



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Site Classification Report



6/14/2010

Site Code: 828122	Site Name: Barthelmes Manufacturing Site
City: Rochester	Town: Rochester (c)
Region: 8	County: Monroe
Current Classification: P	Proposed Classification: 02
Estimated Size (acres): 9.20	Extra Details: Structure, Pond
Significant Threat: Unknown	Site Type:
Priority ranking Score:	Project Manager: Todd Caffoe

Summary of Approvals

Originator/Supervisor: Bart Putzig	04/07/2010
RHWRE: Bart Putzig:	04/07/2010
BEEI of NYSDOH:	05/24/2010
CO Bureau Director: Robert Knizek, Director, BURE:	05/13/2010
Assistant Division Director: Sal Ervolina:	5/20/2010 12:00:00AM

Site Description

The Barthelmes Manufacturing Company property consists of 3 tax parcels totalling approximately 9.2 acres. The site is located in an industrial area and it is bordered by a junkyard, a former major oil storage facility (MOSF), and a railroad. Barthelmes, a metal finishing facility, has occupied the site since 1921. Current and previous site operations include, machining, metal plating, and degreasing operations.

On-site investigations have been completed on the related BCP Site by the same name with site # C828122. Sample data indicate a source of chlorinated solvents beneath the building. Groundwater, soils, and indoor air at the facility have been impacted by chlorinated solvents. The brownfield cleanup agreement was terminated due to lack of funding by the responsible party.

Off-site investigation is required to determine the nature and extent of groundwater contamination.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
OU 01	
TRICHLOROETHENE (TCE)	
CADMIUM	
CHROMIUM	
DICHLOROETHYLENE	
VINYL CHLORIDE	
TETRACHLOROETHYLENE (PCE)	



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Site Classification Report



6/14/2010

Site Code: 828122

Site Name: Barthelmes Manufacturing Site

Analytical Data Available for : Groundwater, Soil, Sediment, Indoor Air

Applicable Standards Exceeded for: Groundwater, Soil

Site Environmental Assessment

Environmental investigations conducted to date, have identified a former drum storage area, a former vapor degreaser and paint spray booth discharge as source areas of contamination. On-site soils are contaminated with: heavy metals (lead (ND - 366 ppm), cadmium (ND - 56.9 ppm), chromium (ND - 299 ppm), silver (ND - 6.59 ppm), and barium (ND - 11,100 ppm); trichloroethylene (TCE) (ND - 10.3 ppm); and several PAHs. Sediments in an on-site stormwater pond have elevated levels of chromium at 161 ppm. Groundwater data show TCE and its breakdown products as the primary contaminants. Total VOCs in groundwater are as high as 15 ppm in the source areas and vinyl chloride concentrations are as high as 5.7 ppm. Sub-slab soil vapor samples for TCE range from 23 to 64,000 ug/m³ and indoor air sample results for TCE range from 7 to 33 ug/m³.

Investigation data to date indicates a source of TCE and breakdown chemicals beneath the building that requires remediation. Sub-slab mitigation of the on-site building will be required as part of the final site cleanup. Off-site groundwater investigation is required to determine the nature and extent of contamination.

Site Health Assessment

People are not likely to come into contact with contaminated on-site soils because buildings and pavement cover the site. Public water serves the area; therefore, people are not drinking the contaminated groundwater. Inhalation of VOCs from contaminated groundwater could occur via soil vapor intrusion into the indoor air of the on-site building and overlying structures off-site. NYSDOH and NYSDEC will conduct additional investigations to determine the potential for soil vapor intrusion into structures near the site.

Remedy Description and Cost

Remedy Description for Operable Unit 01

Total Cost

OU

Site Management Plan Approval:

Status:



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
Site Classification Report



6/14/2010

Site Code: 828122

Site Name: Barthelmes Manufacturing Site

Basis for Classification Change

Metal finishing operations have been conducted at this site since 1921. Groundwater standards are exceeded by 4 orders of magnitude for chlorinated solvents and appear to be migrating off-site. Soil contamination exceeds groundwater protection numbers by two orders of magnitude. Indoor air has been impacted by site-related contamination and mitigation is required. Based upon these data a consequential amount of hazardous waste has been disposed. The continued uncontrolled release of contaminants from soils to groundwater and indoor air constitute a significant threat to public health and the environment.



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF ENVIRONMENTAL REMEDIATION
 Site Classification Report



4/7/2010

Site Code: 828122 **Site Name:** Barthlemes Manufacturing Site
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Region: 8 **County:** Monroe
Current Classification: P **Proposed Classification:** 02
Estimated Size (acres): 9.20 **Extra Details:** Structure, Pond
Significant Threat: Unknown **Site Type:**
Priority ranking Score: **Project Manager:** Todd Caffoe

[Handwritten signature of Todd Caffoe]

Summary of Approvals

Originator/Supervisor: Bart Putzig

[Handwritten signature of Bart Putzig]

Regional Hazardous Waste Remedial Engineer: Bart Putzig:

BEEI of NYSDOH:

CO Bureau Director: Robert Knizek, Director, BURE:

Assistant Division Director: Sal Ervolina:

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Contaminants of Concern (Including Materials Disposed) Quantity Disposed

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4/7/2010

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Remedy Description for Operable Unit 01

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OU

Site Management Plan Approval:

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4/7/2010

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APPENDIX 2-1: SSF SITE CLASSIFICATION WORKSHEET



Site Name: Barthelmes Manufacturing Company, Inc. Site ID No. 828122

City/Town: Rochester County: Monroe

1. Has remediation been completed in accordance with a ROD including properly addressing institutional controls (ICs)?	<input type="checkbox"/> Yes (go to 7)	<input checked="" type="checkbox"/> No (go to 2)	
2. Has hazardous waste as defined in ECL §27-1301.1 been disposed at the Site?	<input checked="" type="checkbox"/> Yes (go to 3)	<input type="checkbox"/> No (stop)	<input type="checkbox"/> Unsure (go to 11)
3. Does the Site present a current or reasonably foreseeable significant threat to public health or the environment (complete Significant Threat Determination Worksheet)?	<input checked="" type="checkbox"/> Yes (go to 4)	<input type="checkbox"/> No (go to 6)	<input type="checkbox"/> Unsure (go to 11)
4. Is the significant threat causing or presenting an imminent danger of causing irreversible or irreparable damage to public health or the environment?	<input type="checkbox"/> Yes (Class 1)	<input checked="" type="checkbox"/> No (go to 5)	<input type="checkbox"/> Unsure (stop)
5. Is the Site presenting a significant but not imminent threat to public health or the environment?	<input checked="" type="checkbox"/> Yes (Class 2)	<input type="checkbox"/> No (reevaluate)	
6. Has hazardous waste been disposed but it does not present a significant threat to public health or the environment and the site is suitable for placement on the Registry?	<input type="checkbox"/> Yes (Class 3)	<input type="checkbox"/> No (go to 10)	
7. Is the site properly remediated but still requires continued active site management to maintain/achieve protectiveness?	<input type="checkbox"/> Yes (Class 4)	<input type="checkbox"/> No (go to 8)	<input type="checkbox"/> Unsure (stop)
8. Is the site properly remediated, does not require continued active site management, but is not suitable for delisting or a required IC is not yet in place?	<input type="checkbox"/> Yes (Class 5)	<input type="checkbox"/> No (go to 9)	<input type="checkbox"/> Unsure (stop)
9. Is the site properly remediated, required ICs are in place, the site does not require continued active site management, and is suitable for delisting?	<input type="checkbox"/> Yes (Class: C)	<input type="checkbox"/> No (go to 10)	<input type="checkbox"/> Unsure (stop)
10. Based upon investigation, is the degree of contamination such that the Site does not qualify to be placed on the Registry and that additional remedial work is not anticipated at this time?	<input type="checkbox"/> Yes (Class: N)	<input type="checkbox"/> No (reevaluate)	<input type="checkbox"/> Unsure (stop)
11. Does insufficient information exist to properly classify the site?	<input type="checkbox"/> Yes (Class P)	<input type="checkbox"/> No (reevaluate)	<input type="checkbox"/> Unsure (stop)

Current Classification: P Proposed Classification: 2

Summary of Main Factors Contributing to this Determination: Metal finishing operations have been conducted at this site since 1921. Groundwater standards are exceeded by 4 orders of magnitude for chlorinated solvents and appear to be migrating off-site. Soil contamination exceeds groundwater protection numbers by two orders of magnitude. Indoor air has been impacted by site-related contamination and mitigation is required. Based upon these data a consequential amount of hazardous waste has been disposed. The continued uncontrolled release of contaminants from soils to groundwater and indoor air constitute a significant threat to public health and the environment.

<u>Todd M. Caffoe, P.E.</u> Project Manager Name/Title (Print)	 Project Manager Name (Signature)	<u>03/31/2010</u> Date
<u>Bartholomew H. Putzig, P.E.</u> Bureau Director/RHWRE Name/Title (Print)	 Bureau Director/RHWRE Name (Signature)	<u>03/31/2010</u> Date



APPENDIX 2-2: SIGNIFICANT THREAT DETERMINATION WORKSHEET



State Superfund Program
6 NYCRR 375-2.7

Brownfield Cleanup Program
ECL 27-1411.1(c)

Site Name: Barthelmes Manufacturing Company, Inc. Site ID No. 828122

City/Town: Rochester County: Monroe

1. Has all available and relevant evidence regarding the Site been reviewed and the factors in 375-2.7(a)(3) considered?	<input checked="" type="checkbox"/> Yes (go to 2)	<input type="checkbox"/> No (stop)	<input type="checkbox"/> Unsure (stop)
2. Does Site contamination result in significant adverse impacts (375-2.7(a)(1)) to:			
a. species that are endangered, threatened, or of concern?	<input type="checkbox"/> Yes (go to b)	<input checked="" type="checkbox"/> No (go to b)	<input type="checkbox"/> Unsure (go to b)
b. protected streams, tidal/freshwater wetlands, or significant fish and wildlife habitat?	<input type="checkbox"/> Yes (go to c)	<input checked="" type="checkbox"/> No (go to c)	<input type="checkbox"/> Unsure (go to c)
c. flora or fauna from bioaccumulation or leads to a recommendation to limit consumption?	<input type="checkbox"/> Yes (go to d)	<input checked="" type="checkbox"/> No (go to d)	<input type="checkbox"/> Unsure (go to d)
d. fish, shellfish, crustacea, or wildlife from concentrations that cause adverse/chronic effects?	<input type="checkbox"/> Yes (go to e)	<input checked="" type="checkbox"/> No (go to e)	<input type="checkbox"/> Unsure (go to e)
e. the environment due to a fire, spill, explosion, or reaction that generates toxic gases, vapors, fumes, mists or dusts?	<input type="checkbox"/> Yes (go to f)	<input checked="" type="checkbox"/> No (go to f)	<input type="checkbox"/> Unsure (go to f)
f. areas where individuals or water supplies may be present and NYSDOH has determined there to be a significantly increased risk to public health (including from soil vapor)?	<input checked="" type="checkbox"/> Yes (go to 3)	<input type="checkbox"/> No (go to 3)	<input type="checkbox"/> Unsure (go to 3)
3. Does Site contamination result in significant environmental damage (375-2.7(a)(2))?	<input checked="" type="checkbox"/> Yes (go to 4)	<input type="checkbox"/> No (go to 4)	<input type="checkbox"/> Unsure (stop)
4. If any box in items 2 or 3 have been checked "Yes," the site presents a significant threat to public health or the environment; check here.	Significant threat to: <input checked="" type="checkbox"/> Public Health <input checked="" type="checkbox"/> Environment		
5. If no boxes in items 2 or 3 have been checked "Yes," the site does not present a significant threat to public health or the environment; check here.	<input type="checkbox"/> Not a Significant Threat		

