RICHARD BUI ASSOCIATES
520 FAIR VISTA COURT
WEXFORD, PA 15090
724-934-8765 OFFICE
724-934-8768 FAX

August 29, 2001

Buffalo Technologies Corporation
Mr. Marc Willer
750 E. Ferry Street
Buffalo, NY 14211

Dear Mr. Willer:

Enclosed is the limited Phase II Environmental Assessment report completed on August 2, 2001 by Richard Bui Associates. After reviewing the enclosed document if you have any questions and/or comments regarding this report, please contact me at 330-532-4941.

Sincerely,

Terry L. Lancaster
Project Manager
Environmental Engineer

Enclosures: Report

Tl/tl

1.0 Introduction

1.1 Purpose

Richard Bui Associates, (RBA), conducted this limited Phase II Environmental Site Assessment at the request of Mr. Marc Willer of Buffalo Technologies Corporation (BTC). The purpose of the survey was to provide a report describing the present conditions and to identify potential environmental problems for which the property owner may be liable.

RBA does not assume responsibility for the discovery and elimination of hazards which could possibility cause accidents, injuries or damage. Compliance with submitted recommendations and/or suggestions in no way assures elimination of hazards or the fulfillment of the company's obligation, as may be required by any local, state or federal laws or any modifications or changes thereto. In many cases, federal, state or local codes require the prompt reporting to relevant authorizes if a release occurs. It is the responsibility of the existing owner or operator to notify authorities of any conditions, which are in violation of the current legal standards. RBA submits information gathered from the visual Environmental Site Assessment (ESA), interviews with relevant personnel, and review of available records, in good faith. Testing and/or sampling were performed for the purpose of this survey. Finding and conclusions are based upon results of the visual inspection, sample data, and professional interpretation.

1.2 Scope of Work

The proposed scope of work includes the following tasks:

Document Review

RBA will review documents maintained by the property owner, as well as information available from a Phase I Environmental Site Assessment performed by Astorino Branch Environmental, Inc., in July 1993. Plant site drawings entitled; Plant Property-Buildings-Fences- R.R. Tracks – Hazardous Waste Storage Areas – Substations, will be examined to determine areas of possible contamination.

General Site Reconnaissance and Investigation
(Intrusive Investigation)

RBA will conduct a reconnaissance of the site's surface and other appurtenances. This task is designed to identify apparent signs and evidence of potential environmental concerns.

Data Analysis/Final Report

After reviewing the available records and site information, and conducting sampling in potential environmental problem areas the staff will evaluate and analyze the data along with our own independent observations. This task will help identify any gaps or missing data in the information base and to focus subsequent assessment activities on the real or potential environmental contamination issues.

RBA will then assemble the data collected from the prior mentioned tasks into a Final Report for the subject property. The report will include a description of investigation methodologies, raw data, results/conclusions, and a description of any recommended additional investigation or remedial actions.

1.3 Organization of Report

Chapter 1.0 of this report introduces the purpose of this project, the primary objectives of the environmental assessment, and the scope of work. Chapter 2. 0 summarizes the findings of the assessment. Chapter 3.0 covers conclusions regarding the visual survey of the subject property. Chapter 4.0 summaries

analytical results from environmental samples collected. Chapter 5.0 makes some recommendations based on the results discussed in Chapter 4.0.

2.0 Environmental Site Assessment

This section of the report documents the limited Phrase II Environmental Assessment conducted by RBA. The purpose of the environmental site assessment was to:

- Review readily available information to assess if past or present property usage could have significantly affected the environment;
- Determine the status of current environmental conditions by performing a site reconnaissance and collect environmental samples of potentially contaminated areas;
- Evaluate the potential for environmental impact from polychlorinated biphenyl's (PCB's), AGST's, and hazardous materials;

On August 2, 2001, representatives from Richard Bui Associates met with Mr. Marc Willer at the subject site to begin the onsite investigation portion of the assessment.

2.1 Site Location

The subject property is located at 750 East Ferry Street, Buffalo, New York, 14211. The subject site is located in Erie County, on the east side of the city of Buffalo, New York (See Figure I in Attachment I). According to information provided to RBA, the approximate coordinates for the subject property are 42 degrees 54 minutes' 58 seconds latitude, and 78 degrees 50 minutes' 25 seconds longitude.

2.2 Site Description

The subject property consists of approximately seventeen (17) acres. Scajaquada Creek runs under the property in a tunnel constructed by the Buffalo Sewage Authority around 1922. The Scajaquada Creek flows from the west running to the east running both underneath and between the main floor building and the machine shop building. Railroad sidings are located on the east side and west sides of the property.

The facility consists of two (%) main buildings as presented in Figure I – Plant Property-Buildings-Fences-R.R. Tracks – Hazardous Waste Storage Areas – Substations (Drawing No. L-640). For the purpose of this report, the buildings are identified as follows:

Laboratory	Building one (1)	Built 1918
Main Fabrication	Building two (2)	Built 1910
Machine Shop	Building three (3)	Built 1910 & 1930
Fabricating Dept.	Building four (4)	Built 1918, 1930, +
Office	Building five (5)	Built 1901 +

The Laboratory building (1) is used as a testing area. Equipment for testing includes such things as food dryers, mixers, etc. This building is the most easterly building on the subject property.

West of the Laboratory building is the Main Fabricating building. This building has the main boiler room located on the east side of the building and a large bay of approximately four hundred and eighty feet (480) by eighty feet (80) wide.

There are three (3) dry pits located below floor level in the Main floor building. These pits are utilized when oversized equipment is being fabricated. These pits are pumped out on occasion as a result of a leak and/or spill.

A 20,000-gallon concrete filled above ground fuel oil tank was located east of the main building. The fuel oil tank was removed from the site in 1994. Northeast of this location is two (2) roll-offs utilized for scrap metal turning from the machine shop.

The Machine shop has a cementatious coating on the exterior of the building. Wood block flooring is present in the machine shop.

The MACHINE shop and the remaining buildings are constructed of brick, steel, coated corrugated steel, and transite panels. All buildings have had new roofs within the last ten- (10) years.

The Office building is located on the west side of the property and is unattached. This building houses a central boiler room. The parking area is located on the south end of the property between the buildings and East Ferry Street.

2.2.1 Adjacent Property Description

The adjacent property to the south of the subject property is East Ferry Street, across East Ferry Street is an abandoned industrial facility. This building is currently owned by the City of Buffalo and presently does not appear to be occupied.

The adjacent property to the north of the subject property is a right of way for the New York Central Railroad. Beyond the railroad is also industrial property. Also, Jamison Roofing Company is adjacent to the northeastern corner of the subject property.

The property line on the east side of the subject property borders several properties located along Fillmore Street including a small salvage yard, an abandon frame and body shop, residential properties, and a Child Care business directly located across a small alley from the Laboratory building located on Fillmore Street.

The adjacent property to the west includes a large elevated municipal water tank owned by the City of Buffalo Water Department and another partial owned by the City of Buffalo which appears to be some type of detention unit.

2.3 Site History

This portion of the report contains a chain of title to investigate possible previous environmental concerns that may be present as a result of a previous ownership on the subject property or previous owners of adjoining properties involved in the handling or storage of hazardous materials or hazardous waste. Additional information (other than names and dates of ownership) may be included in this portion of the report if determined by the researcher that it may be relevant. Such items would include Rights of Ways, and physical descriptions.

The subject property has been an industrial property since the early 1900's. Information obtained from Buffalo Technologies, (an excerpt from Phase I Environmental Site Assessment, dated July 1993) indicates that the construction to accommodate Buffalo Foundry and Machine Company was in 1902. Later the facility was owned and operated by Blax Knox Food & Chemical Equipment Company.

During the visual inspection of the subject property and in the Phase I Environmental Assessment conducted in July, 1993, Mr. Willer, identified the most northern portion of the property, in the vicinity of the existing grass area, was a city dump before the industries were developed.

2.3.1 Adjacent Property History

The industrial property to the south beyond East Ferry Street is currently owned by the City of Buffalo and is unoccupied at this present time. According to records in 1978 Industrial Refining Corporation purchased the property from General Electric.

