



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

(217) 524-1663

August 28, 2014

Mike Ribordy
Chief, Emergency Response Section 2
Emergency Response Branch 2
U.S. EPA, Region 5
77 West Jackson Boulevard, SE-5J
Chicago, IL 60604

Re: Internet/Wagner Castings
LPC# 1150155186 – Macon County
SF/Tech

Dear Mr. Ribordy:

I am requesting the Region 5 Offices of the United States Environmental Protection Agency (U.S. EPA) assign an On-Scene Coordinator to conduct a time-critical removal assessment and possible removal action at the Internet/Wagner Castings (Internet) in Decatur, Macon County, Illinois.

The Internet Site is located within a mixture of residential and industrial areas within the central portion of Decatur at 1275 East Sangamon Street. The site encompasses approximately 30 acres of property comprised of 9 separate land parcels. The site is bordered by Jasper Street to the west, East Sangamon Street (now defunct) to the north, and an active rail line to the south and east. A residential neighborhood is located immediately north of the abandoned facility. An illustration of the Internet Site and its surrounding area can be found on the Site Area Map (attached to this referral).

Beginning in the 1880's, several manufacturing processes took place at the Decatur site. Different land uses included electroplating, a former radiation room, a bulk petroleum plant, machine shops, and several foundries. In 1917 Wagner Castings began operating a foundry which eventually became known as the Internet Corporation. Wagner Castings was a wholly-owned domestic subsidiary of the Internet Corporation. Both Wagner Castings and the Internet Corporation filed for Chapter 11 bankruptcy in September 2004 and subsequently closed the facility in late 2005. According to information gathered from the City of Decatur, the property was sold to the current tax recipient, 825 North Lowber Street, LLC in 2008. Their mailing address will be made available at your request.

The most recent buyer of the property (825 North Lowber Street, LLC) intended to raze the buildings and clear the property. Once this was accomplished, new buildings and other infrastructure would be completed in order to make the property useful once again. It appears that only a portion of these activities took place on the site before the site owner vacated the property.

In early 2014, the City of Decatur became concerned about the potential safety of the site due to the fact that it is located near residential properties. The site is surrounded by an unsecure fence and there are several signs of human intrusion throughout. The City of Decatur retained the services of Fehr-Graham and Associates to inventory potential areas of concern on the site. A copy of the inventory is attached to this referral.

On July 15, 2014, at the request of the City of Decatur, Illinois EPA's Office of Site Evaluation collected samples from suspected areas of contamination on the Internet Site. The following is a summary of the samples collected (a complete laboratory analysis accompanies this referral):

- Multiple 55-gallon drums are stored in a Waste Storage Building. An elevated Photo Ionization Detector (PID) reading was obtained from one of the drums. A sample was also collected but the laboratory noted that there was insufficient volume to analyze the sample.
- Within the Waste Storage Building a green powder in broken paper bags can be found. An X-Ray Fluorescence (XRF) detected levels of Chromium in excess of 20,000 ppm. A sample was collected for Toxicity Characteristic Leaching Procedure (TCLP) metals but did not detect anything above hazardous levels.
- A white pipe wrapping was found in waste piles scattered the eastern portion of the site. The white material was found not to contain any asbestos fibers but rather cellulose fibers.
- There was an area located within one of the buildings that contained stock-piled PCB transformers. There were also several drums in that area that were labeled "Hazardous Waste." An analysis of residual material within one of the drums detected Arochlor 1242 at 2,800,000 ppm.
- At least one large building is covered with metal panels that have been coated with Galbestos. Galbestos consists of multiple layers of asphalt and asbestos. Five samples were collected from galbestos that is flaking away from the metal panels. All five samples tested positive for asbestos. Samples of the Galbestos also contained Arochlor 1242 at levels that ranged from 2.1 – 13 ppm.
- One additional sample was collected from a waste pile outside of one of the buildings. That sample tested positive for asbestos.

Due to the nature of contamination found at the Internet Site and the fact that the property remains accessible to the nearby population, Illinois EPA requests the assistance of U.S. EPA. It appears that the tax recipient is unable or unwilling to clean the property and the longer that the site remains vacant, the buildings and their content will continue to deteriorate.

Please have your On-Scene Coordinator contact me at the above number as soon as possible to discuss additional site information and coordinate a site visit.