Summary of Main Factors Contributing to this Determination: Metal finishing operations have been conducted at this site since 1921. Groundwater standards are exceeded by 4 orders of magnitude for chlorinated solvents and appear to be migrating off-site. Soil contamination exceeds groundwater protection numbers by two orders of magnitude. Indoor air has been impacted by site-related contamination and mitigation is required. Based upon these data a consequential amount of hazardous waste has been disposed. The continued uncontrolled release of contaminants from soils to groundwater and indoor air constitute a significant threat to public health and the environment.

Todd M. Caffoe, P.E.
 Project Manager Name/Title (Print)


 Project Manager Name (Signature)

03/31/2010
 Date

Bartholomew H. Putzig, P.E.
 Bureau Director/RHWRE Name/Title (Print)


 Bureau Director/RHWRE Name (Signature)

03/31/2010
 Date

Barthelmes Site Location Map

Site ID# 828122

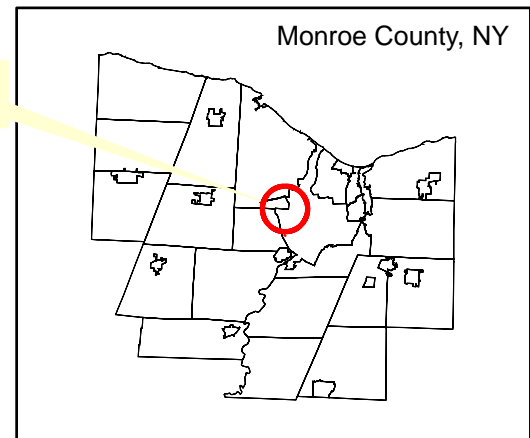


2005 Monroe County Orthoimagery

0 250 500 1,000 1,500 Feet

Site Location

Tax Parcels
120.530-0001-002
120.530-0001-003
120.530-0001-004



Barthelmes Nearby Properties
Rochester(C), Monroe(C)
Site ID# 828122

48 Cairn Street
Nance-Jill LLC
4 Bishops CT
Pittsford, NY, 14534

20 Cairn Street
Filer H Barret
20 Cairn St,
Rochester NY, 14611

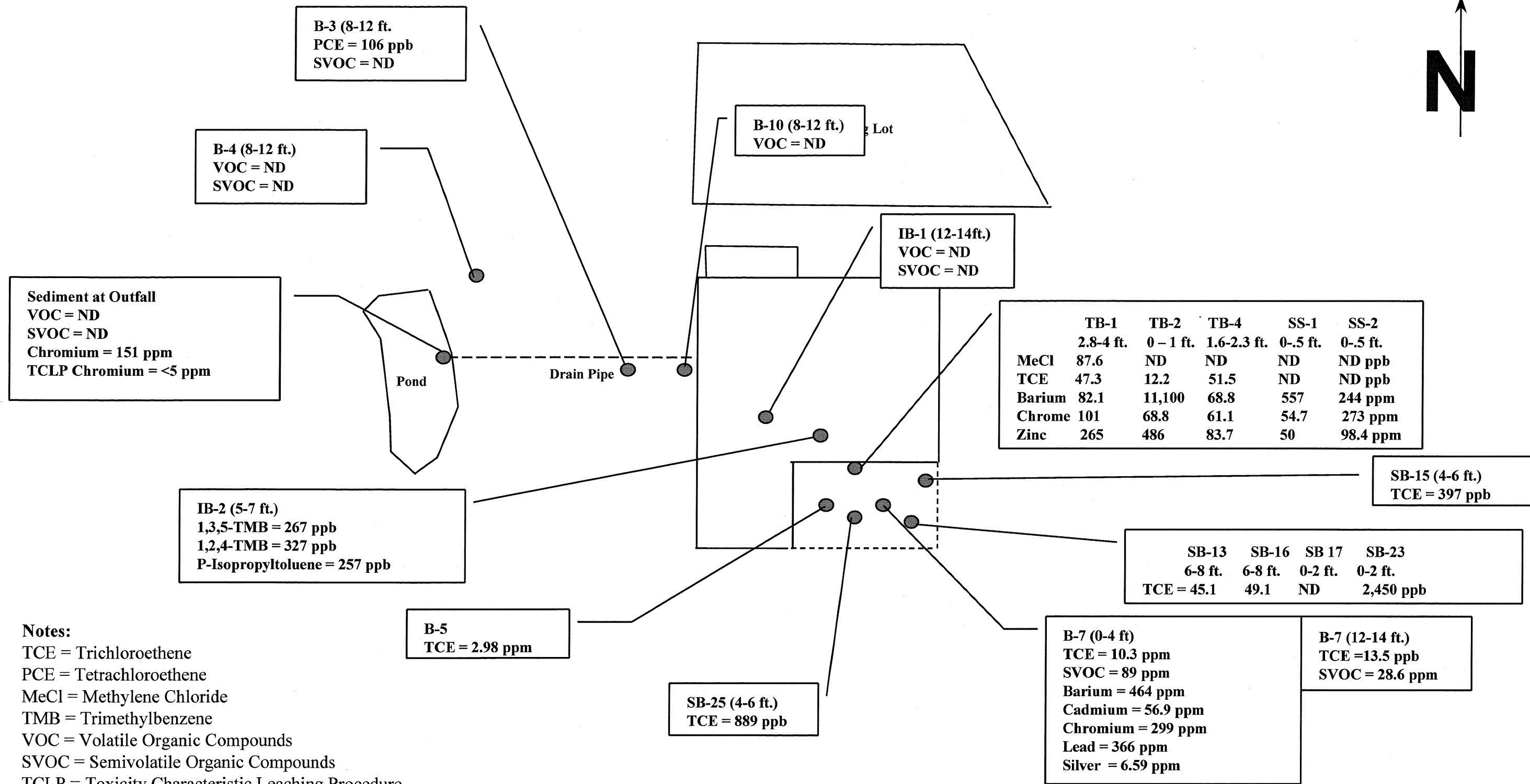
8-10 Cairn Street
Rochester Industrial Center
3 Townline Circle
Rochester, NY, 14623

22 Cairn Street
Kubrich 2000
1785 State Road
Webster, NY 14580

Cairn Street Properties, LLC
11 Cairn Street
Rochester, NY 14611

Pfaudler, Inc.
1000 West Avenue
Rochester, NY 14611

COMIDA West End Business Center
Buckingham Properties
1 South Washington Street – Suite 200
Rochester, NY 14614



Title Summary of LaBella Soil Sample Results
Barthelmes Manufacturing
Rochester, NY

Prepared For Barthelmes Manufacturing
15 Cairn Street
Rochester, NY



Leader Professional Services, Inc
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
FAX (585) 248-2834

Project 555.001

Date 11/06

Drawn By PVS

Checked By MPR

File Name

Figure

5

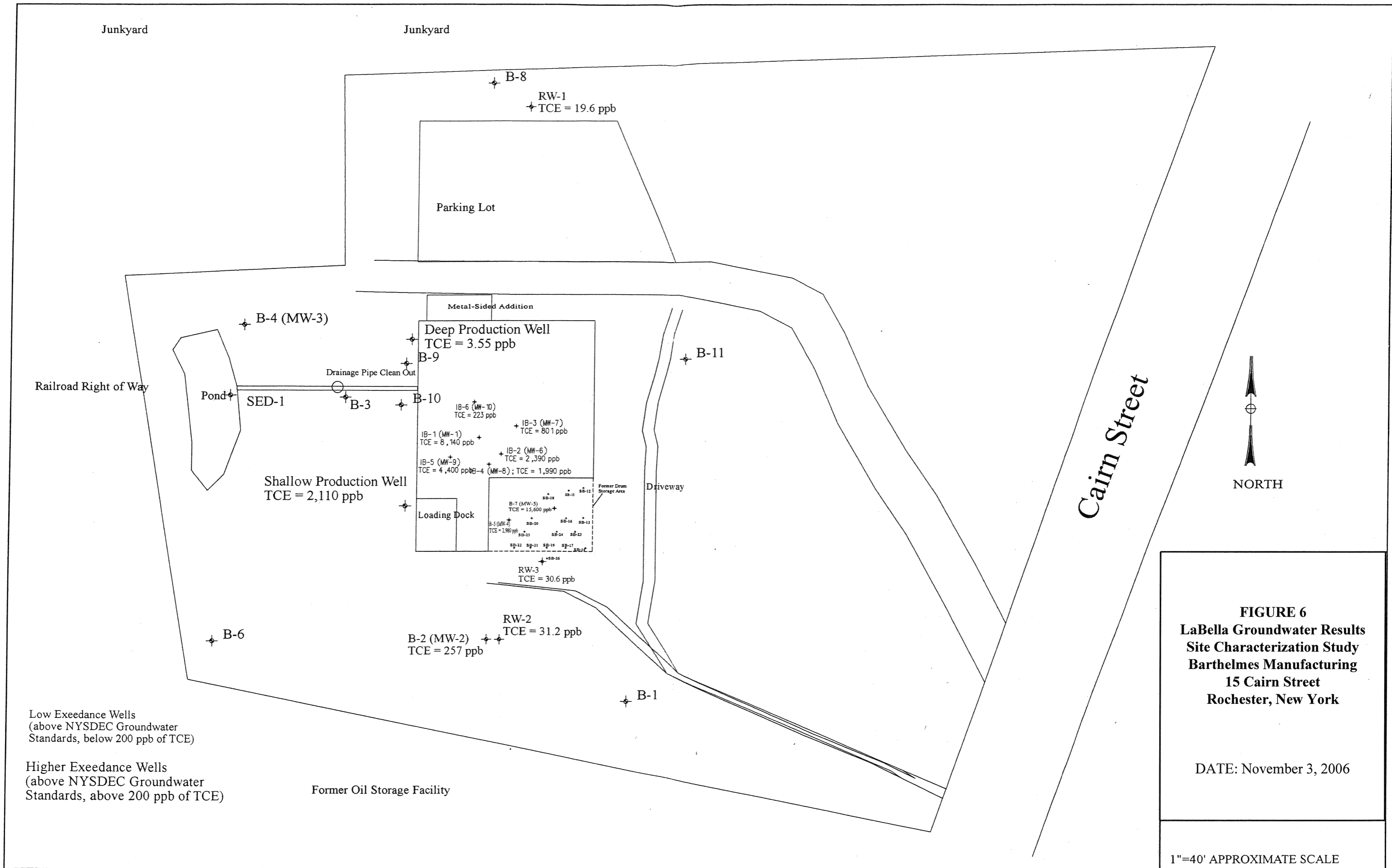


FIGURE 6
LaBella Groundwater Results
Site Characterization Study
Barthelmes Manufacturing
15 Cairn Street
Rochester, New York

