time: 02/16/10 10:59

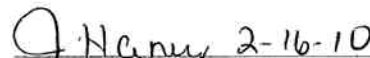
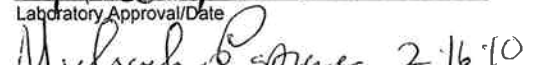
Parameter	Result µg/kg	PQL µg/kg
1. Aluminum	1270 *	1000
2. Antimony	127 *	20.0
3. Arsenic	U	20.0
4. Arsenic	U	20.0
5. Barium	U	1000
6. Barium	U	1000
7. Beryllium	U	43.5
8. Boron	U	1000
9. Cadmium	U	20.0
10. Cadmium	U	20.0
11. Chromium	U	54.7
12. Cobalt	U	20.0
13. Copper	47.7 *	40.0
14. Copper	48.3 *	40.0
15. Lead	U	40.0
16. Lithium	U	200
17. Manganese	U	1000
18. Molybdenum	U	40.0
19. Molybdenum	U	40.0
20. Nickel	U	400
21. Nickel	U	400
22. Selenium	U	200
23. Selenium	U	200
24. Silver	U	20.0
25. Silver	U	20.0
26. Strontium	U	34.1
27. Thallium	U	20.0
28. Tin	67.9 *	23.4
29. Titanium	U	400
30. Vanadium	U	400
31. Zinc	U	1000
32. Zinc	U	1000

Parameter	Result µg/kg	PQL µg/kg
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NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.

* = Recovery exceeds control limits


 Laboratory Approval/Date

 Quality Assurance Review/Date



Quality Control Report
Method Blank (MB)
Unknown
Aqueous

Preparation Batch: PT10B15A
Preparation Date: 02/15/10

Analysis Sequence: T310B15A
Analysis Date/Time: 02/15/10 10:38

Parameter	Result µg/L	PQL µg/L
1. Calcium	U	600
2. Iron	U	100
3. Magnesium	U	200
4. Potassium	U	200
5. Sodium	U	600

Parameter	Result µg/L	PQL µg/L
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NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
* = Recovery exceeds control limits

Mulachan *2-15-10*
Laboratory Approval/Date
J. Henry *2-15-10*
Quality Assurance Review/Date



Quality Control Report
Laboratory Control Sample (LCS)
Unknown
Aqueous

Preparation Batch: PT10B15A
Preparation Date: 02/15/10

Analysis Sequence: T310B15A
Analysis Date/Time: 02/15/10 10:41

Parameter	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
1. Calcium	29800	30000	99	-	
2. Iron	5000	5000	100	-	
3. Magnesium	9950	10000	100	-	
4. Potassium	10100	10000	101	-	
5. Sodium	31000	30000	103	-	

Parameter	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q
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NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

U = Result below PQL NA = Not applicable. Recovery unable to be evaluated.
* = Recovery exceeds control limits

Michael Repara 2-15-10
Laboratory Approval/Date
J. Harry 2-15-10
Quality Assurance Review/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
LCS/LCD Precision Summary - Solid (Methanol)
Sequence: V310B12A

Parameter	Spike µg/kg	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q
1. Acetone	2,000	290	256	12	20	
2. Acrylonitrile	2,000	112	97	14	20	
3. Benzene	2,000	117	119	2	20	
4. Bromobenzene	2,000	127	136	7	20	
5. Bromochloromethane	2,000	136	132	3	20	
6. Bromodichloromethane	2,000	128	126	2	20	
7. Bromoform	2,000	89	88	1	20	
8. Bromomethane	2,000	163	173	6	20	
9. 2-Butanone	2,000	310	281	9	20	
10. n-Butylbenzene	2,000	125	137	9	20	
11. sec-Butylbenzene	2,000	122	135	10	20	
12. tert-Butylbenzene	2,000	107	117	9	20	
13. Carbon Disulfide	2,000	123	132	7	20	
14. Carbon Tetrachloride	2,000	120	120	0	20	
15. Chlorobenzene	2,000	114	120	5	20	
16. Chloroethane	2,000	169	170	0	20	
17. Chloroform	2,000	130	131	1	20	
18. Chloromethane	2,000	135	132	2	20	
19. 2-Chlorotoluene	2,000	122	135	10	20	
20. Dibromochloromethane	2,000	109	113	4	20	
21. 1,2-Dibromo-3-chloropropane	2,000	125	128	3	20	
22. Dibromomethane	2,000	103	99	4	20	
23. 1,2-Dichlorobenzene	2,000	106	114	8	20	
24. 1,3-Dichlorobenzene	2,000	109	119	8	20	
25. 1,4-Dichlorobenzene	2,000	105	115	8	20	
26. Dichlorodifluoromethane	2,000	134	142	6	20	
27. 1,1-Dichloroethane	2,000	135	135	0	20	
28. 1,2-Dichloroethane	4,000	117	115	2	20	
29. 1,1-Dichloroethene	2,000	122	133	9	20	
30. cis-1,2-Dichloroethene	2,000	147	149	1	20	
31. trans-1,2-Dichloroethene	2,000	131	129	1	20	
32. 1,2-Dichloropropane	2,000	134	132	2	20	
33. cis-1,3-Dichloropropene	2,000	137	134	2	20	
34. trans-1,3-Dichloropropene	2,000	137	137	0	20	
35. Ethylbenzene	2,000	116	123	6	20	
36. Ethylene Dibromide	4,000	113	113	0	20	
37. 2-Hexanone	2,000	285	279	2	20	
38. Isopropylbenzene	2,000	133	142	6	20	
39. Methyl Iodide	2,000	113	121	7	20	
40. Methylene Chloride	2,000	132	133	1	20	
41. 2-Methylnaphthalene	2,000	153	166	8	20	
42. 4-Methyl-2-pentanone	2,000	190	175	8	20	
43. MTBE	4,000	126	118	7	20	
44. Naphthalene	2,000	133	140	5	20	
45. n-Propylbenzene	2,000	123	136	10	20	
46. Styrene	2,000	113	117	4	20	
47. 1,1,1,2-Tetrachloroethane	2,000	107	111	4	20	
48. 1,1,2,2-Tetrachloroethane	2,000	120	123	2	20	
49. Tetrachloroethene	2,000	119	142	17	20	
50. Toluene	2,000	126	126	0	20	
51. 1,2,4-Trichlorobenzene	2,000	109	117	7	20	
52. 1,1,1-Trichloroethane	2,000	130	132	1	20	
53. 1,1,2-Trichloroethane	2,000	110	112	2	20	
54. Trichloroethene	2,000	126	126	0	20	
55. Trichlorofluoromethane	2,000	212	223	5	20	
56. 1,2,3-Trichloropropane	2,000	118	122	4	20	