The property now occupied by Expressway Frame and Autobody on Fillmore Street used to be a gasoline station. According to information obtained from the Phase I Environmental Assessment, the building was constructed in 1955 and an improvement was made to include installation of underground storage tanks. Names of past owners indicated service station activities were conducted on the property.

The grassy area west of the Main FABRICATING building and the fence line is the area the City of Buffalo is interested in purchasing from the current owners. This area is a grassy area with equipment housed closed to the Casting STORAGE building and Fabricating department. Directly underneath this area the City of Buffalo Sewage Authority maintains a tunnel which houses the Scajaquada Creek. The City of Buffalo Sewage Authority and the New York – Department of Environmental Compliance (NYDEC) collects daily environmental samples from the creek.

2.4 Site Conditions

2.4.1 Containers (fifty-five gallon drums)

The facility has a detailed written waste contingency and spill prevention plan, which appears to be well maintained by the facilities manager and environmental coordinator, Mr. Willer. Approximately, six (6) drums of used oil and/or solvents are stored in a designated area directly outside the Laboratory building. This hazardous waste storage area is underroof and well marked. Within the facility there are thirteen (13) either hazardous waste satellite accumulation and/or hazardous substance storage areas. All waste storage areas are properly marked and inspected by maintenance personnel every morning for possible leaks. According to Phase I Environmental Assessment almost all used oil generated on site is incinerated on site by using a oil burning boiler which is used to heat the locker room. This waste minimization procedure for heating was approved by the NYDEC.

2.4.2 Polychlorinated Biphenyl's (PCB's)

There were several transformers and capacitors located inside and outside of the buildings prior to March 2000. According to employees of Buffalo Technologies the transformers were removed from the facility and sent off site to an approved facility. The outside area where the transformers used to existed is located between the Laboratory building and eastern most corner of the boiler room of the Main Floor Fabrication Building. This area is approximately eight (8) feet by thirteen (13) feet with a concrete base and roughly three (3) to five (5) inches of an unconsolidated material (soil/gravel) on top of the concrete slab. The steel support structure that was utilized to hold the transformer up shows significant staining with a thick black oil type material and the soil/gravel mixture and concrete slab are also significantly stained. (See photo # 1)

2.4.3 Soil

As previously mentioned in paragraph 2.3 the subject property has been industrial property since the early 1900's. Previous operations preformed relating to foundry operations may have contributed to any soil contamination existing today. The location and description of specific activities that typically may have created an environmental concern can not always be defined; therefore it is possible that the entire property may have elevated levels of regulated materials. For the purpose of this report RBA, makes reference by visual and standard environmental sampling practices to obvious areas that may be an environmental concern.

Past practices (prior to 1984) of similar facilities than owned by the than Blaw Knox included disposing of the used oils on the parking areas and roads as a method of dust control.

As previously mention in Section 2.4.2 the area where the old transformers were housed is also the location of two air distillation tanks for the Rand compressor located in the boiler room of the Main Floor Fabrication building. There is visible staining at the concrete base and the unconsolidated material (soil/gravel) base found directly to the north of the tanks. The staining appeared to be coming directly from

the drainage valve located at the base of each of the tanks. The concrete slab appears to be slated towards the north is the liquid draining from the air distillation tanks flows directly into this unconsolidated material. The unconsolidated area is approximately three hundred (300) square feet but only a relatively small section ten (10) square feet of the area was badly stained. (See Photo # 2) The stain appeared to be some type of oil product from the settlement released from the tanks.

The area surrounding the old location of the 20,000-gallon above ground fuel oil storage tanks appears to have vegetation growing but the soil in the area is an unconsolidated material (mostly black silt). The above ground storage tank at one time had an earthen barrier around the perimeter of the tank for secondary containment. (see photo #3)

Visible staining on the ground near the property line at the northeast side of the Fabrication building is an area of concern, consisting of about one thousand eight hundred and seventy-five square foot (1,875) square feet. The ground is dark and sparse patches of vegetation are present (See Photo # 4) The soil is comprised of roughly two (2) to three (3) inches of an unconsolidated material (dark silt) with a brown consolidated material (soil) underlying.

On the northwest side of the Fabrication building there appear to be a number concerns, consisting of two sections with little to no vegetation. The first area has little to no vegetation consisting of about sixty (60) square feet. The ground is an unconsolidated material with sparse vegetation. (See Photo # 5) The ground in this first area is brownish red in color but roughly eight (8) to twelve (12) inches deep the underlying material turns to an unconsolidated material (dark silt). The second area is along the fence line and is approximately one hundred (100) square feet. This area is a consolidated material (blackish brown) on the surface but the underlying material is a consolidated (brownish-red) material with metal shaving and numerous other metal objects. The Phase I Environmental Assessment conducted in July 1993 states this area was used to store scrap metal and casting. Within fifty (50) feet of this area Mr. Willer indicated that the employees used to grow tomatoes plants near the storage shed. (See Photo # 7)

The northwestern area of the subject property near the Fillmore Avenue gate two roll-offs are house to collect small pieces of metal shavings from the Machine shop cover the ground.

2.4.4 Storage Tanks

Information regarding storage tanks on the subject property are from conversations with Mr. Willer and the Phase I Environmental Assessment July 1993. A 20,000 gallon above ground fuel oil storage tank was located on the west side of the Machine Shop Main Floor outside was permanently closed on site by filling with concrete in 1992. Additional closing procedures and removal were completed on the above ground storage tank in 1994. (See Photo # 3)

2.4.5 Waste Water

According to the Phase I Environmental Assessment die testing was performed to determine the fallout locations of the drains. The previous owners (Blaw Knox) installed dedicated sewage lines and believe only the storm drains discharge to Scajaquada Creek.

Upon visual inspection of the sump directly outside the northeast door of the Machine Shop Main Floor a greenish colored substance appeared to be floating on the surface water. This sump is a catch basin for the collection of run-off water from the roof and directly inside the Machine Shop there is a sink for washing part, and miscellaneous items. (See Photo # 6)

3.0 Conclusions

During the Environmental Site Assessment the following concerns were identified.

3.1 Containers

Current efforts by the BTC personnel have significantly reduced any potential contamination caused by careless storage of drummed material on the subject site. Current practices should continue with hazardous waste removal every ninety- (90) days.

3.2 Polychlorinated Biphenyl's (PCB's)

Based on information provided by BTC and Phase I Environmental Assessment old transformers on the subject property may have contained PCBs in the past; therefore, it is possible that the soils in the vicinity of the sub-station may be contaminated with PCBs.

3.3 Soil Contamination

As previously mentioned the entire property may be contaminated based on information regarding the historical use of the property. Past uses on the subject property and the adjacent properties may have contributed to any contamination existing on the subject property today.

For the purposes of this report, RBA has attempted to identify the possibility of soil contamination due to petroleum and/or heavy metals based on obvious means via the visual walk through, history of property, environmental sampling, and discussion with BTC personnel. As a result, the areas of major concern requiring further investigation are as follows:

- Area where the old transformers were housed
- Area directly north of the old transformers located where two air distillation tanks are housed.
- Area where the 20,000-gallon fuel oil tank was housed.
- Area along the northeast fence lines approximately 1,875 square feet.
- Two area northeast corner of the Machine Shop building approximately 160 square feet.
- The grassy area located on the western side of the subject property between the Casting Storage Building and the Fabricating Department. This total area covers approximately 56, 000 square feet.

4.0 Results

The testing of soil and groundwater as an integral part of the Phrase II Environmental Site Assessment would involve the development of a sampling plan to locate monitoring wells, drilling, collecting of samples, analysis, and documenting the results. RBA collected environmental soil samples of obvious soil contamination based on surface appearance and historical data present in the Phase I Environmental Assessment conducted in July 1993. These soil samples were presented to and analyzed by RJ Lee Group in Monroeville, PA. A total of thirteen samples were collected on August 2, 2001 from the subject property. These samples were collected in accordance with Environmental Protection Agency Solid Waste Sampling guidelines.