DATE: November 3, 2006

1"=40' APPROXIMATE SCALE

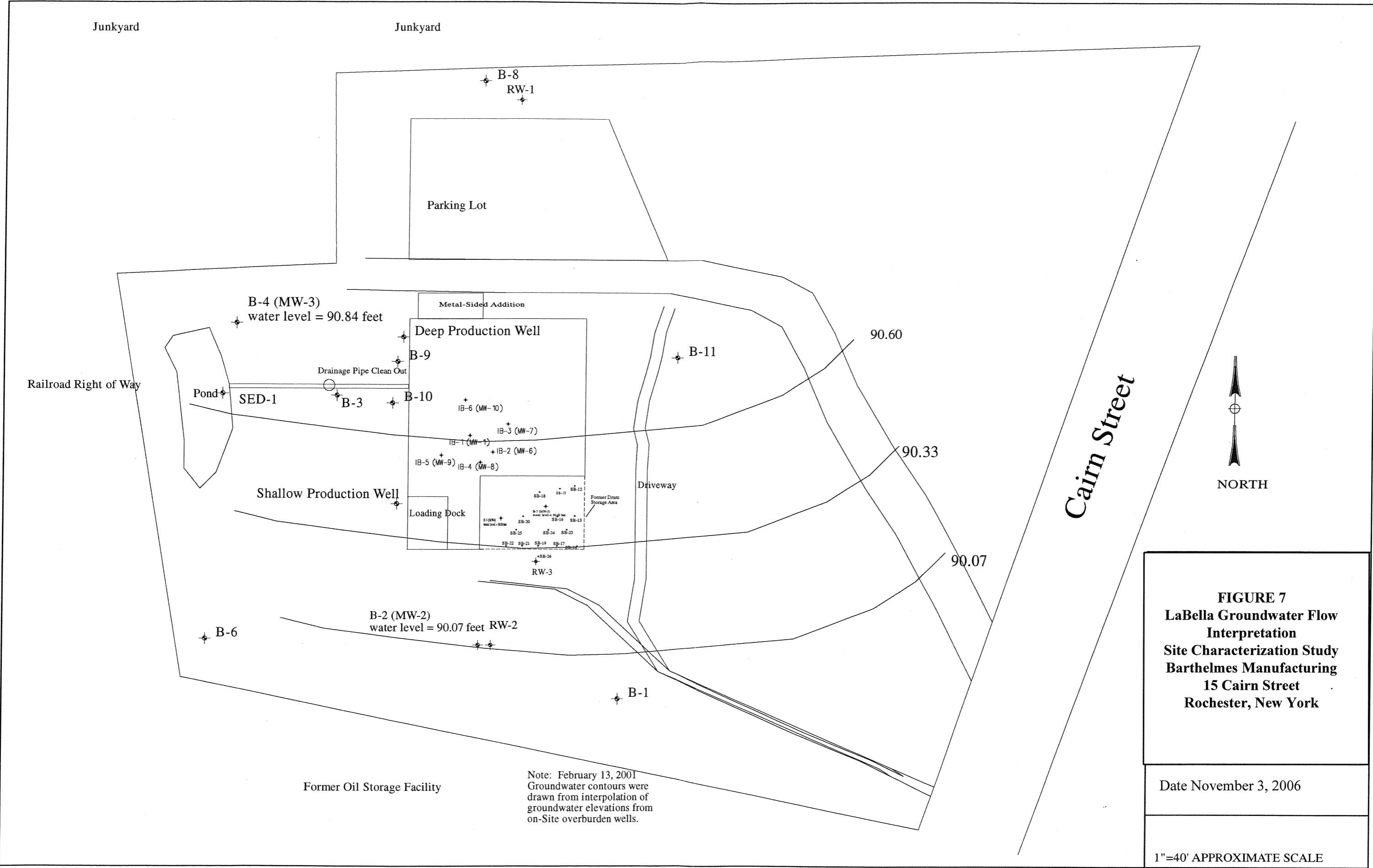


FIGURE 7
LaBella Groundwater Flow
Interpretation
Site Characterization Study
Barthelmes Manufacturing
15 Cairn Street
Rochester, New York

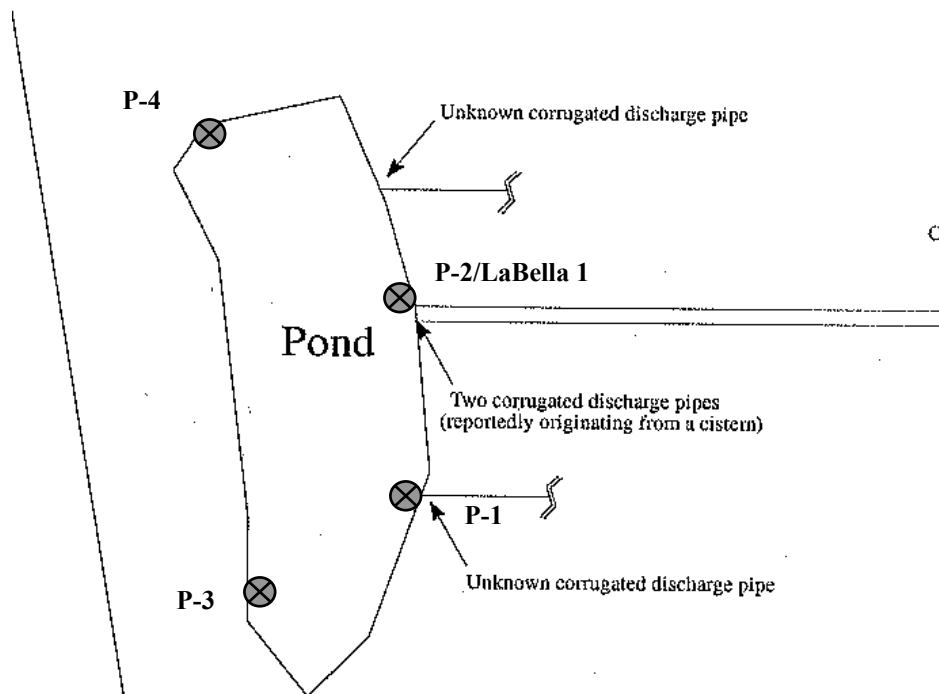
Date November 3, 2006

1"=40' APPROXIMATE SCALE

Note: February 13, 2001
 Groundwater contours were
 drawn from interpolation of
 groundwater elevations from
 on-site overburden wells.



⊗ **Approximate Sediment Sample Location**



Volatile Organic Compounds (ug/Kg)	P-1	P-2	P-3	P-4	LaBella #1
1,4-Dichlorobenzene	4	2	1	2	ND
Acetone	73	80	22	49	ND
Dichlorodifluoromethane	4	6	5	3	ND
p-Cymene	27	ND	11	5	ND
Toluene	130	250	8	5	ND
Metals (mg/Kg)					
Arsenic	ND	ND	ND	ND	1.45
Barium	32.4	61.9	11.9	46.9	90.2
Cadmium	ND	ND	ND	ND	0.905
Chromium	29.4	247	11.5	35.4	151
Lead	ND	38.1	ND	ND	36.5

Title: Storm Water Basin Sample Locations
15 Cairn Street, Rochester, New York

Prepared For: Barthelmes Manufacturing
15 Cairn Street
Rochester, New York



Leader Professional Services
271 Marsh Road-Suite 2
Pittsford, New York 14534
(585) 248-2413
Fax (585) 248-2834

Project: 555.001

Date: 11/06

Scale: Unknown

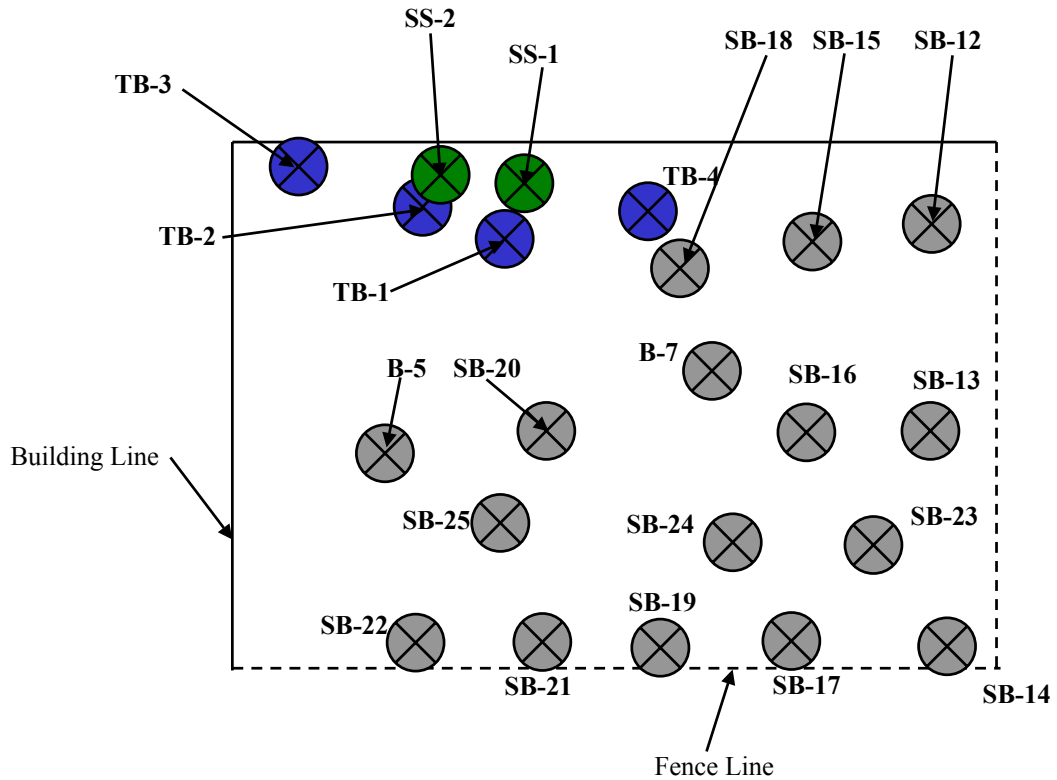
Drawn: PVS




Checked: MPR

File Name: Site Map

Figure

11



-  Surface Soil Sample Location
-  Test Borings
-  Soil Borings and Monitoring Wells