Parameter	Spike µg/L	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q
57. 1,2,3-Trimethylbenzene	2,000	110	120	8	20	
58. 1,2,4-Trimethylbenzene	2,000	114	126	10	20	
59. 1,3,5-Trimethylbenzene	2,000	111	124	11	20	
60. Vinyl Chloride	2,000	141	139	1	20	
61. m&p-Xylene	4,000	110	115	5	20	
62. o-Xylene	2,000	112	117	4	20	

**System Monitoring Compounds
(Surrogates):**

1. 4-Bromofluorobenzene(S)	125	109	120	10	20	
2. Dibromofluoromethane(S)	125	110	118	7	20	
3. Toluene-d8(S)	125	118	124	5	20	

RPD = Relative Percent Difference * = RPD exceeds control limits

Sample Information:

Instrument ID: V3
LCS Analysis Date/Time: 02/12/10 09:03
LCD Analysis Date/Time: 02/12/10 09:32

Joanna Wieland 2-15-10
Laboratory Approval/Date
ZM 2/16/10
Quality Assurance Review/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
Laboratory Control Sample (LCS) - Solid (Methanol)
Sequence: V310B12A
Analysis Date/Time: 02/12/10 09:03

Parameter	Result ug/kg	Spike ug/kg	Rec. %	LCL - UCL %	Q	Parameter	Result ug/kg	Spike ug/kg	Rec. %	LCL - UCL %	Q
* 1. Acetone	5,810	2,000	290	41 - 145	*	* 57. 1,2,3-Trimethylbenzene	2,200	2,000	110	75 - 136	
* 2. Acrylonitrile	2,250	2,000	112	71 - 144		* 58. 1,2,4-Trimethylbenzene	2,280	2,000	114	71 - 129	
* 3. Benzene	2,330	2,000	117	58 - 140		* 59. 1,3,5-Trimethylbenzene	2,230	2,000	111	71 - 133	
* 4. Bromobenzene	2,540	2,000	127	73 - 129		* 60. Vinyl Chloride	2,820	2,000	141	40 - 182	
* 5. Bromochloromethane	2,730	2,000	136	38 - 172		* 61. m&p-Xylene	4,400	4,000	110	67 - 134	
* 6. Bromodichloromethane	2,560	2,000	128	61 - 128		* 62. o-Xylene	2,240	2,000	112	65 - 134	
* 7. Bromoform	1,780	2,000	89	49 - 125							
* 8. Bromomethane	3,250	2,000	163	20 - 214							
* 9. 2-Butanone	6,190	2,000	310	13 - 180	*						
* 10. n-Butylbenzene	2,490	2,000	125	69 - 141							
* 11. sec-Butylbenzene	2,440	2,000	122	73 - 141							
* 12. tert-Butylbenzene	2,130	2,000	107	62 - 150							
* 13. Carbon Disulfide	2,450	2,000	123	58 - 173							
* 14. Carbon Tetrachloride	2,410	2,000	120	57 - 158							
* 15. Chlorobenzene	2,280	2,000	114	62 - 141							
* 16. Chloroethane	3,380	2,000	169	38 - 194							
* 17. Chloroform	2,600	2,000	130	60 - 139							
* 18. Chloromethane	2,710	2,000	135	40 - 184							
* 19. 2-Chlorotoluene	2,430	2,000	122	74 - 137							
* 20. Dibromochloromethane	2,190	2,000	109	66 - 121							
* 21. 1,2-Dibromo-3-chloropropane	2,500	2,000	125	44 - 138							