4.1 Polychlorinated Biphenyl's (PCB's)

Two samples were taken from the area located between the Laboratory building and the Main Floor Fabrication building. RBA collected two (2) samples of the unconsolidated material (soil/gravel) approximately four (4) inches from the surface. Both samples were analyzed for the presence of PCB's. The samples were checked by RJ Lee Group, Inc, in Monroeville, PA for the following PCB's Arochlors 1232, 1242,1254,1260,1262, and 1016. RJ Lee Group utilized Method SW846-8270 Modified required by the Environmental Protection Agency. Both samples showed PCB levels below < 2 mg/kg concentrations. For soil to be considered PCB contaminated it must contain 50 ppm of PCB's. (Sample numbers 080201-01 and 080201-02) See Figure I – Plant Property-Buildings-Fences-R.R. Tracks – Hazardous Waste Storage Areas – Substations (Drawing No. L-640) for sample location and photograph one (1). See attach Laboratory report.

RBA would recommend that if this area is utilized in the near future that the unconsolidated material (gravel/dirt) and the steel structure that held the old transformers be handled with care and properly disposed of.

4.2 Total Hydrocarbons

Several locations throughout the subject property were sampled to establish if contamination by petroleum hydrocarbons were present. Samples 080201-03 thorough 080201-07 and samples 080201-10 thorough 080201-13 were over the quantitation limit of 1 mg/kg. RJ Lee Group located in Monroeville, Pennsylvania utilized USEPA Solid Method 8015 Modified to determine the extent of Total Petroleum Hydrocarbons (TPH) contamination.

The first location was described in section 2.4.2 as the area directly north of the old transformer location in between the Laboratory building and the Main Floor Fabrication building. Sample 080201-03 was collected at a depth of roughly ten (10) inches in an unconsolidated material (gravel/dirt). The laboratory report shows a TPH concentration of 4,990 mg/kg. (See photo # 2)

Sample number 080201-04 thorough 080201-06 were collected directly inside the earthen barrier that once housed the 20,000-gallon above ground fuel oil tank. (See photo # 3) The soil within this area was unconsolidated (black fine silt) samples were collected at the specified depths in the table below. Sample 080201-04 was collected between the eastern most concrete base and the middle concrete base. The second sample 080201-05 was collected on the southern side of the earthen barrier just outside the eastern most concrete base. The third sample 080201-06 was collected from the northern side of the earthen barrier approximately three (3) feet from the western most concrete base. The sample results are located in the following table:

Sample Number	TPH Concentration	Quantitation Limit	Depth of Sample
080201-04	340 mg/kg	1 mg/kg	~ 1 ft.
080201-05	256 mg/kg	1 mg/kg	~ 1.5 ft.
080201-06	157 mg/kg	1 mg/kg	~ 1.5 ft.

Sample number 080201-07 was collected in the area along the northeast fence line. (See photo # 4) The area is approximately 1,875 square feet has very little to no vegetation and the soil is an unconsolidated (rich dark silt) material. The sample was collected at approximately seven (7) to ten (10) inches in depth. The soil changed in characteristics after the first two (2) to three (3) inches the soil became a consolidated material (brown in color) and was more characteristics of clay type soil. Sample 080201-07 showed a total TPH of 187 mg/kg.

Sample number 080201-10 thorough 080201-13 were collected within the area between the Casting Storage building and Storage/Fabrication building. This area is represented in photographs eight (8), fourteen (14), fifteen (15), sixteen (16), seventeen (17), eighteen (18), and nineteen (19). Sample 080201-10 was collected on the northern most point roughly three (3) to four (4) feet from the large concrete slab by the fence. Sample number 080201-11 was collected towards the western most fence line approximately fifteen feet from the fence. Sample 080201-12 was collected from the eastern most corner of this area next to the building approximately twenty (20) feet from the corner where Storage building and Fabrication department meets. The last sample collected in this area 080201-13 was collected roughly twenty-five (25) feet from the fence behind the Casting Storage Building. The soil in this area varies from unconsolidated material (gravel to dark color silt) with vegetation growing. The area directly outside the fence on the western side has numerous trees and other vegetation.

The following table represents the analytical results:

Sample Number	TPH Concentration	Quantitation Limit	Depth of Sample
080201-10	142 mg/kg	1 mg/kg	~ 8" to 10"
080201-11	149 mg/kg	1 mg/kg	~ 10" to 12"
080201-12	852 mg/kg	1 mg/kg	~ 9" to 10"
080201-13	680 mg/kg	1 mg/kg	~ 8" to 10 "

4.3 Metals

The last area sampled was collected on the subject property in the northwestern corner between the back of the Fabrication building and the fence line. RJ Lee Group analyzed samples 080201-08 and 080201-09 for metals in bulk. The soil in this section of the plant is unconsolidated to consolidated material (reddish brown in color) with little to no vegetation. Sample 080201-08 was taken at a depth of approximately eight (8) to twelve (12) inches. The underlying material is an unconsolidated material (dark fine silt). The sample area of 080201-09 consisted of a top layer is unconsolidated (blackish silt) material which changes at a depth of approximately three (3) to four (4) inches to a consolidated material (brownish-red in color). The sample depth was approximately six (6) to eight (8) inches. The soil at the eight- (8) inch depth displayed various metal shavings. Photographs thirteen (13), five (5), and seven- (7) show that vegetation grows everywhere in this area except in the two noted sections. See Figure I – Plant Property-Buildings-Fences-R.R. Tracks – Hazardous Waste Storage Areas – Substations (Drawing No. L-640) for sample locations. See attach Laboratory report.

RJ Lee Group utilized EPA Solid Waste Method 846-6010B (ICP) / 7471 (MCV-hg) to analyze the samples. The table below shows results:

Element	Sample Concentration	Sample Concentration	Detection Limit
	Parts per Million 080201-08	Parts per Million 080201-09	Parts per Million
Antimony	2.45	26.9	2.3
Aluminum	**11,700**	**822**	1.5
Arsenic	23.5	44.3	2.3
Barium	212	117	0.77
Beryllium	**1,000**	< 0.089	0.077
Bismuth	8.08	57.5	1.5

Boron	7.24	6.88	0.77
Cadmium	6.08	20.3	0.77
Calcium	**8,570**	496	0.77
Chromium	75.2	312	2.3
Cobalt	25.2	48.2	0.77
Copper	811	**6,580**	0.77
Iron	**38,300**	**372,000**	2.3
Lead	850	997	1.5
Magnesium	**2,480**	269	0.77
Manganese	**1,290**	**3,260**	0.77
Mercury	0.343	0.565	0.026
Molybdenum	20.9	330	0.77
Nickel	235	**1,060**	0.77
Nickel	571	706	0.77
Phosphorus	788	102	0.77
Potassium	8.02	37.9	2.3
Selenium	1.39	< 0.89	0.77
Silver	< 0.77	52.6	0.77
Sodium	**1,140**	693	0.77
Sulfur	< 1.5	< 1.8	1.5
Titanium	106	201	2.3
Tin	7.53	40.2	0.77
Vanadium	40.8	65.9	0.77
Zinc	485	517	0.77
Zirconium	7.77	14.3	7.7

The highlighted numbers in the above table represent metals in excessive limits to normal and /or background for metals within soil for the northeastern part of the United States according to the US Environmental Protection Agency. Several of these metals are listed on the USEPA Priority Pollution List and Target Analytical Listing.

5.0 Recommendations

RBA would recommend if ownership of the subject property occurs it will be necessary to identify and quantify the extent of contamination within several areas of the facility. This would require additional soil and groundwater sampling as an integral part of a Phase II Environmental site Assessment would involve the development of a sampling plan to locate monitoring wells, drilling, collecting of samples, analysis, and documenting the results. It is estimated the Phase II would include the following:

Plan Development
Drilling Wells
Collecting of Samples
Geologist Time
Report Time
Meetings

Areas of obvious soil contamination based on the surface appearance and sampling completed on August 2, 2001. The obvious areas of concern based on the above results are:

1. Stained area between the Main Floor Fabrication building and the Laboratory showed elevated Total Petroleum Hydrocarbons (TPH) levels by the air distillation tanks.