Title: Paint Booth Discharge Sampling
15 Cairn Street, Rochester, New York

Prepared For: Barthelmes Manufacturing
15 Cairn Street
Rochester, New York



Leader Professional Services
271 Marsh Road-Suite 2
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(585) 248-2413
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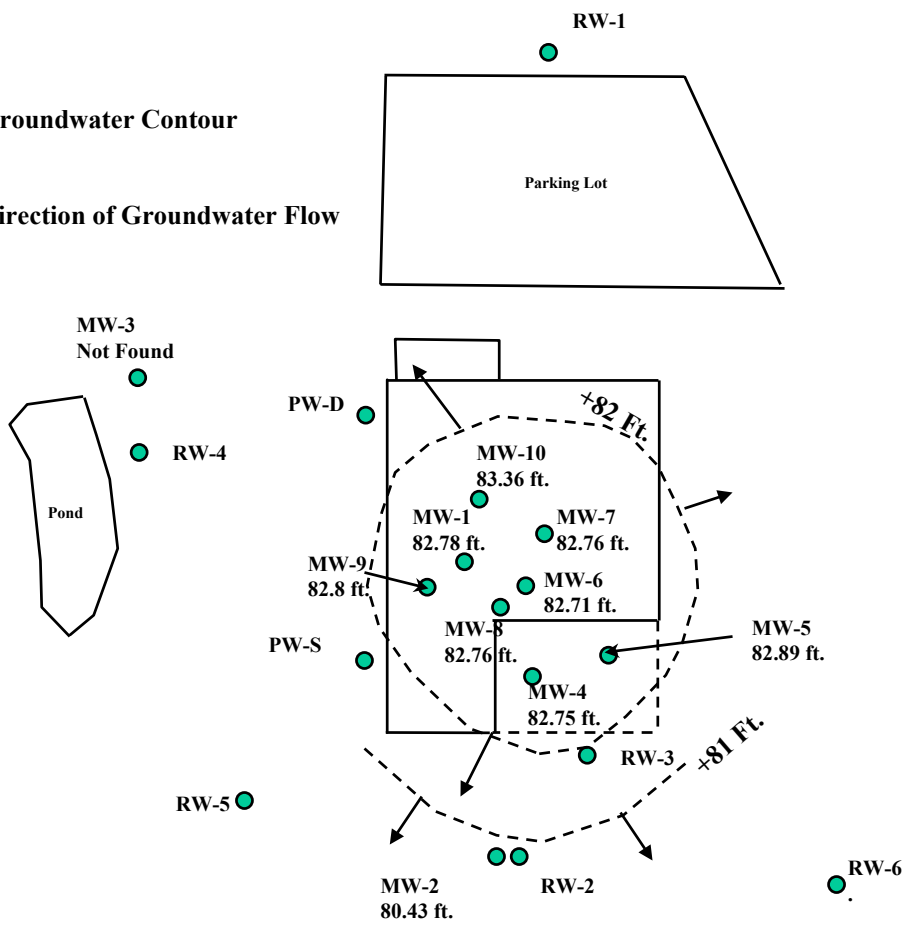
Project: 555.001
Date: 11/06
Scale: Unknown

Drawn: PVS
Checked: MPR
File Name: Site Map

Figure

12

----- Interpreted Groundwater Contour
 → Interpreted Direction of Groundwater Flow



Title
 Overburden Groundwater Contours
 Barthelmes Manufacturing
 Rochester, NY

Prepared For
 Barthelmes Manufacturing
 15 Cairn Street
 Rochester, NY

Leader Professional Services, Inc
 271 Marsh Road-Suite 2
 Pittsford, New York 14534
 (585) 248-2413
 FAX (585) 248-2834

Project

 555.001
 Date

 09/06
 Scale

Drawn

 PVS
 Checked

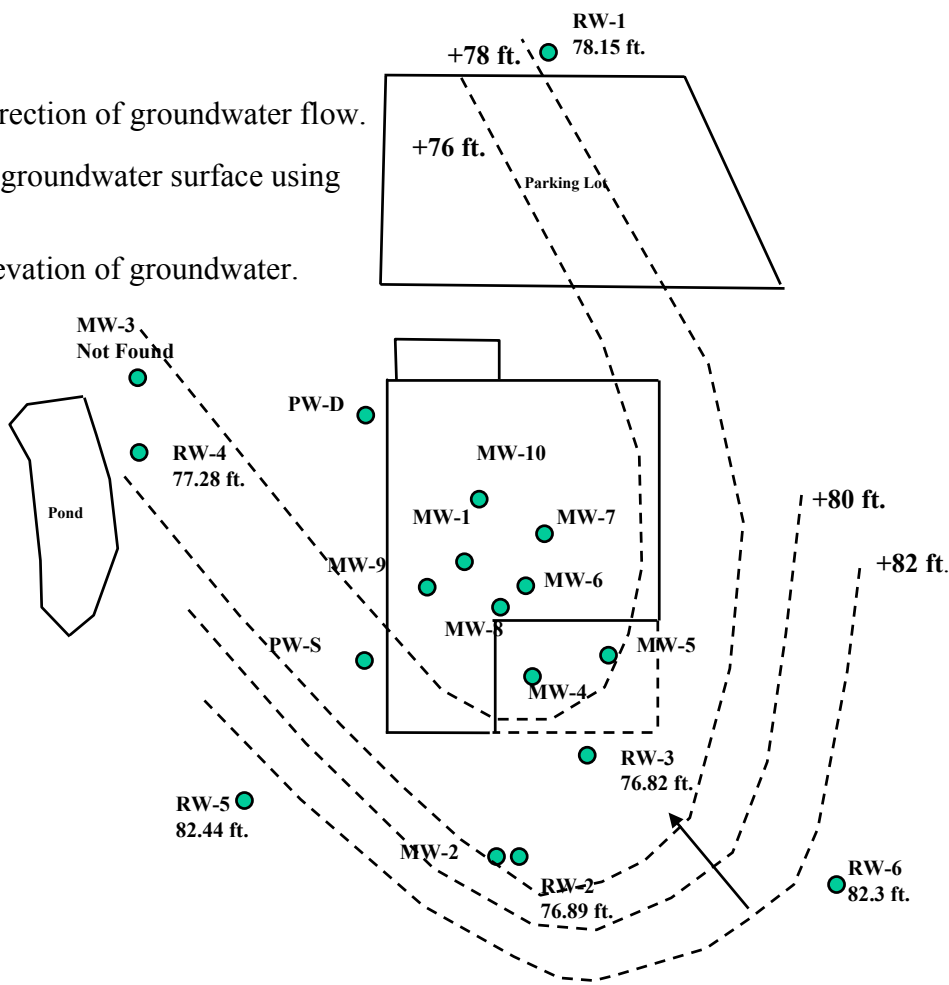
 MPR
 File Name

 Site Plan

Figure

 13

- Estimated direction of groundwater flow.
- +80 ft. Elevation of groundwater surface using local datum.
- - - - Estimated elevation of groundwater.



Title
 Interface Groundwater Contours
 Barthelmes Manufacturing
 Rochester, NY

Prepared For
 Barthelmes Manufacturing
 15 Cairn Street
 Rochester, NY

LEADER
 Leader Professional Services, Inc
 271 Marsh Road-Suite 2
 Pittsford, New York 14534
 (585) 248-2413
 FAX (585) 248-2834

Project
 555.001
 Date
 11/06
 Scale

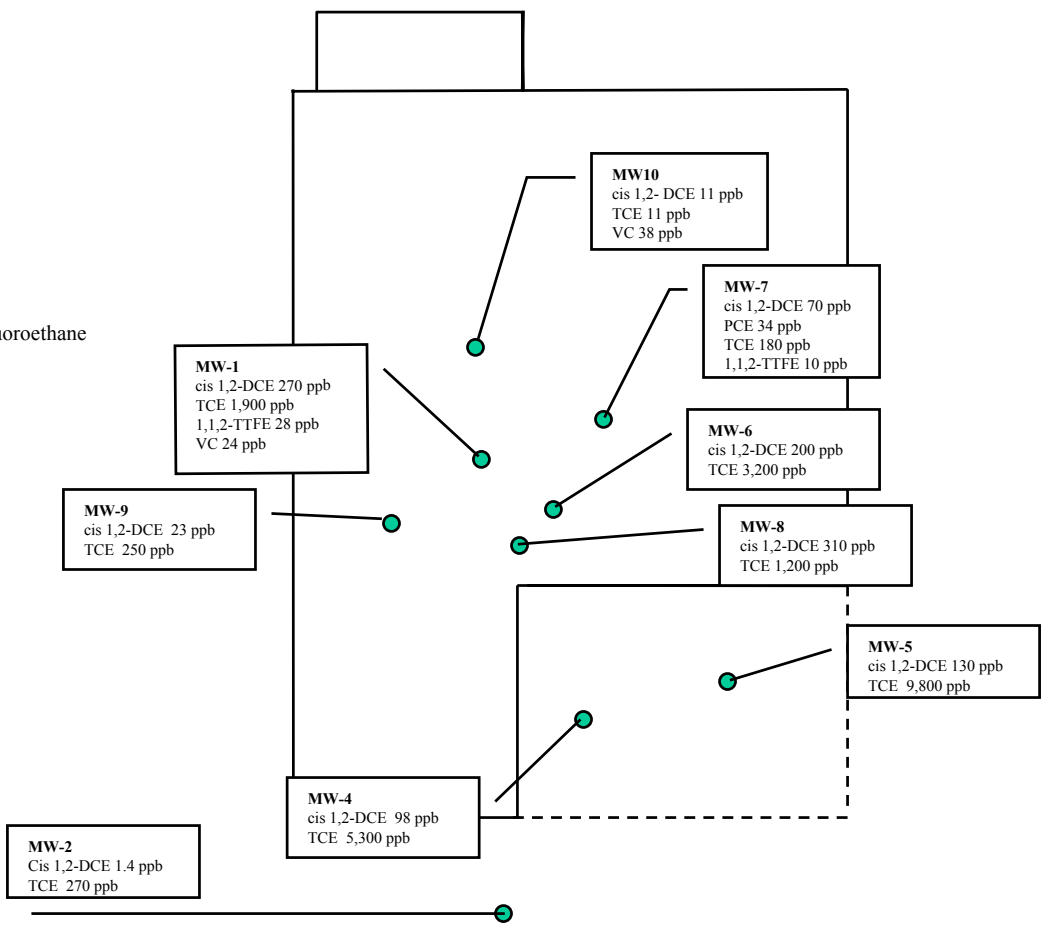
Drawn
 PVS
 Checked
 MPR
 File Name
 Site Plan