* 22. Dibromomethane	2,070	2,000	103	44 - 145							
* 23. 1,2-Dichlorobenzene	2,110	2,000	106	62 - 145							
* 24. 1,3-Dichlorobenzene	2,190	2,000	109	61 - 145							
* 25. 1,4-Dichlorobenzene	2,110	2,000	105	65 - 135							
* 26. Dichlorodifluoromethane	2,680	2,000	134	53 - 186							
* 27. 1,1-Dichloroethane	2,700	2,000	135	64 - 138							
* 28. 1,2-Dichloroethane	4,680	4,000	117	61 - 139							
* 29. 1,1-Dichloroethene	2,440	2,000	122	49 - 160							
* 30. cis-1,2-Dichloroethene	2,930	2,000	147	63 - 132	*						
* 31. trans-1,2-Dichloroethene	2,610	2,000	131	64 - 143							
* 32. 1,2-Dichloropropane	2,680	2,000	134	62 - 142							
* 33. cis-1,3-Dichloropropene	2,750	2,000	137	61 - 139							
* 34. trans-1,3-Dichloropropene	2,740	2,000	137	61 - 133	*						
* 35. Ethylbenzene	2,330	2,000	116	66 - 134							
* 36. Ethylene Dibromide	4,520	4,000	113	66 - 135							
* 37. 2-Hexanone	5,690	2,000	285	45 - 155	*						
* 38. Isopropylbenzene	2,670	2,000	133	66 - 145							
* 39. Methyl Iodide	2,250	2,000	113	41 - 177							
* 40. Methylene Chloride	2,630	2,000	132	31 - 171							
* 41. 2-Methylnaphthalene	3,060	2,000	153	50 - 152	*						
* 42. 4-Methyl-2-pentanone	3,810	2,000	190	30 - 166	*						
* 43. MTBE	5,060	4,000	126	58 - 143							
* 44. Naphthalene	2,660	2,000	133	39 - 154							
* 45. n-Propylbenzene	2,460	2,000	123	78 - 145							
* 46. Styrene	2,250	2,000	113	61 - 129							
* 47. 1,1,1,2-Tetrachloroethane	2,140	2,000	107	65 - 127							
* 48. 1,1,2,2-Tetrachloroethane	2,410	2,000	120	42 - 165							
* 49. Tetrachloroethene	2,390	2,000	119	23 - 171							
* 50. Toluene	2,520	2,000	126	52 - 152							
* 51. 1,2,4-Trichlorobenzene	2,180	2,000	109	57 - 139							
* 52. 1,1,1-Trichloroethane	2,600	2,000	130	60 - 149							
* 53. 1,1,2-Trichloroethane	2,190	2,000	110	63 - 139							
* 54. Trichloroethene	2,510	2,000	126	49 - 162							
* 55. Trichlorofluoromethane	4,250	2,000	212	58 - 175	*						
* 56. 1,2,3-Trichloropropane	2,350	2,000	118	65 - 126							

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

* = Project Parameter * = Recovery exceeds control limits

LCS Evaluation: **Exceptions Noted**

Number of project parameters: 62

Number of project parameters exceeding CL: 8

Joanna Wieland 2-15-10
Laboratory Approval/Date

24 2/16/10
Quality Assurance Review/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
Method Blank (MB) - Solid (Methanol)
Sequence: V310B12A
Analysis Date/Time: 02/12/10 10:30