2. The two stained areas on the northeastern side of the Machine Shop Main Floor. Both of the stained areas is this location show elevated metal results

The last area RBA would recommend further investigation is the sump containment behind the Machine Shop Main Floor.

6.0 Signature Page

Environmental Site Assessment

Reliance Statement

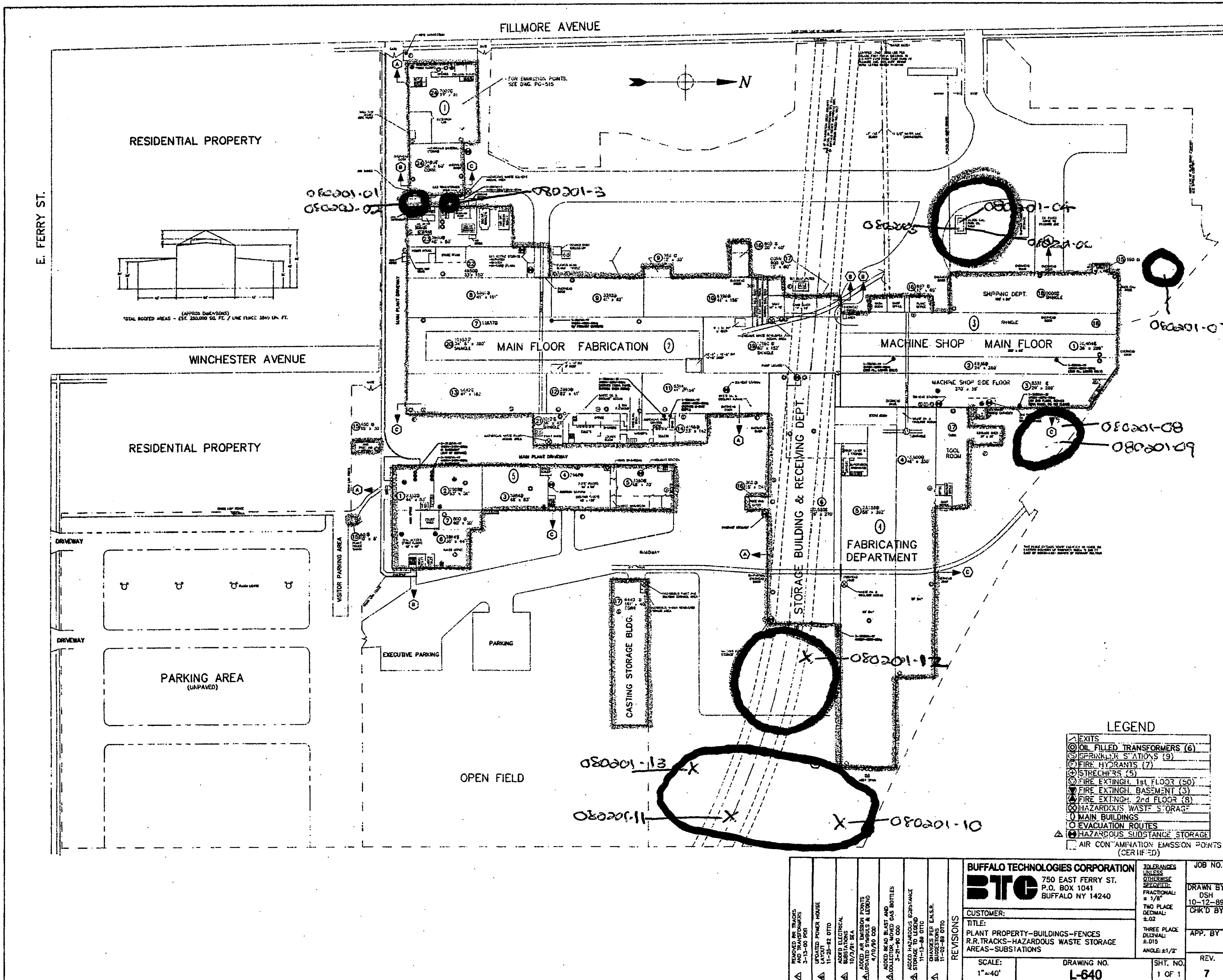
We hereby certify that the this was a limited Phase II Environmental Site Assessment as provided to the Buffalo Technologies Corporation for the previous mentioned property located in the City of Buffalo, New York, was conducted using today's standards in performing such activities. The activities performed in conducting this assessment are similar to the recommended procedures presented in the "Standard Guide for Environmental Property Assessment" developed by the American Society of Testing and Materials (ASTM). In addition, this assessment was conducted and reviewed by knowledgeable and experienced person (s) in performing the project functions.

Terry L. Lancaster

Project Manager – Environmental Engineer

Richard Bui, PE, CIH

President
Richard Bui Associates


FILLMORE AVENUE
E. FERRY ST.
WINCHESTER AVENUE
RESIDENTIAL PROPERTY
RESIDENTIAL PROPERTY
N
MAIN FLOOR FABRICATION
MACHINE SHOP MAIN FLOOR
MACHINE SHOP SIDE FLOOR
SHIPPING DEPT.
TOOL ROOM
STORAGE BUILDING & RECEIVING DEPT.
FABRICATING DEPARTMENT
CASTING STORAGE BLDG.
MAIN PLANT DRIVEWAY
VISITOR PARKING AREA
EXECUTIVE PARKING
PARKING
PARKING AREA
(UNPAVED)
OPEN FIELD
DRIVEWAY
DRIVEWAY
FOR EMMISSION POINTS, SEE DWG. PG-515
080201-01
080201-02
080201-3
080201-04
080201-05
080201-06
080201-07
080201-08
080201-09
080201-10
080201-11
080201-12
080201-13
LEGEND
EXITS
OIL FILLED TRANSFORMERS (6)
SPRINKLER STATIONS (9)
FIRE HYDRANTS (7)
STRECHERS (5)
FIRE EXTINGH. 1st FLOOR (50)
FIRE EXTINGH. BASEMENT (3)
FIRE EXTINGH. 2nd FLOOR (8)
HAZARDOUS WASTE STORAGE
MAIN BUILDINGS
EVACUATION ROUTES
HAZARDOUS SUBSTANCE STORAGE
AIR CONTAMINATION EMISSION POINTS (CERTIFIED)
REVISIONS
REMOVED RR TRACKS AND TRANSFORMERS 3-13-00 PDB
UPDATED POWER HOUSE LAYOUT 11-25-92 OTTO
ADDED ELECTRICAL SUBSTATIONS 10/3/91 SEA
ADDED AIR EMISSION POINTS UPDATED SYMBOLS & LEGEND 4/10/90 COD
ADDED BEAD BLAST AND COLLECTOR, MOVED GAS BOTTLES 3-21-90 COD
ADDED HAZARDOUS SUBSTANCE STORAGE TO LEGEND 11-13-89 OTTO
CHANGES PER E.H.S.R. SUGGESTIONS 11-02-89 OTTO
BUFFALO TECHNOLOGIES CORPORATION
BTC
750 EAST FERRY ST.
P.O. BOX 1041
BUFFALO NY 14240
CUSTOMER:
TITLE:
PLANT PROPERTY-BUILDINGS-FENCES R.R.TRACKS-HAZARDOUS WASTE STORAGE AREAS-SUBSTATIONS
SCALE: 1"=40'
DRAWING NO. L-640
SHT. NO. 1 OF 1
REV. 7
JOB NO.
DRAWN BY DSH 10-12-89
CHK'D BY
APP. BY
TOLERANCES UNLESS OTHERWISE SPECIFIED:
FRACTIONAL: ± 1/8"
TWO PLACE DECIMAL: ±.02
THREE PLACE DECIMAL: ±.015
ANGLE: ±1/2°

RJ Lee *Group,* Inc.