Figure
 14



Notes:

BDCM = Bromodichloromethane
DBCM = Dibromochloromethane
cis 1,2-DCE = cis 1,2-Dichloroethene
TCE = Trichloroethene
PCE = Tetrachloroethene
1,1,2-TTFE = 1,1,2-trichloro-1,2,2-trifluoroethane
VC = Vinyl Chloride



Title Overburden Groundwater Chlorinate Compounds Results
Barthelmes Manufacturing
Rochester, New York

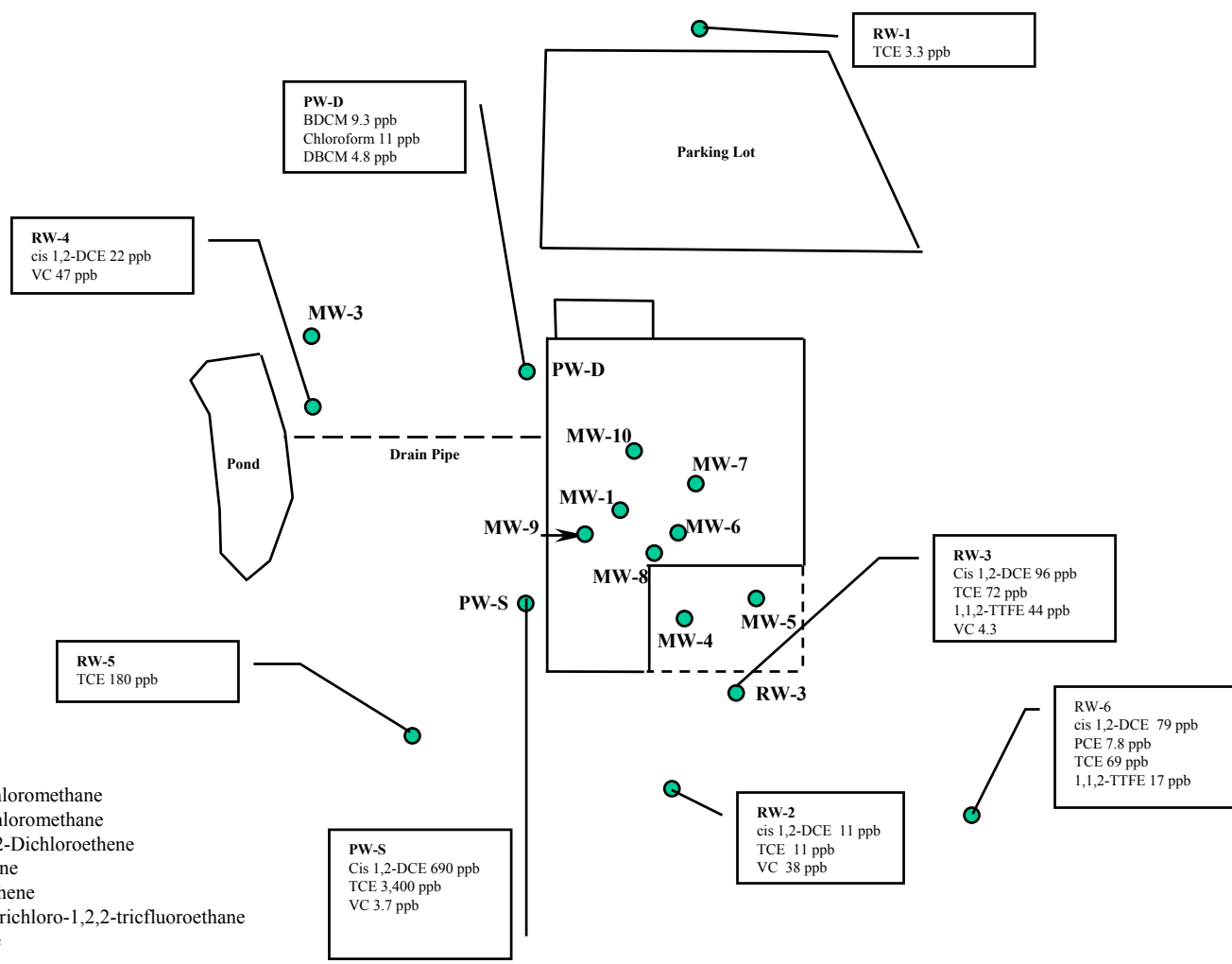
Prepared For Barthelmes Manufacturing
15 Cairn Street
Rochester, New York

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Pittsford, New York 14534
(585) 248-2413
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Project 555.001
Date 09/01/06
Scale

Drawn PVS
Checked MPR
File Name
Site Plan

Figure 15



Notes:
 BDCM = Bromodichloromethane
 DBCM = Dibromochloromethane
 cis 1,2-DCE = cis 1,2-Dichloroethene
 TCE = Trichloroethene
 PCE = Tetrachloroethene
 1,1,2-TTFE = 1,1,2-trichloro-1,2,2-trifluoroethane
 VC = Vinyl Chloride

Title Interface and Bedrock Groundwater Chlorinated Compound Results
 Barthelmes Manufacturing
 Rochester, NY

Prepared For Barthelmes Manufacturing
 15 Cairn Street
 Rochester, NY

Leader Professional Services, Inc.
 271 Marsh Road-Suite 2
 Pittsford, New York 14534
 (585) 248-2413
 FAX (585) 248-2834

Project 555.001

 Date 09/06

 Scale

Drawn PVS

 Checked

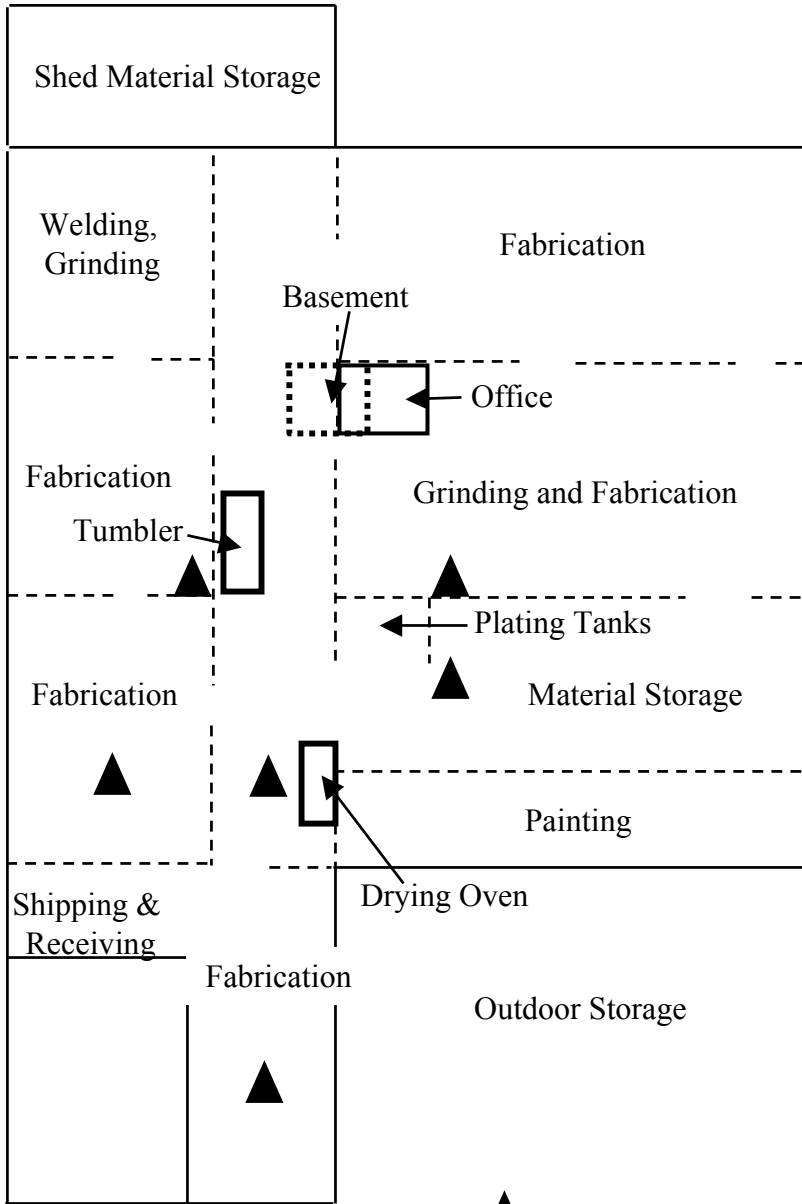
 MPR

 File Name

 Site Plan

Figure

16



Sample Locations

Title Classification of Building Interior
 Barthelmes Manufacturing
 Rochester, New York