Parameter	Result (µg/kg)	PQL (µg/kg)
* 1. Acetone	U	200
* 2. Acrylonitrile	U	100
* 3. Benzene	U	40
* 4. Bromobenzene	U	40
* 5. Bromochloromethane	U	40
* 6. Bromodichloromethane	U	40
* 7. Bromoform	U	40
* 8. Bromomethane	U	100
* 9. 2-Butanone	U	200
* 10. n-Butylbenzene	U	40
* 11. sec-Butylbenzene	U	40
* 12. tert-Butylbenzene	U	40
* 13. Carbon Disulfide	U	100
* 14. Carbon Tetrachloride	U	40
* 15. Chlorobenzene	U	40
* 16. Chloroethane	U	100
* 17. Chloroform	U	40
* 18. Chloromethane	U	100
* 19. 2-Chlorotoluene	U	40
* 20. Dibromochloromethane	U	40
* 21. 1,2-Dibromo-3-chloropropane	U	10
* 22. Dibromomethane	U	100
* 23. 1,2-Dichlorobenzene	U	40
* 24. 1,3-Dichlorobenzene	U	40
* 25. 1,4-Dichlorobenzene	U	40
* 26. Dichlorodifluoromethane	U	100
* 27. 1,1-Dichloroethane	U	40
* 28. 1,2-Dichloroethane	U	40
* 29. 1,1-Dichloroethene	U	40
* 30. cis-1,2-Dichloroethene	U	40
* 31. trans-1,2-Dichloroethene	U	40
* 32. 1,2-Dichloropropane	U	40
* 33. cis-1,3-Dichloropropene	U	40
* 34. trans-1,3-Dichloropropene	U	40
* 35. Ethylbenzene	U	40
* 36. Ethylene Dibromide	U	20
* 37. 2-Hexanone	U	400
* 38. Isopropylbenzene	U	100
* 39. Methyl Iodide	U	40
* 40. Methylene Chloride	U	40
* 41. 2-Methylnaphthalene	U	100
* 42. 4-Methyl-2-pentanone	U	400
* 43. MTBE	U	40
* 44. Naphthalene	U	100
* 45. n-Propylbenzene	U	40
* 46. Styrene	U	40
* 47. 1,1,1,2-Tetrachloroethane	U	100
* 48. 1,1,2,2-Tetrachloroethane	U	40
* 49. Tetrachloroethene	U	40
* 50. Toluene	U	40
* 51. 1,2,4-Trichlorobenzene	U	100
* 52. 1,1,1-Trichloroethane	U	40
* 53. 1,1,2-Trichloroethane	U	40
* 54. Trichloroethene	U	40
* 55. Trichlorofluoromethane	U	40
* 56. 1,2,3-Trichloropropane	U	100

Parameter	Result (µg/kg)	PQL (µg/kg)
* 57. 1,2,3-Trimethylbenzene	U	40
* 58. 1,2,4-Trimethylbenzene	U	40
* 59. 1,3,5-Trimethylbenzene	U	40
* 60. Vinyl Chloride	U	40
* 61. m&p-Xylene	U	40
* 62. o-Xylene	U	40

System Monitoring Compounds (Surrogates):					
	Result (µg/kg)	Spike (µg/kg)	Rec. %	LCL - UCL %	Q
1. 4-Bromofluorobenzene(S)	3,040	2,500	122	50 - 163	
2. Dibromofluoromethane(S)	3,010	2,500	120	50 - 173	
3. Toluene-d8(S)	3,160	2,500	126	61 - 164	

PQL = Practical Quantitation Limit. This represents the higher value of either the method detection limit or the lowest calibration point for the analysis.

* = Project Parameter U = Result below PQL * = Parameter detected in blank

MB Evaluation: **Pass**

Number of project parameters: 62

Number of project parameters detected: 0

Joanna Wieland 2-15-10
Laboratory Approval/Date

ZM 2/16/10
Quality Assurance Review/Date

QUALITY ASSURANCE REPORT
for
LABORATORY BATCH NUMBER
VA10B12A
VOLATILES

Sample Matrix: **SOIL/SOLID (503)** Preparation Method: **SW-846 5035** Analytical Method: **SW-846 8260 FULL**
 Inclusive Projects: **VARIOUS** Preparation Date: **2/12/2010** Analysis Date: **2/12/2010**
 Preparer(s) Initials: **JEW** Analyst(s) Initials: **JEW**

Analyte	RI	Units	Matrix		Laboratory Control Sample (LCS)						MATRIX SPIKE / MATRIX SPIKE DUPLICATE (MS/MSD)						RTD MSAD (%)	DCL (%)	Flag					