350 Hochberg Road Monroeville, PA 15146
Phone (724) 325-1776 Fax (724) 733-1799

LABORATORY REPORT

Table I

Richard A. Bui & Associates, Inc.
520 Fair Vista Court
Wexford, PA 15090
Attention: Lynn Fox

Phone: (724) 934-8765
FAX: (724) 934-8768

Analysis: Metals in Bulk
Method: EPA SW846-6010B (ICP) / 7471 (MCV-Hg)

RJ Lee Group Job No.:	ORH108113-1
Client Project:	BTC
RJ Lee Group Sample No.:	332955
Client Sample Identification:	080201-08
Sample Received:	3-Aug-01
Report Date:	9-Aug-01
Purchase Order No.:	NA
Sampling Date:	2-Aug-01

	Sample Concentration		Detection Limit
Element	Weight Percent	Parts per Million	Parts per Million
Antimony	0.000245	2.45	2.3
Aluminum	1.17	11,700	1.5
Arsenic	0.00235	23.5	2.3
Barium	0.0212	212	0.77
Beryllium	0.0001000	1.000	0.077
Bismuth	0.000808	8.08	1.5
Boron	0.000724	7.24	0.77
Cadmium	0.000608	6.08	0.77
Calcium	0.857	8,570	0.77
Chromium	0.00752	75.2	2.3
Cobalt	0.00252	25.2	0.77
Copper	0.0811	811	0.77
Iron	3.83	38,300	2.3
Lead	0.0850	850	1.5
Magnesium	0.248	2,480	0.77
Manganese	0.129	1,290	0.77
Mercury	0.0000343	0.343	0.026
Molybdenum	0.00209	20.9	0.77
Nickel	0.0235	235	0.77
Phosphorus	0.0571	571	0.77
Potassium	0.0788	788	0.77
Selenium	0.000802	8.02	2.3
Silver	0.000139	1.39	0.77
Sodium	<0.000077	<0.77	0.77
Sulfur	0.114	1,140	0.77
Thallium	<0.00015	<1.5	1.5
Titanium	0.0106	106	2.3
Tin	0.000753	7.53	0.77
Vanadium	0.00408	40.8	0.77
Zinc	0.0485	485	0.77
Zirconium	0.000777	7.77	7.7

S. Paul Cohen, Laboratory Manager ☐
Brandon J. Miller, Assistant Scientist ☐
Ryan B. Walters, Assistant Scientist ☐
Kimberly S. DiNatale, Scientist ☑
Philip Grindle, Supervisor ☐
Melisa Varner, Assistant Scientist ☐
Alan M. Levine, Manager ☐

Please direct inquiries to Brandon J. Miller in Client Services.

Authorized Signature _____

Date 8/9/01

RJ Lee *Group,* Inc.

350 Hochberg Road Monroeville, PA 15146
Phone (724) 325-1776 Fax (724) 733-1799

LABORATORY REPORT

Table II

Richard A. Bui & Associates, Inc.
520 Fair Vista Court
Wexford, PA 15090
Attention: Lynn Fox

Phone: (724) 934-8765
FAX: (724) 934-8768

RJ Lee Group Job No.:	ORH108113-1
Client Project:	BTC
RJ Lee Group Sample No.:	332956
Client Sample Identification:	080201-09
Sample Received:	3-Aug-01
Report Date:	9-Aug-01
Purchase Order No.:	NA
Sampling Date:	2-Aug-01

Analysis: Metals in Bulk
Method: EPA SW846-6010B (ICP) / 7471 (MCV-Hg)

	Sample Concentration		Detection Limit
Element	Weight Percent	Parts per Million	Parts per Million
Antimony	0.00269	26.9	2.7
Aluminum	0.0822	822	1.8
Arsenic	0.00443	44.3	2.7
Barium	0.0117	117	0.89
Beryllium	<0.0000089	<0.089	0.089
Bismuth	0.00575	57.5	0.89
Boron	0.000688	6.88	0.89
Cadmium	0.00203	20.3	0.89
Calcium	0.0496	496	0.89
Chromium	0.0312	312	2.7
Cobalt	0.00482	48.2	0.89
Copper	0.658	6,580	0.89
Iron	37.2	372,000	2.7
Lead	0.0997	997	1.8
Magnesium	0.0269	269	0.89
Manganese	0.326	3,260	0.89
Mercury	0.0000565	0.565	0.020
Molybdenum	0.0330	330	0.89
Nickel	0.106	1,060	0.89
Phosphorus	0.0706	706	0.89
Potassium	0.0102	102	0.89
Selenium	0.00379	37.9	2.7
Silver	<0.000089	<0.89	0.89
Sodium	0.00526	52.6	0.89
Sulfur	0.0693	693	0.89
Thallium	<0.00018	<1.8	1.8
Titanium	0.0201	201	2.7
Tin	0.00402	40.2	0.89
Vanadium	0.00659	65.9	0.89
Zinc	0.0517	517	0.89
Zirconium	0.00143	14.3	2.7

S. Paul Cohen, Laboratory Manager ☐
Brandon J. Miller, Assistant Scientist ☐
Ryan B. Walters, Assistant Scientist ☐
Kimberly S. DiNatale, Scientist ☐
Philip Grindle, Supervisor ☐
Melisa Varner, Assistant Scientist ☐
Alan M. Levine, Manager ☐

Please direct inquiries to Brandon J. Miller in Client Services.

Authorized Signature

Date 8/9/01

RJ LeeGroup, Inc.

ORH108113-1

Request for Laboratory Services

Shaded Areas For RJ Lee Group Use	Page ___ of ___
Project No.	
Batch No.	
Client No.	
Date Logged In	By

Purchase Order No. | Client Job. No. BTC

Report Results To

Name LYNN FOX | Title: President
Company Richard Bui Associates | Dept.
Street Address 520 Fair Vista Center
City, State, Zip Wexford PA 15090
Phone No. 724 934 8765 | Fax No. 724 934 8768

Send Invoice To

Name Richard Bui | Title
Company Richard Bui Associates | Dept.
Street Address 520 Fair Vista Center
City, State, Zip Wexford PA 15090
Phone No. 724 934 8765 | Fax No. 724 934 8768

Date & Time Results Requested: (standard TA assumed if left blank; do not use vague terms like ASAP) | Rush Charge Authorized ☐

Special Instructions: | (complete if applicable) Drinking Water ? ☐ State in which collected

Analyses Requested (Enter an "X" in the box below to indicate request.)

Client Sample Identification	Date Sampled	Matrix / Media	Sampling Time (min)	Area / Volume (specify units)	Preservatives	Temperature	pH	THC	PCBs	Metals (8 RCRA + Ni, Sb, Be)	For Lab Use Only
080201-01	8/2/01	Solid							X		0332948
080201-02	8/2/01	Solid							X		
080201-03	8/2/01	Solid						X			
080201-04	8/2/01	Solid						X			
080201-05	8/2/01	Solid						X			
080201-06	8/2/01	Solid						X			
080201-07	8/2/01	Solid						X			
080201-08	8/2/01	Solid							X		
080201-09	8/2/01	Solid							X		
080201-10	8/2/01	Solid						X			
080201-11	8/2/01	Solid						X			0332960
080201-12	8/2/01	Solid						X			
080201-13	8/2/01	Solid									

Chain of Custody

Relinquished by: [signature] | Date/Time 8/3/01 1:25
Method of Shipment: Hand Delivery
Relinquished by: | Date/Time
Method of Shipment:

Received by: [signature] | Date/Time 8/3/01 1435
Sample Condition Upon Receipt: Acceptable ☒ | Other (explain on reverse) ☐
Received at Lab by: | Date/Time
Sample Condition Upon Receipt: Acceptable ☐ | Other (explain on reverse) ☐

Comments (continue on back of sheet, if necessary):

Please return completed form to one of the following RJ Lee Group labs:

350 Hochberg Road	530 McCormick Street	10503 Battleview Pky
Monroeville, PA 15146	San Leandro, CA 94577	Manassas, VA 20109
(724) 325-1776 Voice	(510) 567-0480 Voice	(703) 368-7880 Voice
(724) 733-1799 Fax	(510) 567-0488 Fax	(703) 368-7761 Fax

RJ Lee *Group*, Inc.