Prepared Barthelmes Manufacturing
For 15 Cairn Street
 Rochester, New York 14611

Leader Professional Services, Inc.
271 Marsh Road, Suite 2
Pittsford, NY 14534
(585) 248-2413
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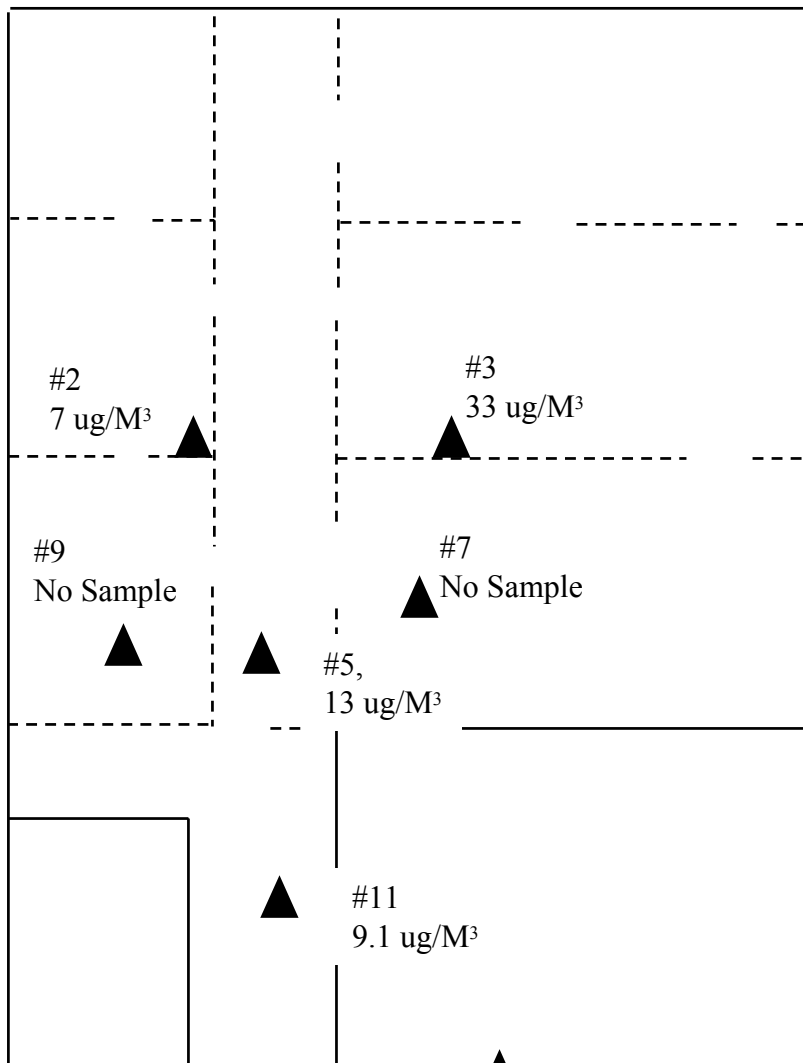
Project 555.001
Date 12/06
Scale NTS

Drawn PVS
Checked MPR
File Name Site Map

Figure
9



▲ Outdoor, <1.1 ug/M



▲ Ambient (Indoor or Outdoor)
Air Sample Location, TCE
Concentration in Micrograms
Per Cubic Meter

Title Ambient Air Sampling TCE Results
Barthelmes Manufacturing
Rochester, New York

Prepared For Barthelmes Manufacturing
15 Cairn Street
Rochester, New York 14611



Leader Professional Services, Inc.
271 Marsh Road, Suite 2
Pittsford, NY 14534
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Project 555.001

Date 12/06

Scale NTS

Drawn PVS

Checked MPR

File Name

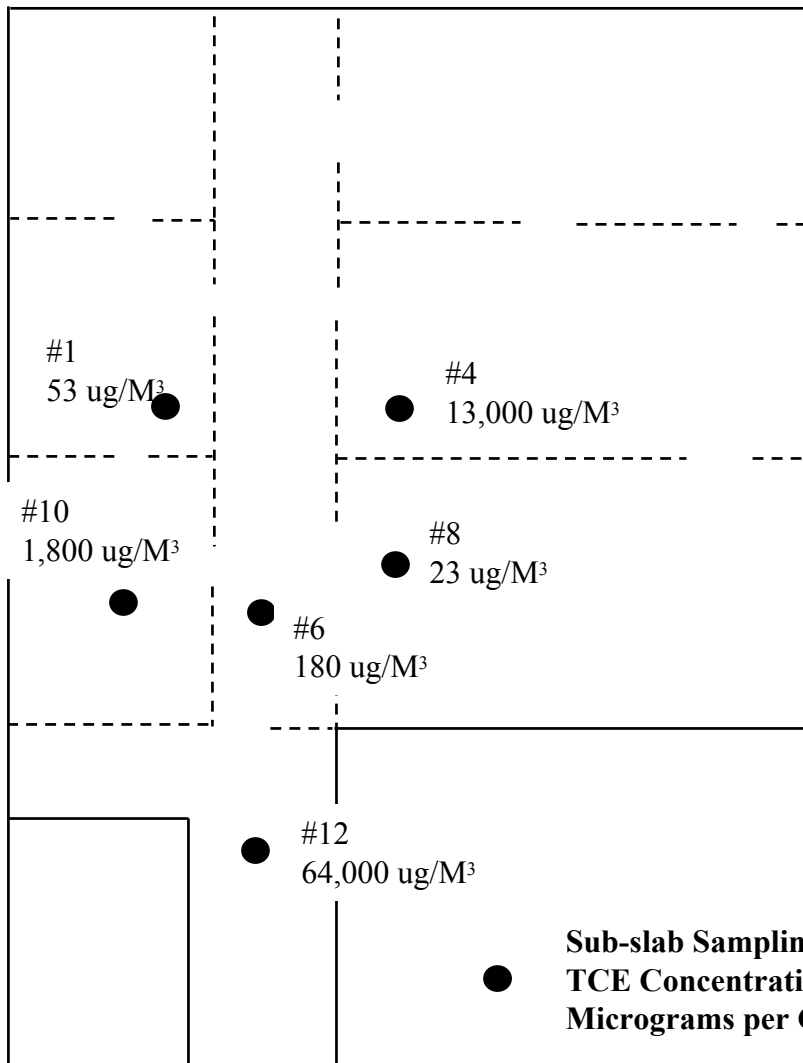
Site Map

Figure

10



▲ <1.1 ug/M³



Title Sub-Slab Vapor Sampling TCE Results
Barthelmes Manufacturing
Rochester, New York

Prepared For Barthelmes Manufacturing
15 Cairn Street
Rochester, New York 14611



Project 555.001
Date 12/06
Scale NTS

Drawn PVS
Checked MPR
File Name Site Map

Figure 11

TABLE 1
BUILDING CHEMICAL INVENTORY
Barthelmes Manufacturing Company
15 Cairn Street
Rochester

Chem # Barthelmes MSDS #	Product Name	Manufacturer	HSL Compounds
1001	Spray Feathering Disc Adhesive 08044	3M	MEK, Acetone, Glycerol Ester of Hydrogenate rosin, Propane, Styrene-butadiene polymer, Toluene
1006	Aroc Supreme SAE 10W-30	Lyondell Petrol. Co.	Petroleum hydrocarbons
1007	NIA Super D50	Niagara Lubricant	Hydrotreated Heavy Parafinic, Hydrotreated Residual Oil
1017	Dispoz Aid 1	Oakite	Sodium metabisulfite
1018	Dispoz Aid 2	Oakite	Calcium hydroxide
1026	Deoxidizer LNC	Oakite	Ferric sulfate, Nitric acid, potassium peroxymonosulfate
1028	Texolite 100 SP	Texo Corp	Triphosphoric acid
1032	Soluble oil	Stirling Industries	Mineral oil
1035	Air Tool Oil #1, 45-0919	DOTCO	Petroleum hydrocarbons
1038	140 Stick Wax	Castrol Metal working	Parafin wax
1040	#3 White Stamp Pad Ink	Phillips Process Co.	Diactone alcohol, Ethylene Glycol Monoethyl Ether, Benzyl Alcohol
1041	90 High Strength Adhesive	3 M	Dimethyl ether, Pentane, Acetone, Cyclohexane
1042	80 Series UV Curable Ink	Nor Cote	Acrylated oligomers, N-Vinyl 2 Pyrrolidone, Acrylated monomers
1043	079 PM Adhesion Modifier	Nor Cote	Acrylates
1044	800 Initiator	Nor Cote	Tertiary Amines
1053	Methyl Ethyl Ketone	Shell (Chemcore)	MEK
1059	Horizon Green Aerosol	Custom Aerosol Products	VM&P Naptha, Xylene, Butyl Alcohol, Aromatic hydrocarbon, Acetone, Mineral spirits, Methyl Iso Butyl Ketone, N Butyl Alcohol, 1,1,1-TCA, Propane, Isobutane
1061	Polane T Polyurethane Coating	Sherwin Williams	Toluene, Xylene, MEK, Cyclohexane, N Butyl Acetate, Talc, Titanium oxide, Carbon black, Lead Chromate, Molybdate Orange, Lead, Chromium
1068	Commerical Propane	Suburban Propane	Ethane, Propane, Propylene, Butanes, Ethyl Mercaptan
1069	Glo San	Rochester Midland	Hydrochloric acid
1072	Starrett Cleaner	Surry Chemicals	Dipropylene glycol, Potassium hydroxide, EDTA
1076	Bronze	Millard Lakes Metal	Lead, Tin, Aluminum, Manganese, Iron, Zinc, Silicon, Phosphorus, Antimony, Arsenic, Chromium, Cobalt
1077	Copper	Millard Lakes Metal	Nickel, Beryllium, Cobalt, Cadmium, Aluminum oxide, Chromium, Lead, Silver, Tin, Arsenic
1078	Stainless Steel	Copper & Brass Sales	Iron, Chromium, Nickel
1080	Polane Dead Flat Black	Sherwin Williams	Toluene, Xylene, MEK, MIBK, Methyl n-Amyl Ketone, Cyclohexane, Isopropyl acetate, n-Butyl acetate, 1-Methoxy-2-Propanol acetate, Toluene Diisocyanate polymer, Mexamethylene diisocyanate polymer
1081	Polane T Plus Polyurethane Enamel	Sherwin Williams	Toluene, Xylene, Cyclohexanone, Isopropyl acetate n-Butyl acetate, Silica, Talc, Calcium carbonate, Titanium dioxide, Carbon black
1083	Descale 91 (Texo 91)	Texo Corp	Phosphoric acid
1084	SSR Ultra Coolant	Ingersol Rand	Polyoxyalkylene glycol, pentaerythritol ester
1090	Hot or Cold Carbon Steel	Samuel, Son & Co.	
1091	Galvanized Sheet Electrolytic	Samuel, Son & Co.	
1093	Aluminum Alloys	Samuel, Son & Co.	Aluminum
1094	Galvanized Sheet Carbon Steel	Samuel, Son & Co.	
1095	Stainless Steel	Samuel, Son & Co.	Iron, Chromium, Nickel, Manganese, Silicon, Aluminum
1096	Steel	Samuel, Son & Co.	
1097	Xylene	Interstate Chemical Co.	Xylene, Ethylbenzene, Benzene, Toluene
1099	Texo LP 1659	Texo Corp	Calcium Chloride
1100	Sealtex 1558 DI (Texo LP 1558)	Texo Corp	Ammonium bifluoride, Ammonium dimolybdate, Sodium nitrate
1105	Protexo 1471	Texo Corp	Petroleum distillates, Naphthenic distillates
1108	Ultra Scrub Citrus Hand Cleaner	Rochester Midland	d-Limonene
1109	ICC 856 Spray/Wipe	Intercont. Chem Corp	None