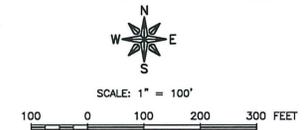
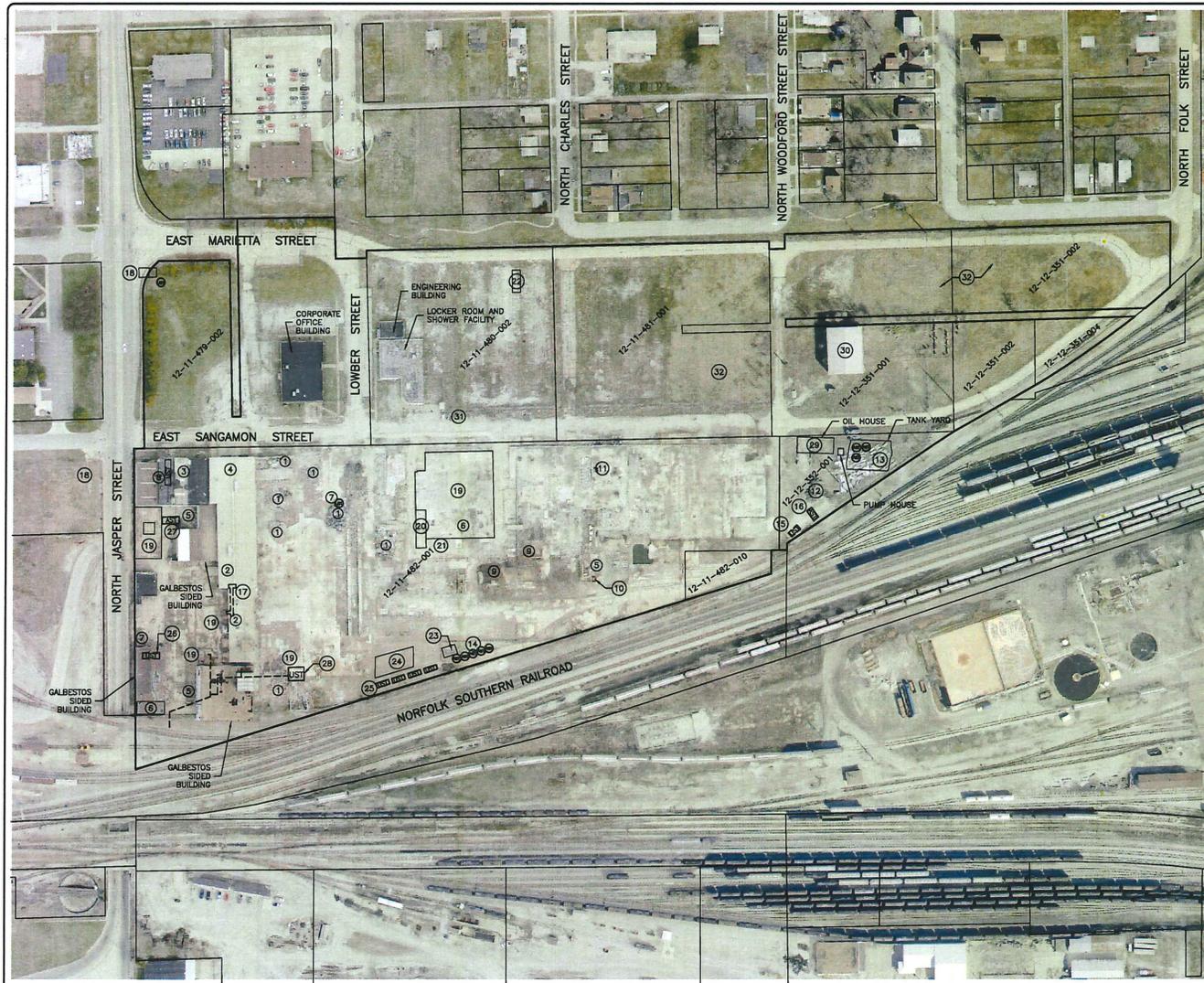
Thank you for your continued support and we look forward to hearing from U.S. EPA for this project and future removal activities.

Sincerely,

A handwritten signature in cursive script, appearing to read "Bruce Everetts". The signature is written in dark ink on a white background.

Bruce Everetts
Office of Site Evaluation
Division of Remediation Management
Bureau of Land

bcc: Division File, w/ attachments
Sam Borries, U.S. EPA, w/o attachments, via e-mail
Jay Timm, OCR, w/o attachments, via e-mail
Dean Studer, OCR, w/o attachments, via e-mail