350 Hochberg Road Monroeville, PA 15146
Phone (724) 325-1776 Fax (724) 733-1799

LABORATORY REPORT

Richard A. Bui Associates
320 Four Vista Center
Wexford, PA 15090
Attention: Lynn Fox
724-934-8765 FAX 724-934-8768

RJ Lee Group Job No.: ORH108113
Samples Received: 3-Aug-01
Report Date: 10-Aug-01
Client Project: BTC
Purchase Order No.: N/A

Analysis: TPH Total Petroleum Hydrocarbons
Method: EPA 8015 Modified

Sample Identification		TPH Concentration	QUANTITATION LIMIT
Client	RJ Lee Group	mg/kg	mg/kg
080201-03	332950	4990	1
080201-04	332951	340	1
080201-05	332952	256	1
080201-06	332953	157	1
080201-07	332954	187	1
080201-10	332957	142	1
080201-11	332958	149	1
080201-12	332959	852	1
080201-13	332960	680	1

Analyst _____

Date 08/10/01

RJ Lee *Group*, Inc.

350 Hochberg Road Monroeville, PA 15146
Phone (724) 325-1776 Fax (724) 733-1799

LABORATORY REPORT

Richard A. Bui Associates
320 Four Vista Center
Wexford, PA 15090
Attention: Lynn Fox
724-934-8765 FAX 724-934-8768
Analysis: PCB'S
Method: EPASW846- 8270 MOD.

RJ Lee Group Job No.: ORH108113
Samples Received: 3-Aug-01
Report Date: 10-Aug-01
Client Project: BTC
Purchase Order No.: N/A

Sample Identification		PCB'S Concentration
Client	RJ Lee Group	(mg/kg)
080201-01	0332948	< 2
080201-02	0332949	< 2

The samples were checked for polychloronated biphenyls which include Arochlors 1232, 1242, 1248, 1254, 1260, 1262 and 1016.

Analyst JMH
Date 8/10/01

RJ LeeGroup, Inc.

ORH108113

Request for Laboratory Services

Shaded Areas For RJ Lee Group Use	Page ____ of ____
Project No.	
Batch No.	
Client No.	
Date Logged In	By

Purchase Order No. | Client Job. No. BTC

Report Results To

Name LYNN FOX | Title: President
Company Richard Bui Associates | Dept.
Street Address 320 Fair Vista Center
City, State, Zip Wexford PA. 15090
Phone No. 724 934 8765 | Fax No. 724 934 8768

Send Invoice To

Name Richard Bui | Title
Company Richard Bui Associates | Dept.
Street Address 320 Fair Vista Center
City, State, Zip Wexford PA. 15090
Phone No. 724 934 8765 | Fax No. 724-934-8768

Date & Time Results Requested | Rush Charge Authorized ☐
(standard TA assumed if left blank; do not use vague terms like ASAP)

Special Instructions:

(complete if applicable)
Drinking Water ? ☐
State in which collected

Analyses Requested
(Enter an "X" in the box below to indicate request.)

Client Sample Identification	Date Sampled	Matrix / Media	Sampling Time (min)	Area / Volume (specify units)	Preservatives	Temperature	pH		THC	PCBs	Metals (Sb, Ag, Hg)				For Lab Use Only
080201-01	8/2/01	Solid								X					0332948
080202-02	8/2/01	Solid								X					
080201-03	8/2/01	Solid							X						
080201-04	8/2/01	Solid							X						
080201-05	8/2/01	Solid							X						
080201-06	8/2/01	Solid							X						
080201-07	8/2/01	Solid							X						
080201-08	8/2/01	Solid									X				
080201-09	8/2/01	Solid									X				
080201-10	8/2/01	Solid							X						
080201-11	8/2/01	Solid							X						0332960
080201-12	8/2/01	Solid							X						
080201-13	8/2/01	Solid													

Chain of Custody

Relinquished by: [signature] | Date/Time 8/3/01 1:25
Method of Shipment: Hand Delivery
Relinquished by: | Date/Time
Method of Shipment:

Received by: [signature] | Date/Time 8/3/01 1435
Sample Condition Upon Receipt: Acceptable ☒ | Other (explain on reverse) ☐
Received at Lab by: | Date/Time
Sample Condition Upon Receipt: Acceptable ☐ | Other (explain on reverse) ☐

Comments (continue on back of sheet, if necessary):

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530 McCormick Street
San Leandro, CA 94577
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(510) 567-0488 Fax

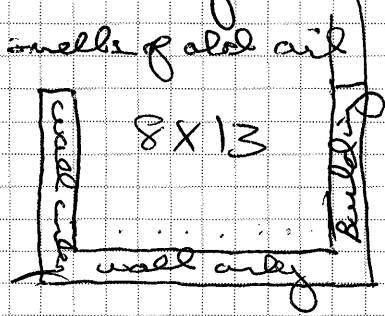
10503 Battleview Pky
Manassas, VA 20109
(703) 368 - 7880 Voice
(703) 368 - 7761 Fax

1250 George Street, East Liverpool, Ohio 43920
Telephone (330) 385-7336, Telefax (330) 385-7813

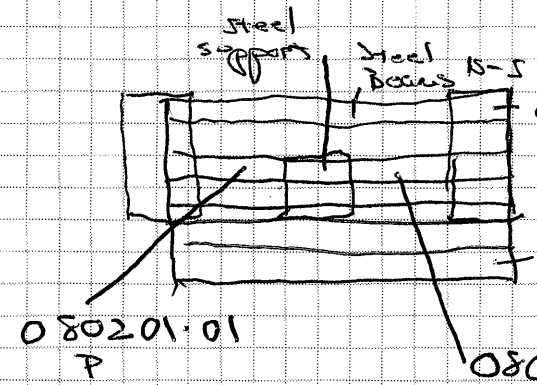
SUBJECT Buffalo Technology DATE 2 Aug 01

BY tl PAGE 1 OF 7

① Sample - South west side of Plant
Between Lab Test Building &
old Transformers - Site 17 on plot plan
smells of old oil