			Conc. (mg/Kg)	Flag	Conc. (mg/Kg)	Spiked (mg/Kg)	ICS Conc. (mg/Kg)	ICS Percent Recovery	LCL (%)	HCL (%)	Flag	Laboratory Sample ID	Sample Conc.W (mg/Kg)	Conc.W Spiked (mg/Kg)	MS Conc.W (mg/Kg)	MSD Conc.W (mg/Kg)				MS Percent Recovery	MSD Percent Recovery	LCL (%)	HCL (%)	Flag
Vinyl chloride	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	2.4	141		37910-007	U	2.00	3.18	3.03	159	151	40	182		5	20	
1,1-Dichloroethene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	5.4	141		37910-007	U	2.00	1.92	1.84	96	92	49	160		4	20	
Methylene chloride	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	5.6	133		37910-007	U	2.00	1.86	1.77	93	88	31	171		5	20	
trans-1,2-Dichloroethene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	7.1	143		37910-007	U	2.00	1.90	1.78	95	89	64	143		7	20	
1,1-Dichloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	7.1	136		37910-007	U	2.00	1.81	1.76	91	88	64	138		3	20	
cis-1,2-Dichloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	6.6	134		37910-007	U	2.00	2.04	1.93	102	97	63	132		5	20	
1,1,1-Trichloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	7.2	137		37910-007	U	2.00	1.56	1.44	78	72	60	149		8	20	
Carbon tetrachloride	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	6.9	141		37910-007	U	2.00	1.40	1.38	70	64	57	158		9	20	
Benzene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	8.1	144		37910-007	U	2.00	1.99	1.81	95	90	58	140		4	20	
1,2-Dichloropropane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	7.6	136		37910-007	U	2.00	1.83	1.77	89	88	62	142		8	20	
Trichloroethene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	6.9	157		37910-007	U	2.00	1.56	1.49	78	75	61	128		5	20	
Bromodichloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	6.5	139		37910-007	U	2.00	1.98	1.87	99	94	63	139		5	20	
1,1,2-Trichloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	7.1	130		37910-007	U	2.00	1.71	1.59	86	79	52	152		8	20	
Toluene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	8.2	152		37910-007	U	2.00	1.71	1.59	86	79	52	152		8	20	
Dibromochloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	5.9	133		37910-007	U	2.00	1.50	1.47	75	74	66	121		2	20	
Tetrachloroethane	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	4.0	188		37910-007	U	2.00	1.55	1.46	77	73	23	171		6	20	
2-Hexanone	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	5.3	163		37910-007	U	2.00	1.80	1.93	90	96	45	155		7	20	
Ethylbenzene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	8.2	146		37910-007	U	2.00	1.87	1.78	93	89	66	134		5	20	
total-Xylene	0.15	mg/Kg	U		6.00	6.00	0.00	0.0	8.1	143		37910-007	U	6.00	4.85	4.51	81	77	65	134		5	20	
Styrene	0.05	mg/Kg	U		2.00	2.00	0.00	0.0	8.4	146		37910-007	U	2.00	1.69	1.57	84	79	61	129		7	20	
Dibromofluoromethane (S)**					100	100	0.0	0	50	173			U	100	116.4	114.7	116	115	50	173				
Toluene-d8 (S)**					100	100	0.0	0	61	164			U	100	127.8	128.0	128	128	61	164				
4-Bromofluorobenzene (S)**					100	100	0.0	0	50	163			U	100	108.9	110.2	109	110	50	163				