KEY FEATURES/ITEMS

- ① PILES OF DEMOLITION DEBRIS CONTAINING SUSPECTED ASBESTOS CONTAINING ROOFING MATERIALS
- ② FLOOR PITS FILLED WITH DEMOLITION DEBRIS
- ③ COVERED FLOOR PIT
- ④ ELECTRICAL TRANSFORMER & PCB OIL DRUM STORAGE AREA
- ⑤ FORMER ELECTRICAL TRANSFORMER YARDS
- ⑥ FORMER ELECTROPLATING AREAS
- ⑦ FORMER GASOLINE UST AREAS
- ⑧ FORMER KEROSENE/FUEL OIL UST AREA
- ⑨ PILES OF FOUNDRY WASTES/SAND/SLAG
- ⑩ DIESEL FUEL AST
- ⑪ USED OIL AST
- ⑫ PILES OF SUSPECTED ASBESTOS CONTAINING FABRIC INSULATION
- ⑬ PILES OF SUSPECTED TRANSITE (ASBESTOS CEMENT) PANELS
- ⑭ FORMER QUENCH OIL AST'S
- ⑮ FORMER USED OIL UST
- ⑯ FORMER USED OIL AST
- ⑰ FORMER FOUNDRY SAND DISPOSAL TRENCH
- ⑱ FORMER FILING STATION AND UST(S)
- ⑲ FORMER MACHINE SHOP AREAS
- ⑳ FORMER CHEMICAL LAB
- ㉑ FORMER RADIO/ X-RAY ROOM
- ㉒ FORMER BATTERY REPAIR FACILITY
- ㉓ FORMER OIL PUMPHOUSE & 5 BULK FUEL AST'S
- ㉔ FORMER ENAMEL SPRAYING BUILDING
- ㉕ FUEL OIL UST(S)(4)
- ㉖ CRUD OIL UST
- ㉗ FORMER OIL TANK
- ㉘ ~200 GALLON GASOLINE UST & UNDERGROUND DISTRIBUTION PIPING
- ㉙ FORMER BULK PETROLEUM STATION
- ㉚ DRUM/WASTE STORAGE BUILDING
- ㉛ CONTRACTOR DIESEL/OIL AST'S & 55 GALLON DRUMS
- ㉜ SUSPECTED FILL AREAS

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL

ILLINOIS
IOWA
WISCONSIN

CLIENT:
CITY OF DECATUR
1 GARY K ANDERSON PLAZA
DECATUR, IL 62523

PROJECT AND LOCATION:
FORMER WAGNER
CASTINGS/INTERMET FOUNDRY
DECATUR, ILLINOIS 62521

DRAWN BY: JMP
APPROVED BY: RW
DATE: 05/13/14
SCALE: HOR
VERT

REVISIONS	
REV. NO.	DESCRIPTION

DRAWING:
APPENDIX 1 SITE PLAN

JOB NUMBER:
12-139H-A03C
SHEET NUMBER:
1 of 1

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

May 14, 2014

Mr. Bruce Everetts
Office of Site Evaluations
Illinois Environmental Protection Agency - Bureau of Land
1021 N. Grand Avenue East
P.O Box 19276
Springfield, IL 62794-9276

**RE: Preliminary Phase I Environmental Site Assessment Findings
Former Wagner Castings Company / Internet Foundry
825 - 830 N. Lowber Street / 700 N. Jasper Street / 1275 E. Sangamon Street
Decatur, Illinois 62521
LPC No. 1150155186
USEPA ID No. ILD000814699**

Dear Mr. Everetts;

On behalf of the City of Decatur, we are providing notification of current site conditions at the former Wagner Casting Company/Internet Foundry property. There is significant concern that the site conditions represent an imminent threat to our residents and the environment. On April 15, 2014, Mr. Robert Wilhelmi and Andrew Schaaf of Fehr Graham accompanied Mr. Shaun Gadberry and Mr. Danny Hoults of the City's Neighborhood Inspections Division on a reconnaissance of the site. It is estimated that the approximately 30-acre site was abandoned approximately two (2) years ago at a time when demolition activities of former structures was occurring. Imagery from Google Earth indicates that a majority of the demolition occurred around 2010 and 2011. The property taxes are currently delinquent and the remaining structures and improvements have deteriorated to a state of significant blight. The unsecured site poses additional apprehension as a result of the close proximity of residential homes immediately north of the site. In 2012, the site was identified as priority brownfields by the City's Brownfields Redevelopment Advisory Committee, which was made up of a variety of community stakeholders, residents, and public officials. As a result of known environmental issues combined with the existing blight and neighborhood concerns, the City and Fehr Graham moved forward with initial Phase I Environmental Site Assessment activities using the City's awarded USEPA Brownfields Assessment Grant funds. Mr. Jon Peterson is currently serving as the USEPA project manager for the City's brownfields initiative and has been simultaneously notified of the site conditions.

GENERAL BACKGROUND

The approximately 30-acre site is comprised of nine (9) individual land parcels. A Site Plan is provided as Attachment 1. A diverse assortment of historical land uses have been identified, including two (2) electroplating facilities, a "former radiation room", a bulk petroleum plant, machine shops, and multiple foundries. Manufacturing at the site has been dated back to the 1880s. From that time until approximately 1915, that land was principally operated by a number of facilities related to the Chambers, Bering, Quinlan and Company. Wagner Castings Company began operating a foundry at the site in 1917, which eventually became known as

Intermet Foundry. Wagner Castings Company was a wholly-owned indirect domestic subsidiary of Intermet Corp. Both Wagner Castings Company and Intermet Corp filed for Chapter 11 bankruptcy in September 2004 and closed operations in late 2005. The Decatur plant produced metal castings for the auto industry. Land title records indicate that in 2008 Wagner Castings Company sold the parcels that make up the property to the current owner on tax record, 825 North Lowber Street, LLC.