steel structure roughly 10' above ground where transformers use to sit on



PCB's

approximately 3 to 5 inches dirt/gravel mixture on top of concrete slab

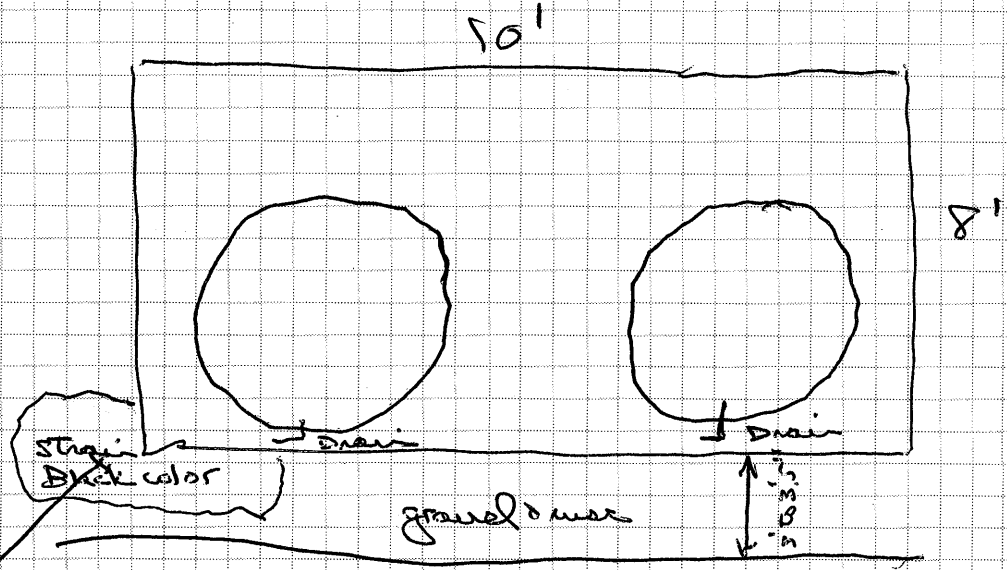
VonRoll WTI

1250 George Street, East Liverpool, Ohio 43920
Telephone (330) 385-7336, Telefax (330) 385-7813

SUBJECT Buffalo Technologies DATE 2 Aug 01

BY TI PAGE 2 OF 7

(3) Sample - Air distillation tanks roughly 5' north of old transformers



080201-03

Lab Test Building

THC

oil product from settlement in tanks

Sample taken 10" in depth

try get as much soil as possible

1250 George Street, East Liverpool, Ohio 43920
Telephone (330) 385-7336, Telefax (330) 385-7813

SUBJECT Buffalo Technologies DATE 2 Aug 01

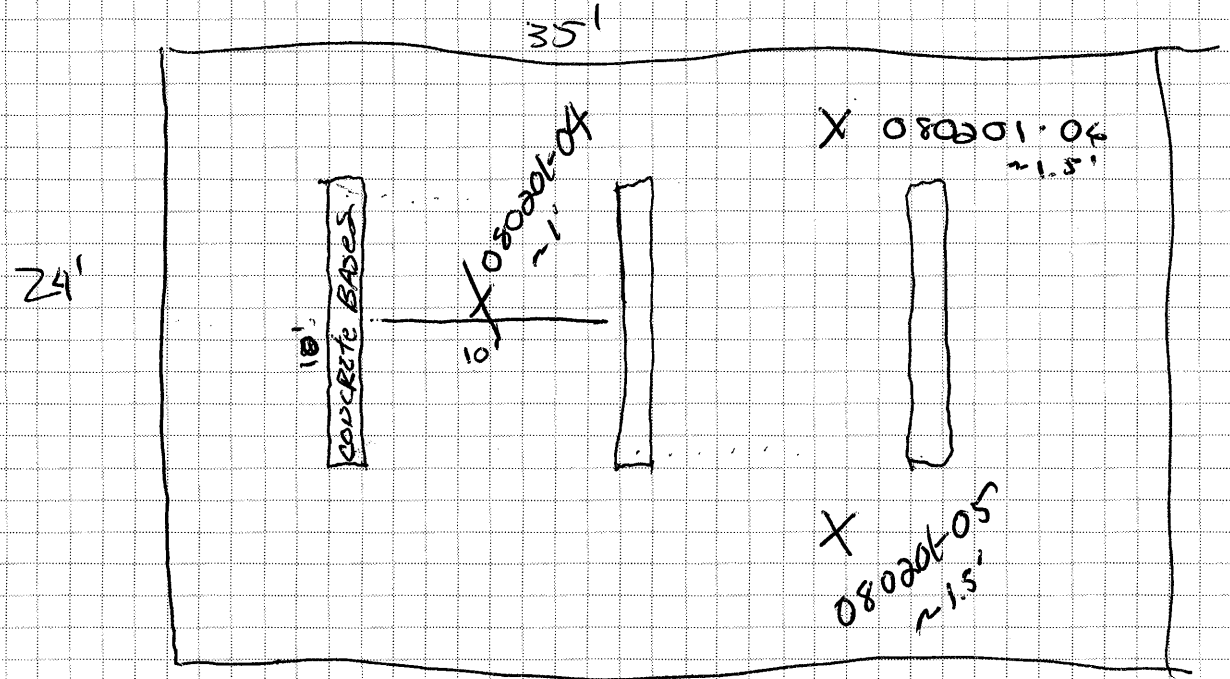
BY TI PAGE 3 OF 7

(3) Photo 24

Old AGST - removed 1994

Excavated earthen berm which was roughly 3/4' high, used clean material as fill in other places

Soil directly underneath; black fine silt in color



Sample 080201-04 THC
080201-05 THC
080201-06 THC

vonRoll WTI

1250 George Street, East Liverpool, Ohio 43920
Telephone (330) 385-7336, Telefax (330) 385-7813

SUBJECT Buffalo Technology DATE 02 Aug 01

BY TI PAGE 4 OF 7

@ North Side property along fence line large area

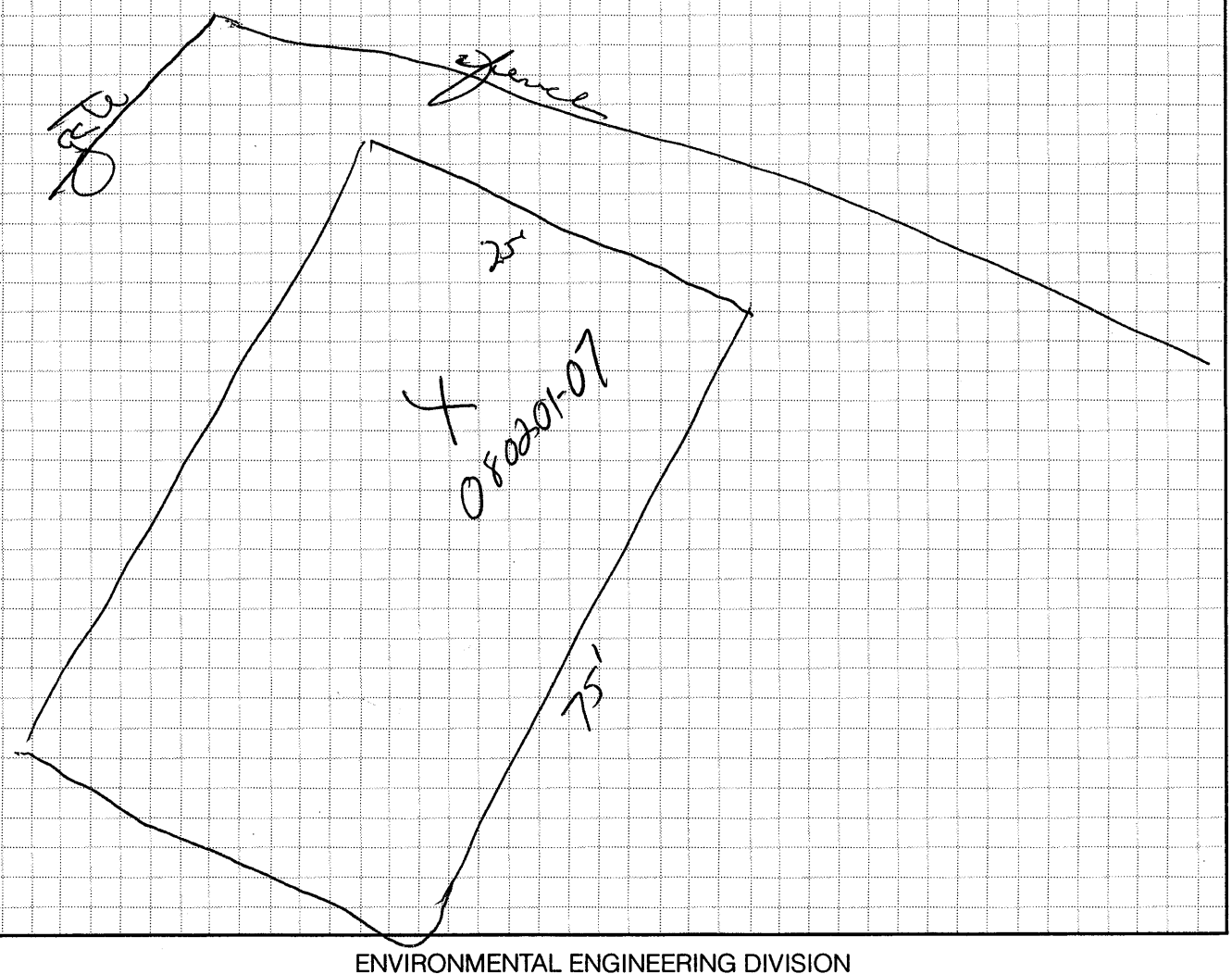
25' X 75'

sparse vegetation - soil dark silt

080201-07

2" to 3" dark silt

bit brown dirt



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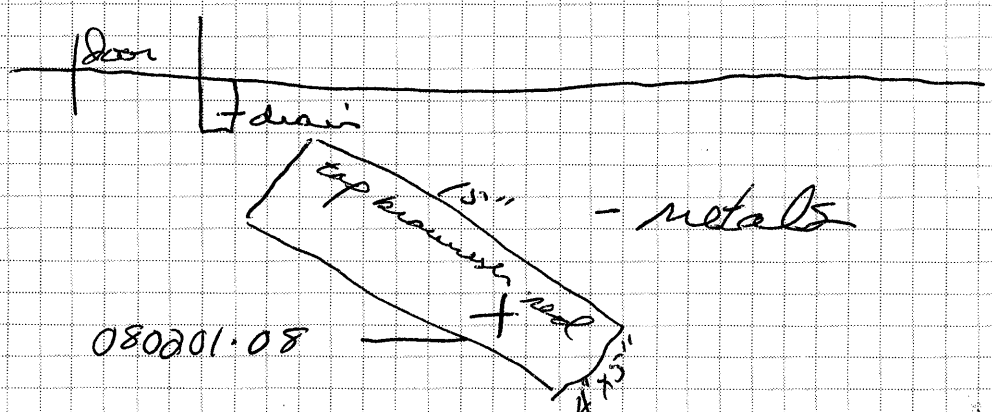
SUBJECT Buffalo Technology DATE 02 Aug 01