Codes/Flags:
 U The analyte was not detected at or above the quantitation limit.
 E The analyte was detected at a concentration greater than the calibration range; therefore the result is estimated.
 * The value is outside quality control limits
 W Result is always reported as "wet weight".

J The analyte was detected at a conc. below the quant. limit but above the method detection limit.
B The analyte was detected in the associated method blank.
X Matrix interference has resulted in an elevated reporting limit or distorted QC result.
A Spike recovery or precision unusable due to dilution.

Comments: **Surrogates (S) are added to all samples at 2.00 mg/Kg. and are presented as a percent recovery in the reagent blank.

Joanna M. Libera
 Permit/Date
 2/16/10
 Quality Assurance Officer/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
Laboratory Control Sample (LCS) - Solid (Methanol)
Sequence: VA10B12A
Analysis Date/Time: 02/12/10 09:10

Parameter	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Parameter	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
* 1. Acetone	1,680	2,000	84	41 - 145		* 57. 1,2,3-Trimethylbenzene	1,780	2,000	89	75 - 136	
* 2. Acrylonitrile	1,920	2,000	96	71 - 144		* 58. 1,2,4-Trimethylbenzene	1,640	2,000	82	71 - 129	
* 3. Benzene	1,750	2,000	87	58 - 140		* 59. 1,3,5-Trimethylbenzene	1,650	2,000	82	71 - 133	
* 4. Bromobenzene	1,810	2,000	91	73 - 129		* 60. Vinyl Chloride	2,990	2,000	149	40 - 182	
* 5. Bromochloromethane	1,820	2,000	91	38 - 172		* 61. m&p-Xylene	3,080	4,000	77	67 - 134	
* 6. Bromodichloromethane	1,490	2,000	75	61 - 128		* 62. o-Xylene	1,510	2,000	76	65 - 134	
* 7. Bromoform	1,340	2,000	67	49 - 125							
* 8. Bromomethane	3,480	2,000	174	20 - 214							
* 9. 2-Butanone	1,980	2,000	99	13 - 180							
* 10. n-Butylbenzene	1,640	2,000	82	69 - 141							
* 11. sec-Butylbenzene	1,610	2,000	81	73 - 141							
* 12. tert-Butylbenzene	1,550	2,000	78	62 - 150							
* 13. Carbon Disulfide	2,020	2,000	101	58 - 173							
* 14. Carbon Tetrachloride	1,430	2,000	71	57 - 158							
* 15. Chlorobenzene	1,630	2,000	82	62 - 141							
* 16. Chloroethane	3,050	2,000	152	38 - 194							
* 17. Chloroform	1,610	2,000	81	60 - 139							
* 18. Chloromethane	3,430	2,000	172	40 - 184							
* 19. 2-Chlorotoluene	1,810	2,000	90	74 - 137							
* 20. Dibromochloromethane	1,480	2,000	74	66 - 121							
* 21. 1,2-Dibromo-3-chloropropane	1,550	2,000	77	44 - 138							
* 22. Dibromomethane	1,580	2,000	79	44 - 145							
* 23. 1,2-Dichlorobenzene	1,720	2,000	86	62 - 145							
* 24. 1,3-Dichlorobenzene	1,740	2,000	87	61 - 145							
* 25. 1,4-Dichlorobenzene	1,650	2,000	83	65 - 135							
* 26. Dichlorodifluoromethane	3,810	2,000	190	53 - 186	*						
* 27. 1,1-Dichloroethane	1,730	2,000	87	64 - 138							
* 28. 1,2-Dichloroethane	3,510	4,000	88	61 - 139							
* 29. 1,1-Dichloroethene	1,870	2,000	94	49 - 160							
* 30. cis-1,2-Dichloroethene	1,900	2,000	95	63 - 132							
* 31. trans-1,2-Dichloroethene	1,750	2,000	87	64 - 143							
* 32. 1,2-Dichloropropane	1,630	2,000	81	62 - 142							
* 33. cis-1,3-Dichloropropene	1,580	2,000	79	61 - 139							
* 34. trans-1,3-Dichloropropene	1,580	2,000	79	61 - 133							
* 35. Ethylbenzene	1,790	2,000	89	66 - 134							
* 36. Ethylene Dibromide	3,240	4,000	81	66 - 135							
* 37. 2-Hexanone	1,820	2,000	91	45 - 155							
* 38. Isopropylbenzene	1,670	2,000	83	66 - 145							
* 39. Methyl Iodide	1,420	2,000	71	41 - 177							
* 40. Methylene Chloride	1,770	2,000	89	31 - 171							
* 41. 2-Methylnaphthalene	1,310	2,000	65	50 - 152							
* 42. 4-Methyl-2-pentanone	1,790	2,000	90	30 - 166							
* 43. MTBE	3,460	4,000	86	58 - 143							
* 44. Naphthalene	1,570	2,000	79	39 - 154							
* 45. n-Propylbenzene	1,680	2,000	84	78 - 145							
* 46. Styrene	1,540	2,000	77	61 - 129							
* 47. 1,1,1,2-Tetrachloroethane	1,440	2,000	72	65 - 127							
* 48. 1,1,2,2-Tetrachloroethane	1,890	2,000	94	42 - 165							
* 49. Tetrachloroethene	1,480	2,000	74	23 - 171							
* 50. Toluene	1,530	2,000	77	52 - 152							
* 51. 1,2,4-Trichlorobenzene	1,490	2,000	75	57 - 139							
* 52. 1,1,1-Trichloroethane	1,490	2,000	74	60 - 149							
* 53. 1,1,2-Trichloroethane	1,830	2,000	91	63 - 139							
* 54. Trichloroethene	1,670	2,000	83	49 - 162							
* 55. Trichlorofluoromethane	1,920	2,000	96	58 - 175							
* 56. 1,2,3-Trichloropropane	1,960	2,000	98	65 - 126							

System Monitoring Compounds (Surrogates):					Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
1. 4-Bromofluorobenzene(S)					2,700	2,500	108	50 - 163	
2. Dibromofluoromethane(S)					2,830	2,500	113	50 - 173	
3. 1,2-Dichloroethane-d4(S)					2,740	2,500	110	-	
4. Toluene-d8(S)					3,060	2,500	122	61 - 164	

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

* = Project Parameter * = Recovery exceeds control limits

LCS Evaluation: **Exceptions Noted**

Number of project parameters: 62

Number of project parameters exceeding CL: 1

Joanna Wieland -15-10
Laboratory Approval/Date
zm 2/16/10
Quality Assurance Review/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
LCS/LCD Precision Summary - Solid (Methanol)
Sequence: VA10B12A