TABLE 1
BUILDING CHEMICAL INVENTORY
Barthelmes Manufacturing Company
15 Cairn Street
Rochester

Chem # Barthelmes MSDS #	Product Name	Manufacturer	HSL Compounds
1110	Meltz It	Rochester Midland	Calcium chloride, Sodium chloride, Potassium chloride, Strontium chloride
1121	Polane Reducer 69	Sherwin Williams	Toluene, Ethylbenzene, Xylene, MEK, MIBK, Cyclohexanone, Isopropyl acetate, N-butyl acetate, 1-Methoxy-2-Propanol acetate, Hexamethylene diisocyanate polymer, Toluene diisocyanate polymer, Talc, Titanium dioxide, Lead chromate, Lead
1122	Polane Reducer 84	Sherwin Williams	Toluene, Ethylbenzene, Xylene, MEK, MIBK, Cyclohexanone, Isopropyl acetate, N-butyl acetate, 1-Methoxy-2-Propanol acetate, Hexamethylene diisocyanate polymer, Toluene diisocyanate polymer, Talc, Titanium dioxide, Lead chromate, Lead
1123	Polane Catalyst 500-1318 V66V27	Sherwin Williams	Toluene, Ethylbenzene, Xylene, MEK, MIBK, Cyclohexanone, Isopropyl acetate, N-butyl acetate, 1-Methoxy-2-Propanol acetate, Hexamethylene diisocyanate polymer, Toluene diisocyanate polymer, Talc, Titanium dioxide, Lead chromate, Lead
1124	Globrite 762CS	Texo Corp	Chromium trioxide, Phosphoric acid
1128	127 Flying Insect Killer	Rochester Midland	Isobutane, Propane, Permethrin, d-Trans allethrin
1131	Oaklite 61B	Oakite	Sodium metasilicate, Sodium carbonate, Sodium tripolyphosphate, Tetrasodium pyrophosphate, Sodium silicate, Disodium phosphate, Coco amido sulfonate
1133	Florco, Cal-Flor-Dry	Floridin Co.	Silica
1135	Retarder Thinner Re182	NAZ DAR	Dipropylene glycol methyl ether, Aliphatic glycol ether
1138	042 Silver Paste	Nor Cote	Aluminum, Copper, Zinc, 2-Hydroxy-2-methyl-1-phenyl-1-propanone
1142	Belt Dressing	Krylon	Propane, Xylene, VM&P Naphtha, Tetrahydroabietyl alcohol, Acetone
1143	Cold Galvanizing Spray Zinc Rich Primer 135	Krylon	Propane, MEK, Xylene, VM&P Naphtha
1144	Fluorescent Spray Paint	Krylon	Propane, Isobutane, Toluene, Hexane, Heptane, Aliphatic solvent naphtha
1146	K Lens M Lens Cleaner	Wilkinson	Ethyl alcohol, Isopropyl alcohol, Methyl alcohol, Propylene glycol monomethyl ether
1154	Sweeping Compound	Buffalo Sweeping Compound Co.	Sawdust, Brick sand, Mineral oil, Acid dye #9, Petrolatum
1158	1200-2 Multi Purpose Grease	Lubriplate	None
1160	Tuff Job Remover	BIX	Dichloromethane, Methanol, 2-amino ethanol
1161	Safety Silver 45 White Brazing Alloy	JW Harris Co Inc.	Silver, Copper, Zinc, Nickel, Tin, Manganese, Boric acid, Lithium, Potassium fluoroborate, Potassium tetraborate
1162	No. 14 Skin Protective Cream	Rochester Midland	Stearic acid, Triethanolamine, Bentonite, Corn starch, Methyl paraben, Methyl cellulose
1164	Almond Texture	Sherwin Williams	Polytetrafluoroethylene
1167	CLM ADS-71 High Temp/Extreme Pressure	Equipment Life of California	Petroleum grease, Lead, Copper, Di-2-ethylhexyl dimerate
1169	Black EBS2-3003-H	Sherwin Williams	None
1172	Glid Guard Epoxy Chromate Metal Primer	Glidden	Fatty acids, 4,4-(1-methylethylidene) bis polymer phenol, 2,2-((1-methylethylidene)bis(4,1-phenylene oxymethylene))bis(oxirane), 2-Propanol, methylbenzene, Ethylbenzene, 1-Methoxy 2-propanol, 2-Butanone, Cristobalite, Benzene, Dimethylbenzene
1173	Oaklite Chromicoat T3	Oakite	Nitric acid, Chromic acid, Hydrogen fluoride
1174	L Tec Spoolarc & Oxyweld Steel Weld Rods	ESAB Group	Aluminum, Carbon, Copper, Chromium, Iron, Manganese, Molybdenum, Nickel, Silicon, Titanium, Vanadium, Zirconium
1177	Multigear Oils	Sterling Industries	Petroleum lubricating oil

TABLE 1
BUILDING CHEMICAL INVENTORY
Barthelmes Manufacturing Company
15 Cairn Street
Rochester

Chem # Barthelmes MSDS #	Product Name	Manufacturer	HSL Compounds
1179	Perma Fil Part A	Trichem Corp	Diglycidyl Ether of Bisphenol-A, Acrylate Monomer
1180	Perma Fil Part B	Trichem Corp	Nonyl Phenol, m-Xylene diamine, Isophorone diamine
1182	Polane Spray Fil, White	Sherwin Williams	Toluene, Xylene, Cyclohexanone, n-Butyl acetate, Talc, Calcium carbonate, Barium sulfate, Titanium dioxide
1185	Polyurethane Matte Black 88-1086	Sherwin Williams	Synthetic paraffin
1186	Strippable Coating White	Sherwin Williams	VM&P Naptha, Toluene, Acetone, MEK, Methyl Iso Butyl Ketone, Calcium carbonate, Titanium dioxide
1196	International Compound #1598	International Chemical Co.	None
1203	Cutter Exp	IPG Industrial Products Group	Distilled hydrotreated naphthenic oil, Polychlorinated alkanes C10-C13
1214	Davison Blue Indicating Gel	WR Grace & Co.	Silca, Cobalt chloride
1223	Pyroboard CS	Rex Roto Corp	Silca, Clay, Alumina, organic binders
1224	Universal Gloss Modifier	Sherwin Williams	VM&P Naphtha, Toluene, Xylene, Isobutyl acetate, Silca, Talc
1228	Polane T Custom Poly Enamel F63BXW450-	Sherwin Williams	Toluene, Xylene, MEK, Cyclohexanone, n-Butyl acetate, Talc, Titanium dioxide
1235	Magic Lens Cleaning Ant Fogging Static Fluid	Silcone Sterling Paper Co.	Isopropyl alcohol, Glycerine, Anti-Stat
1236	Gojo Painters Hand Cleaner	GOJO Industries	Dibasic ester, Linear alcohol alkoxylate, tocophery acetate, Triethanolamine
1237	KIWOFILLER 401NV and 402 HV	Kiwo, Inc.	None
1239	Powder Black	DuPont Powder Coatings	Carbon black
1241	Tech Draw 2900	Chemical Technologies Inc	Petroleum oil
1242	Tech Cool 3718	Chemical Technologies Inc	Triethanolamine, Potassium Hydroxide, Ethanol 2-(2-Aminoethoxy)
1243	Tech Draw 9240	Chemical Technologies Inc	Aliphatic hydrocarbon, Petroleum sulfanate
1244	Alpha Grey	DuPont Powder Coatings	Titanium dioxide, calcium carbonate, 1,3,5-Triglycidyl isocyanurate, silica, iron oxide, iron oxide.
1245	Flat Black	DuPont Powder Coatings	Calcium carbonate
1246	Crystal Clear	DuPont Powder Coatings	1,3,5-Triglycidyl Isocyanurate
1247	RB Putty II	DuPont Powder Coatings	Barium sulfate, Titanium dioxide, Calcium carbonate
1248	WH Almond	DuPont Powder Coatings	Barium sulfate, Titanium dioxide, Silca
1249	Clear Sailing	DuPont Powder Coatings	None
1250	Vision Black	DuPont Powder Coatings	Calcium carbonate
1252	Equipment Gray	DuPont Powder Coatings	Barium sulfate, Titanium dioxide, 1,3,5-Triglycidyl isocyanurate
1253	Buzz Bond No. 600	Bulk Chemicals Inc	Chromic acid, Potassium fluozirconate, Sodium fluoborate
1255	Machine Gray II	DuPont Powder Coatings	Titanium dioxide, calcium carbonate, 1,3,5-Triglycidyl isocyanurate, Barium sulfate
1256	Pasteweld Solder Paint	Harris Welco	Lead, Tin, Zinc chloride, Ammonium chloride
1257	Appliance White	DuPont Powder Coatings	Titanium dioxide, Barium sulfate, Silca, Aluminum hydroxide
1258	Carrier Alpha Grey RB-1698-4	TCI Powder Coatings	1,3,5-Triglycidyl Isocyanurate
1259	Sikaflex 252	SIKA Corp	Methylene Bisphenyl isocyanate, Xylene
1260	SIKA Primer 206 G&P	SIKA Corp	Ethyl acetate, Polyisocyanate prepolymer, Xylene
1261	Beach Gray II	DuPont Powder Coatings	Titanium dioxide, Calcium carbonate
1262	Vulcan Black	DuPont Powder Coatings	1,3,5-Triglycidyl isocyanurate
1264	Semi Off White	DuPont Powder Coatings	Calcium carbonate, Titanium dioxide, Silica
1265	Texo Kleen 1704	Ondeo Nalco Company	Dipropylene glycol monomethyl ether, Sodium tetraborate decahydrate
1266	E70S-2 Metal Alloy	JW Harris Co Inc.	Iron, Aluminum, Carbon, Copper, Manganese, Phosphorus, Sulfur, Molybdenum, Silicon, Titanium, Zirconium
1268	Para Blocks and Crystals	Freash Products Inc.	Paradichlorobenzene
1269	Illusion Amber	DuPont Powder Coatings	1,3,5-Triglycidyl Isocyanurate
1270	Ivory Sand II	DuPont Powder Coatings	1,3,5-Triglycidyl Isocyanurate, Talc, Titanium dioxide

**TABLE 1
BUILDING CHEMICAL INVENTORY
Barthelmes Manufacturing Company
15 Cairn Street
Rochester**

Chem # Barthelmes MSDS #	Product Name	Manufacturer	HSL Compounds
1272	RAL 9005 Texture	DuPont Powder Coatings	Talc, Calcium Carbonate, 1,3,5-Triglycidyl Isocyanurate
1274	Beige FRTT1	DuPont Powder Coatings	Titanium oxide, Calcium carbonate, Talc, Iron oxide, Iron oxide
1275	VMS3692IY Silver	DuPont Powder Coatings	1,3,5-Triglycidyl Isocyanurate, mica
1276	Hull Blue	DuPont Powder Coatings	1,3,5-Triglycidyl Isocyanurate, Barium sulfate, Titanium dioxide
1277	Bead Blast Silver	DuPont Powder Coatings	Calcium carbonate, Aluminum, 1,3,5-Triglycidyl isocyanurate
1278	Hinge Black	DuPont Powder Coatings	Calcium carbonate, Talc, Carbon black
1279	Jet Black	DuPont Powder Coatings	Barium sulfate, Carbon black
1280	RAL 9005	DuPont Powder Coatings	Barium sulfate, 1,3,5-Triglycidyl Isocyanurate, Carbon black
1282	Monarch Black II	DuPont Powder Coatings	Barium sulfate
1283	Gray PFHS2	DuPont Powder Coatings	Titanium dioxide, 1,3,5-Triglycidyl isocyanurate, silica
1284	Gray PFHT2	DuPont Powder Coatings	Titanium dioxide, Talc, Calcium carbonate, 1,3,5-Triglycidyl isocyanurate, silica
1285	ML Gray Tex	DuPont Powder Coatings	Iron oxide, Titanium oxide, Talc, Calcium carbonate
1286	DFE Bioblast	Rochester Midland	Aliphatic hydrocarbon, Tripropylene glycol
1287	Everclear	DuPont Powder Coatings	None
1288	Black Ridge III	DuPont Powder Coatings	Calcium carbonate, Barium sulfate, Carbon black
1289	RAL 5015	DuPont Powder Coatings	Barium sulfate, Titanium dioxide, 1,3,5-Triglycidyl isocyanurate
1290	RAL 2002	DuPont Powder Coatings	Barium sulfate, 1,3,5-Triglycidyl Isocyanurate, Titanium dioxide
1291	Tech Cool 5907LF	Nalco Company	Hydrotreated heavy naphthenic distillate, alkylamine, Propylene glycol, Phosphate ester salt
1292	Tech Cool 4010	Chemical Technologies Inc	Petroleum oil, Hexahydrotriazine
1293	Mobil Hydraulic Oil 15	Exxon	None.
1294	Mobilith AW-2	Exxon	Zinc dialkyl dithiophosphate
1295	NOCO Lube AW Series	Noco Energy	Hydrotreated Heavy Paraffinic distillate, Solvent dewaxed residual oil
1296	Davy Blue	DuPont Powder Coatings	Barium sulfate, Titanium dioxide, Cobalt
1297	White Cloud	DuPont Powder Coatings	Titanium dioxide, Barium sulfate, 1,3,5-Triglycidyl isocyanurate, silica, carbon black
1298	Tech Draw 9311	Nalco Company	Hydrotreated Heavy Naphtha, Propoxylate butanol
1299	Skyward Blue	DuPont Powder Coatings	Barium sulfate, Titanium dioxide, 1,3,5-Triglycidyl isocyanurate
1300	Globrite 531 ADD	Nalco Company	None
1301	Silvadillo	DuPont Powder Coatings	1,3,5-Triglycidyl isocyanurate, Aluminum, Benzoin
1302	Tech Bond 38514	Nalco Company	Methanol, Acetic acid
1303	Tech Cool 35300	Nalco Company	Hydrotreated heavy naphthenic distillate, Heterocycle, Aliphatic alcohol, Fatty amine, Inorganic acid salt, Alkylamine salt, Hydrotreated light naphthenic distillate
1304	ASA 70 Gray	DuPont Powder Coatings	Titanium dioxide, Calcium carbonate, 1,3,5-Triglycidyl isocyanurate, silica, Carbon black
1305	4M767 Sealant Silicone Black	Dow Chemical	Methyltriacetoxysilane, Ethyltriactoxysilane
1306	Orelube HA-3	Orelube Corp	Solvent dewaxed heavy paraffinic distillate

TABLE 2
SUMMARY OF AMBIENT AIR AND SUB-SLAB VAPOR ANALYTICAL RESULTS
Barthelmes Manufacturing Company
15 Cairn Street, Rochester, New York

Location	1	2	3	4	5	6	7	8	9	10	11	12	13
Type	Sub-slab	In-door	In-door	Sub-Slab	In-door	Sub-Slab	In-door	Sub-slab	In-door	Sub-Slab	In-door	Sub-Slab	Outdoor
Units	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³	ug/M ³
Trichloroethylene	53.0	7.0	33.0	13000.0	13.0	180.0	No Sample	23.0	No Sample	1800.0	9.1	64000.0	ND
Acetone	24.0	26.0	17.0	ND	13.0	43.0		18.0		24.0	69.0	ND	22.0
Benzene	16.0	3.8	2.8	ND	19.0	7.7		8.0		3.2	6.7	ND	0.7
Carbon Disulfide	ND	ND	ND	ND	ND	2.1		ND		ND	ND	ND	ND
Chloroform	ND	ND	ND	29.0	ND	ND		ND		1.5	ND	58.0	ND
Chloromethane	ND	0.8	1.0	ND	0.9	ND		1.1		0.6	1.4	ND	1.0
Cyclohexane	96.0	96.0	160.0	170.0	76.0	23.0		330.0		38.0	19.0	ND	ND
1,4 Dichlorobenzene	12.0	11.0	21.0	ND	2.1	7.8		13.0		6.0	ND	ND	ND
cis 1,2-Dichloroethene	ND	ND	ND	1200.0	ND	ND		ND		ND	ND	3700.0	ND
trans 1,2-Dichloroethene	ND	ND	ND	52.0	ND	ND		ND		ND	ND	260.0	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND		ND		ND	1.2	ND	ND
Ethanol	45.0	58.0	17.0	ND	12.0	15.0		18.0		17.0	25.0	ND	6.6
Ethylbenzene	17.0	10.0	16.0	87.0	18.0	14.0		150.0		13.0	5.2	ND	ND
4-Ethyltoluene	ND	2.5	ND	ND	2.5	1.7		1.2		1.2	ND	ND	ND
Freon 12	ND	ND	ND	ND	3.4	4.3		ND		ND	3.2	ND	ND
Heptane	16.0	9.0	ND	ND	1.8	4.1		2.9		4.5	3.0	ND	ND
Methylene Chloride	9.7	2.5	ND	ND	8.3	5.9		ND		ND	5.6	ND	2.4
Methyl Ethyl Ketone	140.0	110.0	28.0	ND	17.0	21.0		44.0		ND	38.0	ND	ND
Methyl Isobutyl Ketone	ND	ND	ND	ND	9.8	ND		ND		32.0	ND	ND	ND
Naphthalene	ND	ND	ND	ND	4.2	ND		ND		ND	ND	ND	ND
2-Propanol	19.0	15.0	3.4	ND	4.9	3.4		9.1		4.9	23.0	ND	ND
Styrene	6.8	ND	ND	ND	6.8	13.0		ND		8.9	2.0	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	1.7	8.1		ND		12.0	ND	120.0	ND
Toluene	130.0	110.0	5.3	29.0	27.0	36.0		24.0		27.0	94.0	ND	3.8
1,2,4-Trimethylbenzene	14.0	9.8	1.3	ND	11.0	6.4		4.2		4.6	2.7	ND	ND
1,3,5-Trimethylbenzene	4.3	3.1	ND	ND	3.0	1.6		1.2		1.2	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND		ND		ND	1.1	ND	ND
m&p Xylene	56.0	38.0	61.0	320.0	69.0	42.0		560.0		40.0	18.0	ND	2.2
o-Xylene	11.0	4.0	5.6	26.0	17.0	10.0		41.0		7.4	5.6	ND	ND

Notes:

ug/M³ = Micrograms per cubic meter

ND = Not detected at a concentration above the analytical method detection limit



STATE OF NEW YORK DEPARTMENT OF HEALTH

Flanigan Square 547 River Street Troy, New York 12180-2216

Richard F. Daines, M.D.
Commissioner

James W. Clyne, Jr.
Executive Deputy Commissioner

May 24, 2010

Mr. Robert Knizek
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway – 12th Floor
Albany, NY 12233-7011

Re: **Site Classification Report**
Barthelmes Manufacturing
Site #828122
Rochester (C), Monroe County

Dear Mr. Knizek:

Staff reviewed the Site Classification Report and supporting material for the Barthelmes Manufacturing site located in Rochester, Monroe County. I understand that the current operation at the Barthelmes Manufacturing site is a metal finishing facility.

I understand that preliminary investigations have been conducted as part of the Brownfield Cleanup Program (BCP) to determine the source of contamination on-site and to determine the potential for contamination to migrate off-site. Chlorinated solvents and heavy metals have been detected in groundwater and soil on-site at levels that exceed applicable standards and cleanup objectives. Trichloroethene (TCE) and its breakdown products were detected in groundwater as high as 15 parts per million (ppm). In addition, vinyl chloride was detected in groundwater at concentrations as high as 5.7 ppm. Soil vapor intrusion sampling has been conducted during the BCP investigation at the on-site structure and TCE was detected as high as 64,000 micrograms per cubic meter in sub-slab vapor. Additional environmental investigations are needed to determine the nature and extent of off-site contamination.

Based on the available information, I believe this site represents a significant threat to public health and concur with the recommendation to classify it as a Class 2 site on the Registry of Inactive Hazardous Waste Disposal sites. If you have any questions, please call Geoffrey Laccetti at (518) 402-7860.

Sincerely,

A handwritten signature in black ink, appearing to read 'Steven M. Bates'.

Steven M. Bates, Assistant Director
Bureau of Environmental Exposure Investigation

ec: A. Salame-Alfie, Ph.D.
G. Litwin /G. Laccetti/file
R. Van Houten - WRO
J. Kosmala - MCDH
B. Butzig – NYSDEC, Reg. 8
K. Lewandowski – NYSDEC, Central

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