BY TL PAGE 5 OF 7

(5) Northeastern Corner along fence line beyond fence RR tracks vegetation everywhere but (2) spots

① directly outside door - brownish - reddish colored earth 080201-05 ~8"-12" five inches down turns dark silt 15' X 4' to 5'



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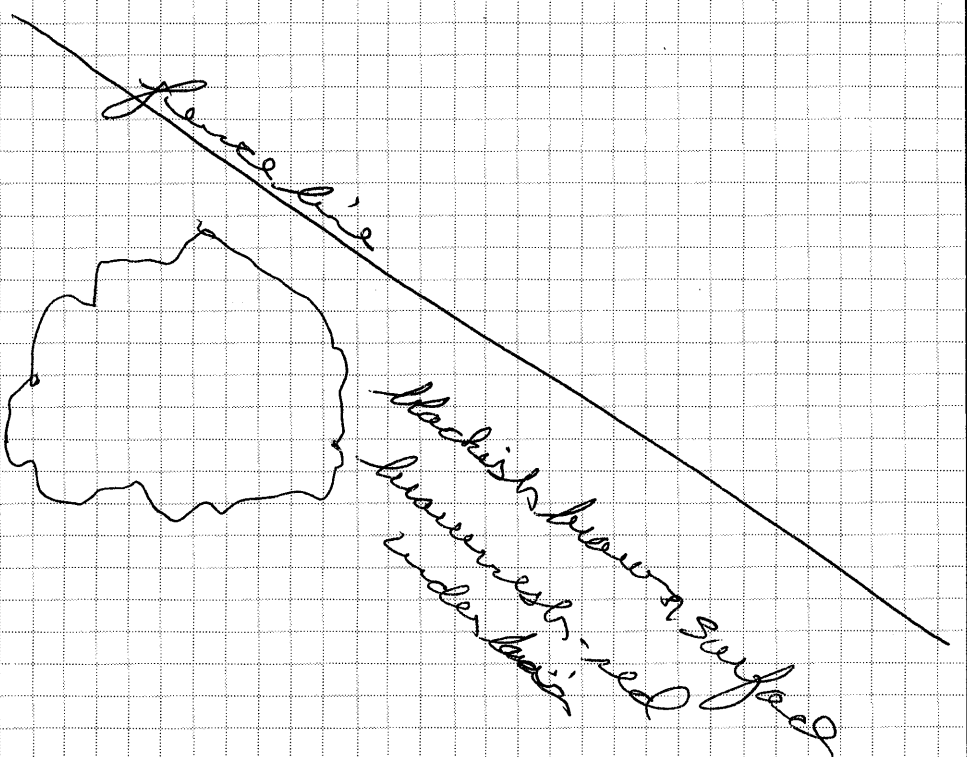
SUBJECT Buffalo Technologies DATE 2 Aug 01

BY TI PAGE 6 OF 7

(6) Large brownish-red spot w/ no vegetation in the ~~east~~ north corner behind Machine Shop - 080201-09 went ~ 6" to 8" down deeper I go the large the metal shavings ~ 10' X 10'



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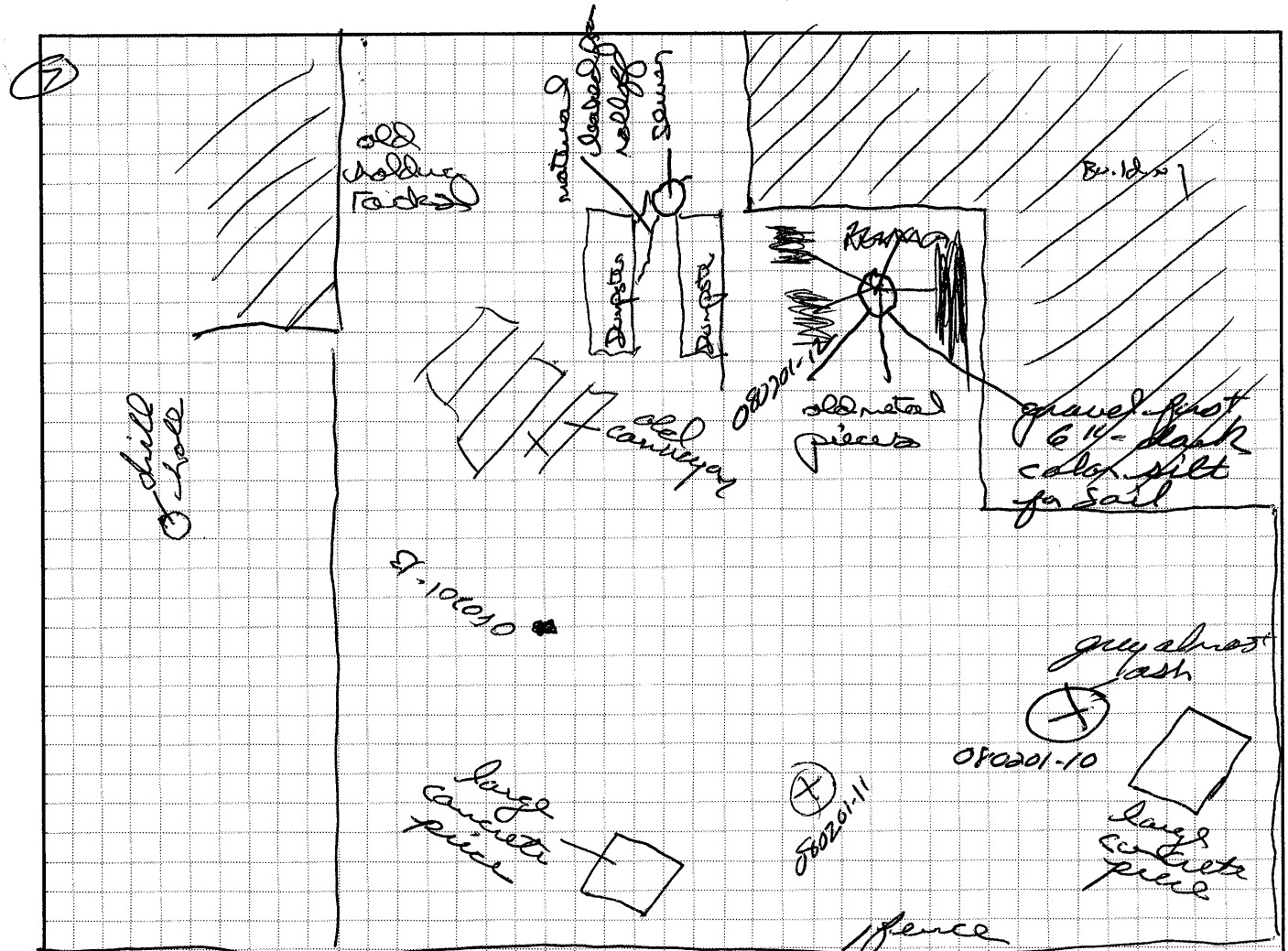
BY H PAGE 7 OF 7



080201-10 8" to 10"

080201-11 10" to 12"

080201-12

080201-13

area has vegetation growing