Parameter	Spike µg/kg	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q	Parameter	Spike µg/L	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q
1. Acetone	2,000	84	110	26	20	*	57. 1,2,3-Trimethylbenzene	2,000	89	99	11	20	
2. Acrylonitrile	2,000	96	104	8	20		58. 1,2,4-Trimethylbenzene	2,000	82	92	12	20	
3. Benzene	2,000	87	100	13	20		59. 1,3,5-Trimethylbenzene	2,000	82	91	9	20	
4. Bromobenzene	2,000	91	102	12	20		60. Vinyl Chloride	2,000	149	171	14	20	
5. Bromochloromethane	2,000	91	109	18	20		61. m&p-Xylene	4,000	77	87	12	20	
6. Bromodichloromethane	2,000	75	82	10	20		62. o-Xylene	2,000	76	85	12	20	
7. Bromoform	2,000	67	69	3	20								
8. Bromomethane	2,000	174	142	20	20	*							
9. 2-Butanone	2,000	99	93	6	20								
10. n-Butylbenzene	2,000	82	88	7	20								
11. sec-Butylbenzene	2,000	81	91	13	20								
12. tert-Butylbenzene	2,000	78	89	13	20								
13. Carbon Disulfide	2,000	101	106	5	20								
14. Carbon Tetrachloride	2,000	71	75	5	20								
15. Chlorobenzene	2,000	82	93	13	20								
16. Chloroethane	2,000	152	170	11	20								
17. Chloroform	2,000	81	92	13	20								
18. Chloromethane	2,000	172	207	19	20								
19. 2-Chlorotoluene	2,000	90	103	13	20								
20. Dibromochloromethane	2,000	74	82	10	20								
21. 1,2-Dibromo-3-chloropropane	2,000	77	86	11	20								
22. Dibromomethane	2,000	79	89	11	20								
23. 1,2-Dichlorobenzene	2,000	86	96	10	20								
24. 1,3-Dichlorobenzene	2,000	87	97	11	20								
25. 1,4-Dichlorobenzene	2,000	83	93	11	20								
26. Dichlorodifluoromethane	2,000	190	210	10	20								
27. 1,1-Dichloroethane	2,000	87	100	14	20								
28. 1,2-Dichloroethane	4,000	88	93	6	20								
29. 1,1-Dichloroethene	2,000	94	104	10	20								
30. cis-1,2-Dichloroethene	2,000	95	108	13	20								
31. trans-1,2-Dichloroethene	2,000	87	100	14	20								
32. 1,2-Dichloropropane	2,000	81	94	15	20								
33. cis-1,3-Dichloropropene	2,000	79	86	8	20								
34. trans-1,3-Dichloropropene	2,000	79	83	6	20								
35. Ethylbenzene	2,000	89	100	12	20								
36. Ethylene Dibromide	4,000	81	89	9	20								
37. 2-Hexanone	2,000	91	101	10	20								
38. Isopropylbenzene	2,000	83	93	11	20								
39. Methyl Iodide	2,000	71	87	20	20	*							
40. Methylene Chloride	2,000	89	102	14	20								
41. 2-Methylnaphthalene	2,000	65	60	8	20								
42. 4-Methyl-2-pentanone	2,000	90	102	13	20								
43. MTBE	4,000	86	97	11	20								
44. Naphthalene	2,000	79	88	11	20								
45. n-Propylbenzene	2,000	84	96	13	20								
46. Styrene	2,000	77	87	12	20								
47. 1,1,1,2-Tetrachloroethane	2,000	72	76	5	20								
48. 1,1,2,2-Tetrachloroethane	2,000	94	110	15	20								
49. Tetrachloroethene	2,000	74	82	10	20								
50. Toluene	2,000	77	90	16	20								
51. 1,2,4-Trichlorobenzene	2,000	75	83	11	20								
52. 1,1,1-Trichloroethane	2,000	74	84	12	20								
53. 1,1,2-Trichloroethane	2,000	91	102	11	20								
54. Trichloroethene	2,000	83	93	11	20								
55. Trichlorofluoromethane	2,000	96	102	6	20								
56. 1,2,3-Trichloropropane	2,000	98	104	5	20								

System Monitoring Compounds (Surrogates):													
Parameter	Spike µg/L	LCS Rec. %	LCD Rec. %	Rec. RPD %	RPD UCL %	Q							
1. 4-Bromofluorobenzene(S)	50.0	108	111	3	20								
2. Dibromofluoromethane(S)	50.0	113	118	4	20								
3. 1,2-Dichloroethane-d4(S)	50.0	110	110	0	20								
4. Toluene-d8(S)	50.0	122	130	6	20								

NOTE: Exceptions have been properly commented on reported results or affected samples have been scheduled for reanalysis.

RPD = Relative Percent Difference * = RPD exceeds control limits

Sample Information:

Instrument ID: VA
LCS Analysis Date/Time: 02/12/10 09:10
LCD Analysis Date/Time: 02/12/10 18:00

Joanna Wieland 2-15-10
Laboratory Approval/Date
im 2/16/10
Quality Assurance Review/Date

Quality Control Report
Volatile Organic Compounds by GC/MS
Method Blank (MB) - Solid (Methanol)
Sequence: VA10B12A
Analysis Date/Time: 02/12/10 10:06