On May 27, 2008, the IEPA's Division of Legal Counsel received a letter from Foley & Lardner, LLP, which was sent on behalf of their clients, Wagner Castings Company. The letter discusses the pending sale of the site to 825 North Lowber Street, LLC. The letter presents some brief environmental-related background conditions and details the bankruptcy of Wagner Castings Company. The letter also describes 825 North Lowber Street, LLC, as "an Ohio limited liability company formed for the purpose of buying and rehabilitating distressed properties to fit the economic growth needs of local communities." The buyer's plans for the property were stated to include razing the buildings and either selling the cleared property to a new owner or construct a new building(s) that could be served by rail. It also states that the buyer was mindful of the environmental issues at the site and desired to continue the remediation of the properties through the IEPA's Site Remediation Program (SRP).

A March 16, 2009, letter from the purchaser's attorney, Ulmer Berne LLP, was directed to the IEPA as part of the site's enrollment in the SRP and states that the buyer has agreed to undertake full responsibility for completing remediation of the properties as part of an Escrow arrangement requiring certain remedial obligations. Both letters were obtained as part of a Freedom of Information Act (FOIA) request submitted to the IEPA and are included for reference as Attachment 2. Subsequent DRM forms submitted to the SRP as part of the properties enrollment identified the following individual as the contact person for the Remedial Applicant, 825 North Lowber Street, LLC:

Robb Davis
587 Covered Bridge Road
Oley, PA 19547
Phone: 610-689-0855
FEIN: 26-2601228

A subsequent Google search for the Remedial Applicant identified Cat Iron, Inc. as located at the aforementioned address. As discussed later in this report, Cat Iron, Inc. is also reported to have been the demolition contractor that razed the former structures.

APRIL 2014 SITE RECONNAISSANCE SUMMARY

The site is currently surrounded by an unsecured fence. An open gate to the fence is present at the northwestern perimeter, directly south of the North Lowber Street Cul-de-sac. Multiple significant environmental concerns were observed during the site reconnaissance and were photo-documented. The remaining onsite buildings are also unsecured, some of which contain no walls as a result of past demolition activities. A summary of the most significant concerns are as follows, which have also been identified and numbered on the Site Plan provided in Attachment 1. The associated photographs have been attached for reference as Attachment 3.

Polychlorinated Biphenyl (PCB) Oil Drums and Electrical Transformers

A large volume of stock-piled electrical transformers were present at the northern limits of the remaining industrial structure (Site Plan #4). Some of the transformers contained labels indicating they are of non-PCB content and some contained no identifying labels related to PCB content. Also present to the west of the transformers were multiple 55-gallon drums labeled "Hazardous Waste" and "Caution Contains PCBs". These drums appeared to be generally full and the lids were secure. However, staining was observed around the base of one drum as depicted in Attachment 3. Although a roof is present at the area, some sides of the structure have been removed as part of historical demolition activities, allowing direct access by unauthorized visitors and partial exposure to weather elements.

Just as concerning is what environmental impact may remain from the areas that the electrical transformers were removed from. During the site reconnaissance, three (3) former transformer yard areas were identified (Site Plan #5). The areas were in very poor condition. No records or evidence of the proper decommissioning of the former transformers have been identified to date. Signage indicates that the local electrical utility provider may have operated at least one of the former transformer yards. PCB impacts to underlying concrete, soil, and groundwater are of concern in addition to the surrounding demolition debris.

Waste Storage Building

At the northeast corner of the site is an unsecured metal clad structure containing wastes that are suspected to have been former foundry-related manufacturing products (Site Plan #30). Multiple 55-gallon drums were observed and labeled as containing caustic liquids, surfactants, and solvents. Also present was what appeared to be foundry sand and chrome oxide (green) powder. Past experience with similar chrome oxide powders demonstrated that the material will typically fail a standard TCLP waste profile test for chromium, rendering it a hazardous waste as a result of toxicity. The sacks containing these powders were significantly weathered, allowing the materials to be actively released and exposed to precipitation runoff that had entered the structure through holes in the roof. Furthermore, the precipitation appeared to be carrying the materials to the exterior of the facility in some areas where they may be impacting soil.

Suspected Transite Piles

A stockpile of transite (asbestos-cement) panels were observed at the southeastern region of the site (Site Plan #13). The panels are directly exposed to the elements and were exhibiting signs of weathering. It is presumed these panels were removed from the former structures at the time of demolition and stockpiled at their current location. Google Earth imagery depicts the panels showing up at this location sometime between 2009 and 2010.

Suspected Asbestos Containing Fabric Insulation Wrap

Adjacent to the stockpiles of transite were a large pile of wire-framed cages of unknown use (Site Plan #12). The cages were wrapped in suspected asbestos-containing fabric insulation that exhibited significant signs of weathering and friability. It is presumed that these cages were used as part of the foundry operations, as they were also observed in some of the remaining structures with the same fabric coating. The wrapped wire cages were also observed in stockpiles of demolition debris that litter the site.

Deteriorating Galbestos Siding

A great portion of the exterior metal panels currently present on the remaining structures are comprised of Galbestos, as noted on the Site Plan. Interior areas also contained the panels in some of the structures. Galbestos consists of corrugated metal panels coated with multiple layers of asphalt and asbestos to protect of the steel substrate within. The general manufacturing procedure started with a carbon steel strip that was pickled and cleaned in a sulfuric acid bath. It was then galvanized and while the zinc was still molten, an asbestos felt was pressed into the surface to form a mechanical bond between the zinc and the asbestos. This strip was then impregnated with asphalt under pressure and heat. This Galbestos-coated metal strip was used for various metal building wall and roof applications for many years. Some historically manufactured Galbestos coatings have also been documented to contain PCBs to improve its thermal properties. Initial manufacture began in the 1940s and terminated in the late 1970s. A diagram presenting typical galbestos makeup has been included as part of Attachment 4.

A large quantity of the remaining exterior Galbestos panels are deteriorating and exhibiting signs of friability. As a result, there is significant concern that asbestos fibers and possibly PBCs are potentially being released. The panels are in a state where they will continue to be exposed to the open elements that support deterioration as time goes on.

Asbestos notifications were made to the IEPA from 2008 - 2011 prior to onsite abatement and demolition activities that confirm the galbestos panels contain asbestos. A summary of the notifications was obtained via FOIA and identified the abatement contractor as Parkland Environmental Group and the demolition contractor as Cat Iron, Inc. Asbestos notification summary forms are also included as Attachment 4. During a general Google search for Cat Iron, Inc., a lawsuit record from October 2011 was located that outlines the plaintiff's (Cat Iron, Inc. / Robb Davis) case against a local environmental contractor that reportedly failed to identify approximately 195,000 square feet of asbestos during an inspection of the site. Based on the volume of asbestos, it is anticipated that the Galbestos panels are what the case was built upon. An opinion record of the lawsuit is included in Attachment 4.

Suspected Asbestos Containing Roofing and Demolition Debris

Piles of suspected asbestos-containing roofing materials and other demolition debris (plaster, floor tile, etc.) were observed throughout the southwestern region of the site (Site Plan #1). The previously-described wire cages wrapped with suspected asbestos fabric insulation was also observed in some of the piles of debris. It appears that when the former buildings were demolished, the salvageable materials were removed and the remaining debris was left onsite where it is currently present. In general, roofing components are typically non-friable. However, these materials were compromised by the demolition activities and subsequently left exposed to seasonal elements. Similar to the Galbestos, these materials have significantly deteriorated and exhibit evidence of friability. As a result, there is significant concern that asbestos fibers are potentially being released. The roofing materials and demolition debris are in a state where they will continue to be exposed to the open elements and further deteriorate.

Waste Oil/Fuel Tanks and Drums

A number of aboveground storage tanks and 55-gallon drums labeled as containing fuel and used oil remain onsite (Site Plan #s 10/11/31). The tanks and drums contain various amounts of liquids and appear to have been brought to the site to support demolition related equipment. The tanks and drums are directly exposed to the elements and evidence of small releases were observed in some of the areas. The tanks and drums are also located in close proximity to storm sewer inlets located throughout exterior areas of the site.

Foundry Sand/Slag/Waste Piles

Several piles of foundry sand mixed with slag, other waste materials, and casted parts are located at the central region of the site (Site Plan #9). Based on our past experiences, similar foundry wastes are known to contain elevated levels of polynuclear aromatic hydrocarbons (PNAs) and heavy metals. The material is currently exposed to the elements. In addition, the material was observed as contacting precipitation, allowing for potential contaminants to be carried into surrounding storm sewer inlets via surface runoff and jeopardizing surface water bodies that the storm sewer systems discharge into. In addition, evidence that animals are coming in contact with the materials was also observed.

CONCLUSIONS

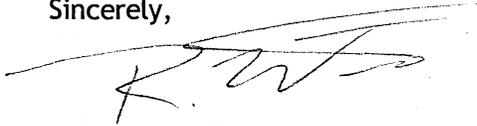
The City of Decatur is very concerned about the sensitive environmental conditions observed at the site and requests assistance in assurance that human health and the environment are protected. However, addressing these conditions extend far beyond the capabilities of the City. An absent property owner has further complicated the situation. Therefore, we are requesting assistance from the IEPA and USEPA in addressing what we feel is an imminent threat to human health and the environment. On May 9, 2013, the Illinois Emergency Management Agency (IEMA) was notified by Mr. Wilhelmi on behalf of the City of Decatur regarding the encountered site conditions. The IEMA immediately

May 14, 2014
Mr. Bruce Everetts
IEPA - Bureau of Land
Page 6

forwarded Mr. Wilhelmi to the IEPA's Office of Emergency Response (OER), where a verbal report was filed over the telephone. Mr. Wilhelmi was directed by OER staff to submit a formal summary of these items to the IEPA's Office of Site Evaluation (OSE) and the OER via email for further evaluation. As a result, we are providing this Preliminary Phase I Environmental Site Assessment Findings report, which will be incorporated into a Final Phase I ESA in the near future.

If you should have any questions, please do not hesitate to contact Mr. Billy Tyus, City of Decatur, at (217) 424-2727 or me.

Sincerely,



Robert M. Wilhelmi
Project Manager

RMW:ja

Attachments

- Attachment 1 - Site Plan
- Attachment 2 - Ownership Information
- Attachment 3 - Site Photographs
- Attachment 4 - Asbestos Related Information

cc: Jon Peterson - USEPA Cooperative Agreement Project Manager
Blaine Kinsley - IEPA OER
Billy Tyus - Assistant City Manager, City of Decatur



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	INTERMET	Date Received :	07/15/14
Project/Facility Number:	1150155186	Visit Number:	
Funding Code:	PR41	Temperature C:	1.00
Trip ID:		Lab Sample ID:	SG40831-01
Client Sample ID:	X301	Date/Time Collected:	07/15/14 10:25
Matrix:	Organic Liquid	Collected By:	BE
Sample Type:		Sample Depth:	
		Total Depth:	

Flashpoint by closed-cup tester

Method:	1010	Prepared:	07/23/14 09:27
Units:	°F	Analyzed:	07/23/14 12:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
FLASH POINT	insufficient sample		140	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

Reported:
08/18/14 16:08
Page 1 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received: 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **X302** Lab Sample ID: **SG40831-02**

Matrix: Solid Collected By: BE Date/Time Collected: 07/15/14 10:25

Sample Type: Sample Depth: Total Depth:

TCLP Metals by EPA Methods 1311/6010*

Method: 6010-TCLP Prepared: 08/07/14 13:13

Units: mg/L Analyzed: 08/14/14 12:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		0.01	
Arsenic	ND	J3	0.01	5
Barium	0.24		0.005	100
Beryllium	0.002		0.001	
Cadmium	ND		0.003	1
Chromium	0.13		0.005	5
Lead	ND		0.005	5
Nickel	ND		0.005	
Selenium	0.02		0.01	1
Silver	ND		0.003	5
Thallium	ND		0.01	
Vanadium	ND		0.005	
Zinc	0.06		0.02	

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Reported:
08/18/14 16:08
Page 2 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received : 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **X303** Lab Sample ID: **SG40831-03**

Matrix: Solid Collected By: BE Date/Time Collected: 07/15/14 10:45

Sample Type: Sample Depth: Total Depth:

PCBs by ECD

Method: 8082 Prepared: 07/16/14 13:17

Units: ug/kg wet Analyzed: 07/17/14 23:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aroclor 1016	ND		6000000	
Aroclor 1221	ND		6000000	
Aroclor 1232	ND		6000000	
Aroclor 1242	280000000		6000000	
Aroclor 1248	ND		6000000	
Aroclor 1254	ND		6000000	
Aroclor 1260	ND		6000000	

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Reported:
08/18/14 16:08
Page 3 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received: 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **X304** Lab Sample ID: **SG40831-04**

Matrix: Solid Collected By: BE Date/Time Collected: 07/15/14 11:45

Sample Type: Sample Depth: Total Depth:

PCBs by ECD

Method: 8082 Prepared: 07/16/14 13:17

Units: ug/kg dry Analyzed: 07/18/14 00:53

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aroclor 1016	ND		600	
Aroclor 1221	ND		600	
Aroclor 1232	ND		600	
Aroclor 1242	13000		600	
Aroclor 1248	ND		600	
Aroclor 1254	ND		600	
Aroclor 1260	ND		600	

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Reported:
08/18/14 16:08
Page 4 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received : 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **X305** Lab Sample ID: **SG40831-05**

Matrix: Solid Collected By: BE Date/Time Collected: 07/15/14 11:45

Sample Type: Sample Depth: Total Depth:

PCBs by ECD

Method: 8082 Prepared: 07/16/14 13:17

Units: ug/kg dry Analyzed: 07/18/14 02:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aroclor 1016	ND		600	
Aroclor 1221	ND		600	
Aroclor 1232	ND		600	
Aroclor 1242	2100		600	
Aroclor 1248	ND		600	
Aroclor 1254	ND		600	
Aroclor 1260	ND		600	

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Reported:
08/18/14 16:08
Page 5 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received: 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **X306** Lab Sample ID: **SG40831-06**

Matrix: Solid Collected By: BE Date/Time Collected: 07/15/14 11:50

Sample Type: Sample Depth: Total Depth:

PCBs by ECD

Method: 8082 Prepared: 07/16/14 13:17

Units: ug/kg dry Analyzed: 07/18/14 03:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aroclor 1016	ND		600	
Aroclor 1221	ND		600	
Aroclor 1232	ND		600	
Aroclor 1242	2700		600	
Aroclor 1248	ND		600	
Aroclor 1254	ND		600	
Aroclor 1260	ND		600	

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Reported:
08/18/14 16:08
Page 6 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received : 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **TB 1** Lab Sample ID: **SG40831-07**

Matrix: Water Collected By: Date/Time Collected: 07/15/14 0:00

Sample Type: Finished Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/16/14 09:00

Units: ug/L Analyzed: 07/16/14 12:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK) *	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Reported:
08/18/14 16:08
Page 7 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**

Project/Facility Number: 1150155186 Date Received: 07/15/14

Funding Code: PR41 Visit Number:

Trip ID: Temperature C: 1.00

Client Sample ID: **TB 1** Lab Sample ID: **SG40831-07**

Matrix: Water Collected By: Date/Time Collected: 07/15/14 0:00

Sample Type: Finished Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 07/16/14 09:00

Units: ug/L Analyzed: 07/16/14 12:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK) *	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Reported:
08/18/14 16:08
Page 8 of 9



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **INTERMET**
Project/Facility Number: 1150155186 Date Received : 07/15/14
Funding Code: PR41 Visit Number:
Trip ID: Temperature C: 1.00

Notes and Definitions

- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
- ND Analyte NOT DETECTED at or above the reporting limit
- * Non-NELAP accredited

Due to the oily nature of sample SG40831-01, the pH test was not performed to prevent possible damage to laboratory equipment.

Method 8082: Due to the high level of PCBs in samples SG40831-03, -04, -05 and -06, the usual NELAC approved preparation was not used as a tube extraction was performed. Therefore, not all NELAC or method requirements were met for these samples.

Method 8082: Sample SG40831-03 was reported as "wet" weight since dry weight test was not conducted due to the high level of PCBs present in sample. Samples SG40831-04, -05 and -06 were pieces of metal and the dry weight was assumed to be 100%.

Method 8082: Surrogates were diluted out of range in sample SG40831-03, therefore, surrogate recoveries could not be calculated for this sample.

Flash Point Method: Although there was insufficient sample volume to meet method requirements, a flash point analysis was performed on the 55mL of sample available. The sample did not flash to 151 deg F.

METALS TCLP - SG40831-02 - Blank extraction fluid showed a positive bias for Barium, Lead, and Selenium, and a negative bias for Arsenic.

Report Authorized by:

Matthew C. Neely
Organic Analysis Unit Supervisor

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Reported:
08/18/14 16:08
Page 9 of 9

TEM Environmental

443 Duane Street
Glen Ellyn, IL 60137-4547
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E-mail: sgeneser@tem-inc.com
Website: www.tem-inc.com

NIST-NVLAP	TEM Air Samples	101130
NIST-NVLAP	TEM Air Samples	101130
NIOSH-PAT	PCM Fiber Count	101151
AIHA-AAR	PCM Analyst	101151

Fax Cover

To: <i>Ron Raheen</i>	From: <i>Lori Borsman</i>
Company: <i>ELEPA</i>	Phone: (630) 790-0880
Fax: <i>(217) 782-1875</i>	Pages (including cover): <i>4</i>
Phone:	Date: <i>7-18-14</i>
RE:	CC:

Message: *Lab results*

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**BULK ASBESTOS SAMPLE EVALUATION
POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE**

NVLAP LAB ID 101130-0

Company Name:	Illinois Environmental Protection Agency	Client Project Ref:	Internet Foundry
Contact:	Ron Robeen	Project Location:	
Address:	1021 N. Grand Avenue East Springfield IL 62794-9276	TEM Project:	47604
		Analyzed by:	Lori Boersma
		Date Analyzed:	7/18/2014

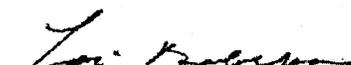
Sample Information				Fibrous Materials			Non-Fibrous Materials		
Client Sample ID	TEM	COLOR	ACM	Asbestos Fibers		Non-Asbestos Fibers		Filler	Comments
Description	ID.			Type	Percent	Type	Percent	Binder	
ACM 1 Waste Pile/Fabric Coating	241696	Gray	N/D	Chrysotile Amosite		Cellulose Glass	90-100		
ACM 2 Galbestos Siding	241697	Black	Yes	Chrysotile Amosite	60-70	Cellulose Glass		30-40	
ACM 3 Galbestos Siding	241698	Black	Yes	Chrysotile Amosite	60-70	Cellulose Glass		30-40	
ACM 4 Galbestos Siding	241699	Black	Yes	Chrysotile Amosite	60-70	Cellulose Glass		30-40	
ACM 5 Galbestos Siding	241700	Black	Yes	Chrysotile Amosite	60-70	Cellulose Glass		30-40	

Samples were analyzed following the procedures contained in the EPA Method 600/R-93/116, July 1993. This report applies only to samples tested.

SLM: The optical resolution of polarized light microscopy limits the size of fibers that are visible. In samples where very small fibers may be present, the asbestos fibers may be smaller than the resolution limit of a polarized light microscope. In those cases, the result of the PLM analysis is not conclusive where the sample is reported as non-asbestos. Samples that are expected to contain small fibers (such as floor tile samples and vermiculite) and that are reported as non-asbestos by PLM should be further analyzed by transmission electron microscopy.

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Key: ACM = Asbestos Containing Material as defined in USEPA NESHAP Regulation; TR = Trace; N/D = None Detected


Report Approved by:

**BULK ASBESTOS SAMPLE EVALUATION
POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE**

NVLAP LAB ID 101130-0

Company Name: Illinois Environmental Protection Agency				Client Project Ref: Internet Foundry			
Contact: Ron Robeen				Project Location:			
Address: 1021 N. Grand Avenue East				TEM Project: 47604			
Springfield IL 62794-9276				Analyzed by: Lori Boersma			
				Date Analyzed: 7/18/2014			
Sample Information				Fibrous Materials		Non-Fibrous Materials	
Client Sample ID	TEM	COLOR	ACM	Asbestos Fibers		Non-Asbestos Fibers	
Description	ID.			Type	Percent	Type	Percent
ACM 6	241701	Black	Yes	Chrysotile	60-70	Cellulose	
Galbestos Siding				Amosite		Glass	30-40
ACM 7	241702	Gray	Yes	Chrysotile	10-20	Cellulose	
Waste Pile/Demolition Debris				Amosite		Glass	80-90

Samples were analyzed following the procedures contained in the EPA Method 600/R-93/116, July 1993. This report applies only to samples tested.

SLM: The optical resolution of polarized light microscopy limits the size of fibers that are visible. In samples where very small fibers may be present, the asbestos fibers may be smaller than the resolution limit of a polarized light microscope. In those cases, the result of the PLM analysis is not conclusive where the sample is reported as non-asbestos. Samples that are expected to contain small fibers (such as floor tile samples and vermiculite) and that are reported as non-asbestos by PLM should be further analyzed by transmission electron microscopy.

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Key: ACM = Asbestos Containing Material as defined in USEPA NESHAP Regulation; TR = Trace; N/D = None Detected

Page 2 of 2


 Report Approved by:

47604

Chain of Custody

Laboratory: TEM Inc. Address: 443 Duane St City: Glen Ellyn, IL 60137-4528	Contact: Ron Robeen 217-524-0229 or ron.robeen@gmail.com
Project Name: <i>Internet Foundry</i> Project Address:	Contractor: Owner:
Collector:	ASHERA Inspector Number:

Sample Identification	Date Collected	Location/Description
AcM 1	7/15/14	Waste Pile / fabric coating
AcM 2	7/15/14	Galbestos Siding
AcM 3	7/15/14	Galbestos Siding
AcM 4	7/15/14	Galbestos Siding
AcM 5	7/15/14	Galbestos Siding
AcM 6	7/15/14	Galbestos Siding
AcM 7	7/15/14	Waste Pile / demolition debris

Released by (Signature)	Date/Time Released	Delivery Method	Received by (Signature)	Co/Agency Affiliation	Date/Time	Condition Noted
<i>Bruce Ford</i>	7/16/14 1300	HAND	<i>Ron Robeen</i>	IEPA	7/16/14	Good
<i>Ron Robeen</i>	7/16/14 1300	Hand/UPS	<i>Jai Kalamina</i>	TEM, Inc.	7/17/14 10:15am	OK

Disposition Of Samples: Return to Ron Robeen, IEPA, P.O Box 19276, Springfield, IL 62794-9276
Remarks, Special Instructions: Analyze all samples PLM. 24 Hour TA please. Fax sample results to 217-782-1875 and call 217-524-0229 with any questions. Thanks.