Parameter	Result (µg/kg)	PQL (µg/kg)
* 1. Acetone	U	2500
* 2. Acrylonitrile	U	100
* 3. Benzene	U	50
* 4. Bromobenzene	U	50
* 5. Bromochloromethane	U	50
* 6. Bromodichloromethane	U	50
* 7. Bromoform	U	50
* 8. Bromomethane	U	250
* 9. 2-Butanone	U	1200
* 10. n-Butylbenzene	U	50
* 11. sec-Butylbenzene	U	50
* 12. tert-Butylbenzene	U	50
* 13. Carbon Disulfide	U	250
* 14. Carbon Tetrachloride	U	50
* 15. Chlorobenzene	U	50
* 16. Chloroethane	U	250
* 17. Chloroform	U	50
* 18. Chloromethane	U	250
* 19. 2-Chlorotoluene	U	50
* 20. Dibromochloromethane	U	250
* 21. 1,2-Dibromo-3-chloropropane	U	50
* 22. Dibromomethane	U	250
* 23. 1,2-Dichlorobenzene	U	50
* 24. 1,3-Dichlorobenzene	U	50
* 25. 1,4-Dichlorobenzene	U	50
* 26. Dichlorodifluoromethane	U	250
* 27. 1,1-Dichloroethane	U	50
* 28. 1,2-Dichloroethane	U	50
* 29. 1,1-Dichloroethene	U	50
* 30. cis-1,2-Dichloroethene	U	50
* 31. trans-1,2-Dichloroethene	U	50
* 32. 1,2-Dichloropropane	U	50
* 33. cis-1,3-Dichloropropene	U	50
* 34. trans-1,3-Dichloropropene	U	50
* 35. Ethylbenzene	U	50
* 36. Ethylene Dibromide	U	50
* 37. 2-Hexanone	U	2500
* 38. Isopropylbenzene	U	50
* 39. Methyl Iodide	U	50
* 40. Methylene Chloride	U	250
* 41. 2-Methylnaphthalene	U	250
* 42. 4-Methyl-2-pentanone	U	2500
* 43. MTBE	U	250
* 44. Naphthalene	U	250
* 45. n-Propylbenzene	U	50
* 46. Styrene	U	50
* 47. 1,1,1,2-Tetrachloroethane	U	50
* 48. 1,1,2,2-Tetrachloroethane	U	50
* 49. Tetrachloroethene	U	50
* 50. Toluene	U	50
* 51. 1,2,4-Trichlorobenzene	U	250
* 52. 1,1,1-Trichloroethane	U	50
* 53. 1,1,2-Trichloroethane	U	50
* 54. Trichloroethene	U	50
* 55. Trichlorofluoromethane	U	50
* 56. 1,2,3-Trichloropropane	U	250

Parameter	Result (µg/kg)	PQL (µg/kg)
* 57. 1,2,3-Trimethylbenzene	U	50
* 58. 1,2,4-Trimethylbenzene	U	50
* 59. 1,3,5-Trimethylbenzene	U	50
* 60. Vinyl Chloride	U	50
* 61. m&p-Xylene	U	100
* 62. o-Xylene	U	50

System Monitoring Compounds (Surrogates):	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q
1. 4-Bromofluorobenzene(S)	2,550	2,500	102	50 - 163	
2. Dibromofluoromethane(S)	2,820	2,500	113	50 - 173	
3. 1,2-Dichloroethane-d4(S)	2,870	2,500	115	-	
4. Toluene-d8(S)	3,000	2,500	120	61 - 164	

PQL = Practical Quantitation Limit. This represents the higher value of either the method detection limit or the lowest calibration point for the analysis.

* = Project Parameter U = Result below PQL * = Parameter detected in blank

MB Evaluation: **Pass**

Number of project parameters:

62

Number of project parameters detected:

0

Joanna Wieland
Laboratory Approval/Date
ZM 2/16/10
Quality Assurance Review/Date

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Client Name:

SME

Contact Person:

J.P. Buckingham / Dan Cassidy

Project Name/Number:

Near North

PC60262C-02

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor
2/11/10	9:45		SB101-S1	
	9:55		SB101-S4	
	10:45		SB102-S1	
	10:50		SB102-S7	
	10:55		SB102-S4	
	12:15		SB103-S5	
	12:30		SB103-CW	
	-		Duplicate #1	
	-		Duplicate #2	

MATRIX (SEE RIGHT CORNER FOR CODE)

OF CONTAINERS

PRESERVED (Y/N)

PARAMETERS

PARAMETERS	2/11/10	14/10
UCC	X	X
PAHs	X	X
Cadmium	X	X
Chromium	X	X
Lead	X	X
Hex Chromium	X	X

Remarks:

Turnaround
24 hour RUSH (surcharge applies)
48 hour RUSH (surcharge applies)
72 hour RUSH (surcharge applies)
Standard (5-7 bus. days)
Other: Specify

Matrix Code
S Soil
W Water
A Air
O Oil
P Wipe
GW Ground Water
SW Surface Water
WW Waste Water
Other: Specify

Comments:

Relinquished By:

Date/Time

Received By:

Date/Time

Relinquished By:

Date/Time

Received By:

Date/Time

Relinquished By:

Date/Time

Received By:

Date/Time

LAB USE ONLY:

Fibertec project number:

RCV'D ON

Laboratory Tracking:

ICE

Temperature at Receipt:

37910

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Client Name: *SMT*

Contact Person: *J.P. Buckley / Don Casella*

Project Name/ Number: *West North*

PE602622-02

Purchase Order #

Tab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	RESERVED (Y/N)	PARAMETERS										Turnaround	Matrix Code													
	<i>2/11/10</i>	<i>-</i>		<i>TIP BLANK</i>		<i>17X</i>		<i>NO</i>																								
	<i>2/11/10</i>	<i>-</i>		<i>Meth Blank</i>		<i>17X</i>																										

Comments:

Relinquished By:

[Signature]

Date/Time

2/11/10

Received By:

[Signature]

Date/Time

14:11:10

Relinquished By:

Date/Time

Received By Laboratory:

LAB USE ONLY:
Fibertec project number: **RCV'D ON**
Laboratory Tracking: **ICE**
Temperature at Receipt: *1*

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK