SB-5302 D3421

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES IN THE STATE OF NEW YORK

PRELIMINARY SITE ASSESSMENT
TASK 1

J. & T. Salvage Site
Site Number 932074
Town of Porter, Niagara County

August 1992

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233

Thomas C. Jorling, Commissioner

Division of Hazardous Waste Remediation

Michael J. O'Toole, Jr., P.E., Director

Prepared by:

Ecology and Environment Engineering, P.C.

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EXECUTIVE SUMMARY

The J. & T. Salvage site (Site I.D. No. 932074) is located on Balmer Road in the Town of Porter, Niagara County, New York (see Figures 1-1 and 1-2). It is the site of an automotive salvaging junkyard and has been utilized as such by two different owners. Mr. John Kulak owned the site from 1963 to 1975. The current owner, Mr. Charles Boos, obtained the property in 1975. Due to originally poor drainage conditions, fill materials were deposited on site to help stabilize the muddy junkyard roads. At least 10 tons of cinders and approximately 5,400 cubic yards of hard fill materials were deposited on the 10-acre site (Ref. 2, 4). In general, the hard fill materials consisted of a mixture of brick and stone demolition debris, concrete, blacktop, bottom ash, grinding wheels, and furnace sand (Ref. 1). None of the items listed as fill materials for the site is hazardous waste according to 6 NYCRR Part 371.

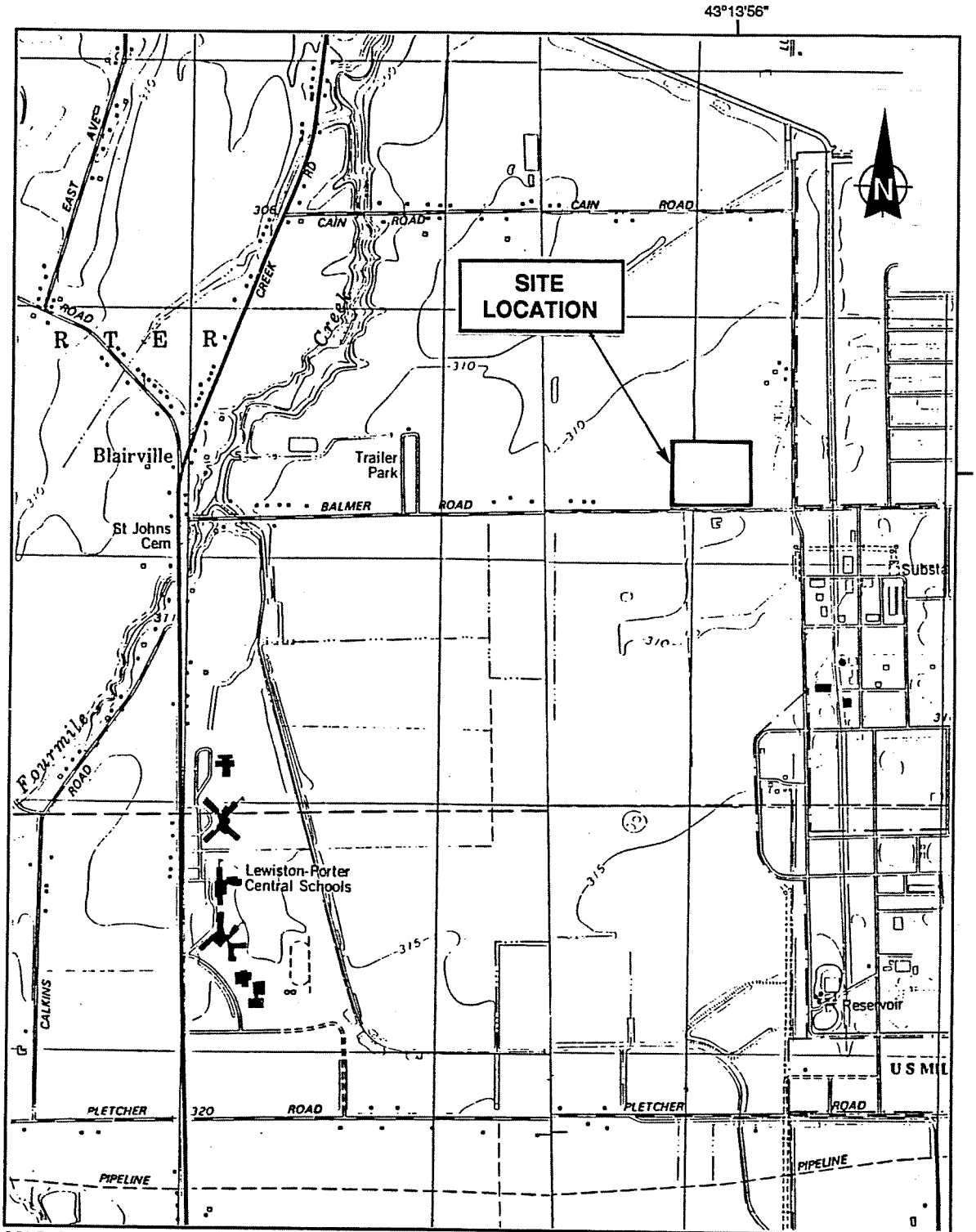
The New York State Department of Environmental Conservation (NYSDEC) collected one soil sample and one surface water sample from the site in 1982. This sample was collected in an area on-site where foundry sands, broken grinding wheels, and fire brick were stockpiled and leveled out in a low area. The soil sample was analyzed for metals, phenols, polynuclear aromatic hydrocarbons (PAHs), halogenated organics, and polychlorinated biphenyls (PCBs). The surface water sample was analyzed for phenols only (Ref. 5). In general, the analytical results were comparable to most junkyard operations (Ref. 10, 11).

A Phase I site investigation report was released by Engineering-Science, Inc. in January 1986. This Preliminary Site Assessment (PSA) performed by Ecology and

Environment Engineering, P.C. (E & E) included an extensive file search and a site inspection conducted on May 2, 1991. Photographs taken during the site inspection are presented in Figure 1-3.

From the information obtained in this PSA, E & E has determined that the potential threat of contaminant migration to groundwater, surface water, and air is low, as is the potential for direct contact.

Surface and subsurface soil samples collected by NYTEST Environmental in 1990 and 1991 for NYSDEC showed no hazardous waste present on site. Therefore, E & E recommends that the J. & T. Salvage site be delisted from the Registry of Inactive Hazardous Waste Sites.



SOURCE: USGS 7.5 Minute Series Quadrangle: Lewiston, NY - ONT and Ransomville, NY (1980) Quanddrangles.

SCALE

0 1000 2000 4000 Feet

Figure 1-1
LOCATION MAP, J. & T. SALVAGE

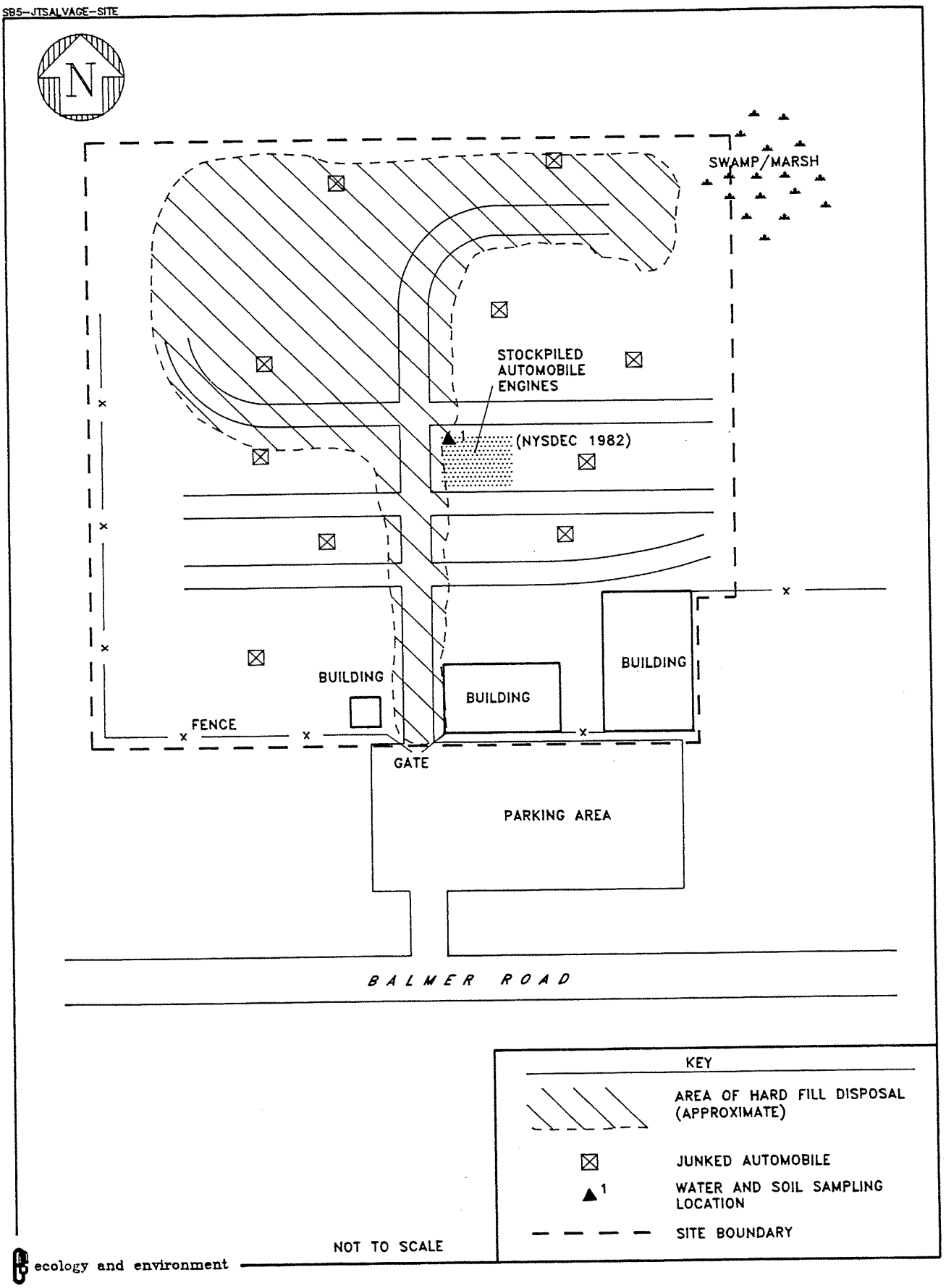


Figure 1-2 SITE MAP, J & T SALVAGE SITE

FIGURE 1-3

PHOTOGRAPHIC LOGS

ecology and environment engineering, p.c.
PHOTOGRAPHIC RECORD

Client: NYSDEC	E & E Job No.: SB5300
Site: J & T Automotive Salvage	
Camera: Make Kodak 35mm	SN Disposable
Lens Type --	SN --
	Photographer: Linda Fischer Date: 5/1/91
	Time: 2:00 p.m. Frame No.: 7
	Comments*: Looking northeast from near the swampy area; fill area mounds and standing water with sheen encroach on swamp vegetation.

*Comments to include location.

ecology and environment engineering, p.c.
PHOTOGRAPHIC RECORD

Client: NYSDEC	E & E Job No.: SB5300
Site: J & T Automotive Salvage	
Camera: Make Kodak 35mm	SN Disposable
Lens Type –	SN –
	Photographer: Linda Fischer Date: 5/1/91
	Time: 2:00 p.m. Frame No.: 8
	Comments*: Ponded water with oily sheen on surface atop fill area. At approximate location of NYSDEC 1982 sample location.

*Comments to include location.

47-15-25 (11/90)-9d

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

Original - BHSC
Copy - REGION
Copy - DEE
Copy - DOH
Copy - PREPARER

1. Site Name	2. Site Number	3. Town	4. County
J. & T. Salvage	932074	Porter, NY	Niagara

5. Region	6. Classification	7. Activity
9	Current 2A /Proposed	[ ] Add [ ] Reclassify [ ] Delist [ ] Modify

8a. Describe location of site (attach USGS topographic map showing site location).
1209 Balmer Road, Town of Porter, NY 14174
Lewiston, NY-ONT (1980)
b. Quadrangle Ransomville, NY (1980) c. Site latitude 43° 13' 56" Longitude 79° 00' 36" d. Tax Map Number 039090-117820

9a. Briefly describe the site (attach site plan showing disposal/sampling locations).
The 10-acre site is an automotive salvaging yard (auto junkyard) that recycles autos for scrap metal and parts. Wet, muddy conditions on site have led to attempts to stabilize junkyard roads with the below-listed (see Item 10) materials as fill.
b. Area 10 acres c. EPA ID number NYD00014158 d. PA/SI [ ] Yes [ ] No

e. Completed: [X] Phase I [ ] Phase II [X] PSA [X] Sampling

10. Briefly list the type and quantity of the hazardous waste and the dates that it was disposed of at this site.

From 1963 to 1975, an unknown quantity of cinders was used as fill. From 1978 to 1981, approximately 1/3 of the 10-acre site was filled to a depth of 1 foot with "hard fill," consisting of broken brick, blacktop, stone, bottom ash, kiln furniture, firebrick, furnace sand, coal, fused chunks of aluminum oxide, and grinding wheels. Since 1981, approximately 10 tons of cinders have been used as fill.

11a. Summarized sampling data attached

[ ] Air [ ] Groundwater [X] Surface Water [X] Soil [ ] Waste [ ] EP Tox [ ] TCLP

b. List contravened parameters and values.

None identified

12. Site impact data

a. Nearest surface water: Distance 1,000 ft. Direction south Classification intermittent drainage to Four Mile Creek, a Class D stream

b. Nearest groundwater: Depth 0 to 20 ft. Flow direction regional: south [ ] Sole source [ ] Primary [ ] Principal

c. Nearest water supply: Distance >3 miles Direction west Active [X] Yes [ ] No

d. Nearest building: Distance 500 ft. Direction east Use residence

e. Crops/livestock on site? [ ] Yes [X] No

f. Exposed hazardous waste? [ ] Yes [X] No

g. Controlled site access? [X] Yes [ ] No

h. Documented fish or wildlife mortality? [ ] Yes [X] No

i. Impact on special status fish or wildlife resource? [ ] Yes [X] No

j. Within a State Economic Development Zone? [ ] Yes [X] No

k. For Class 2A: Code _____ Health model score _____

l. For Class 2: Priority category _____

m. HRS Score NA

n. Significant threat [ ] Yes [X] No [ ] Unknown

13. Site owner's name	14. Address	15. Telephone Number
Mr. Charles Boos	4534 Creek Road, Lewiston, NY	(716) 278-6072

16. Preparer
Sandra Lare — Ecology and Environment Engineering, P.C.
Name, title, and organization

5/13/91 — Sandra A Lare
Date — Signature

17. Approved

_____
Name, title, and organization

_____ — _____
Date — Signature

02:3421ACT-09/12/91-D1

2. PURPOSE

Task 1 of the PSA, Data Records Search and Assessment, was conducted by E & E under contract to NYSDEC Superfund Standby Contract (Contract No. D002526). Task 1 involves the search for proof of disposal of hazardous waste documentation and proof of a significant threat to human health or the environment. Additional investigation may also be recommended.

The purpose of the PSA is to provide the information for NYSDEC to reclassify the site according to the following classifications:

- **Class 2.** Hazardous waste sites presenting a significant threat to the public health or the environment - action required;
- **Class 3.** Hazardous waste sites not presenting a significant threat to the public health or the environment - action may be deferred; and
- **Delist.** Sites where hazardous waste disposal cannot be documented - no further action is required.

The J. & T. Salvage site is currently classified as 2a (and not the above classifications) because there is insufficient information to document hazardous waste disposal and/or assess the significance of potential risks to public health or the environment.

3. SCOPE OF WORK

Task 1 of the J. & T. Salvage site PSA comprised several interrelated tasks as follows.

File Reviews and Data Search

An extensive data search was conducted utilizing state, county, municipal, and site-specific sources. This information was compiled from existing data as well as new sources, and a preliminary characterization of the site was developed after review.

Sources contacted during the PSA are listed in Table 3-1.

Site Inspection

A site inspection was conducted on May 2, 1991 to assess the surface characterization of the site and vicinity, observe evidence, if any, of hazardous substances or wastes present, photograph the site, conduct preliminary air monitoring using a photoionization detector (HNu) and a radiation meter (minirad), and confirm information obtained from the initial data search. During the site inspection no readings above background levels were noted on any instruments. A United States Environmental Protection Agency (EPA) Site Inspection Report (EPA Form 2070-13) and a NYSDEC Additions/Changes to the Registry of Inactive Hazardous Waste Disposal Sites form were completed following the inspection (see Appendix B and Section 1, respectively).

The site inspection was conducted by the following E & E personnel:

Name	Title	Organization
Linda Fischer	Environmental Analyst	E & E
Scott Glinski	Environmental Analyst	E & E

Site owner Charles Boos and NYSDEC Region 9 representative Abul Barkat were also present.

J. & T. Salvage currently accepts junked automobiles, drains the engine fluids, disassembles the engines for parts, separates the scrap metal for recycling, and stockpiles the automobiles. The site roads, previously filled with hard fill materials, contained some large areas of ponded water during the inspection. An oily sheen was observed on some of the puddles. Some areas of wetlands vegetation (reeds) were observed on site, but in general, vegetation was sparse. A number of junked automobiles were stored, and there was a pile of automobile engines near the center of the site (see Figure 1-2). No readings above background were noted on the HNu or the minirad.

Table 3-1

SOURCES CONTACTED FOR THE NYSDEC PSA
J. & T. SALVAGE SITE
PORTER, NEW YORK

New York State Department of Environmental Conservation
Division of Hazardous and Solid Waste
584 Delaware Avenue
Buffalo, New York 14202
Contact: Abul Barkat
Telephone: 716/847-4585
Date: April 22, 1991
Information Gathered: File search.

New York State Department of Environmental Conservation
Bureau of Hazardous Site Control
50 Wolf Road
Albany, New York 12233
Contact: Valerie Lauzze
Telephone: 518/457-9538
Date: April 17-18, 1991
Information Gathered: File search.

New York State Department of Health
Bureau of Environmental Exposure
2 University Place
Room 205
Albany, New York 12203
Contact: Andy Carlson
Telephone: 518/458-6306
Date: April 16-17, 1991
Information Gathered: File search.

Niagara County Environmental Management Council
County Courthouse, Lockport, New York 14094
Contact: Joann Ellsworth
Telephone: 716/439-6170
Date: April 25, 1991
Information: Information on land use, wetlands, flood plains, zoning, waterlines.

Niagara County Department of Health
10th and Falls Streets
Niagara Falls, New York
Contact: Paul Dicky
Telephone: 716/284-3128
Date: April 25, 1991
Information Gathered: File information.

Table 3-1

SOURCES CONTACTED FOR THE NYSDEC PSA
J. & T. SALVAGE SITE
PORTER, NEW YORK

Niagara County Highway Department
225 South Niagara Street
Lockport, New York 14094
Contact: Gary Hinton
Telephone: 716/439-6066
Date: April 26, 1991
Information Gathered: Aerial photographs from 1938, 1951, 1955, 1966, 1982.

Niagara County Department of Planning
County Office Building
Lockport, New York
Contact: Rick Seekins
Telephone: 716/439-6033
Date: April 25, 1991
Information Gathered: 1990 Census data.

Niagara County Real Property Tax Director
County Courthouse, Lockport, New York 14094
Contact: Hazel Hasley
Telephone: 716/439-6111
Date: April 25, 1991
Information Gathered: Tax maps and site ownership history.

United States Department of Agriculture Soil Conservation Service
Cornell Cooperative Extension
4487 Lake Avenue
Lockport, New York 14094
Contact: Darcy Tone
Telephone: 716/434-4949
Date: April 30, 1991
Information Gathered: Soil survey, agriculture districts, and prime farmland.

J. & T. Automotive Salvaging
1209 Balmer Road
Town of Porter, New York 14174
Contact: Charles Boos
Telephone: 716/278-6072
Date: May 2, 1991
Information Gathered: Site inspection information, verbal site history, various site-specific information.

4. SITE ASSESSMENT

4.1 SITE HISTORY

The J. & T. Salvage site is a 10-acre parcel located at 1209 Balmer Road in the Town of Porter, Niagara County, New York. The site was first utilized as an automotive junkyard in 1963 by John S. Kulck, who continued this operation until he sold it in 1975 to Charles Boos. Salvaging activities for automobile parts and metal have continued at this site throughout Mr. Boos' ownership (Ref. 2). Mr. Boos' operation includes draining of all engine fluids for proper disposal prior to stockpiling. This occurs in a cement-floored garage on site.

Prior to the establishment of automobile salvaging operations, the land was used by the U.S. Army as part of an approximately 10-square-mile security area known as the Lake Ontario Ordinance Works. The Army has since sold portions of this area, but still holds a right-of-way easement that enters the J. & T. Salvage site at the northwest corner, running east-west along the northern portion of the site. Prior to the Army's acquisition of the land in the early 1940's, the land within the J. & T. Salvage site boundaries was farmland (Boos interview, Appendix C).

Due to the originally poor drainage conditions at the site, fill material was spread to increase the stability of the muddy junkyard roads. Prior to 1975, the material spread on site was comprised largely of cinders (Ref. 2). After 1975, Mr. Boos obtained a permit from the Town of Porter, the Niagara County Department of Health, and NYSDEC to accept hard fill materials for use as a parking lot on site. The materials used for the lot were obtained from several sources and consisted of hard fill such as brick from demolished buildings, bottom ash, concrete, black top,

stone, broken vitrified grinding wheels, fire brick, and furnace sand (Ref. 1). An estimated one third of the 10-acre site has received this hard fill to a depth of 1 foot (Ref. 2). The last of this hard fill was delivered to the site in late 1981 (Ref. 3). Two to three truckloads (approximately 10 tons) of broken concrete and crushed stone from a quarry was used as fill for the northern portion of the site (Ref. 4).

Two environmental samples, one soil and one surface water, were collected by NYSDEC in 1982 from a single sampling location (see Figure 1-2). The surface water sample was collected from water ponded on site and not from a classified waterbody. The soil sample, analyzed for metals, phenols, PAHs, halogenated organics and PCBs, contained concentrations of aluminum (53,000 μg/g), nickel (57 μg/g), lead (26 μg/g), and zinc (99 μg/g), all of which fell within the range of concentrations typically found in soils of the eastern United States (Ref. 11). Phenolics were detected at a concentration of 0.88 μg/g, and total PAHs were detected at 521 μg/g. PAHs are typically found in soils containing waste oil, as exists at the J. & T. Salvage site. No PCBs which were detected in the soil sample. Results from the surface water sample indicated the presence of phenolics at 0.32 mg/L which exceeds the NYSDEC Ambient Water Quality Standard of .005 mg/L for total phenols (Ref. 5).

HNu air monitoring performed during the E & E site visit on May 2, 1991 detected no organic or inorganic vapor concentrations above background levels. HNu measurements taken in 1985 as part of the Phase I investigation were all below 1 part per million (ppm).

No cleanup or enforcement actions have been taken at the site as a result of previous disposal practices. No public health or environmental problems have been documented regarding this site.

4.2 SITE TOPOGRAPHY

The J. & T. Salvage site is located in a flat, rural area within the Town of Porter, Niagara County, New York. The site is rectangular in shape and approximately 10 acres in size. The original ground surface was a low-lying field with poor drainage. Presently, the ground surface is covered by approximately 1 foot

of hard fill. In general, the site elevation is level with the surrounding terrain. Other materials on the site include a large number of scrap automobiles and scrap automobile parts. There are also three buildings on site.

Nearly all land within a 1-mile radius is used for either industrial or agricultural purposes. Three miles to the southeast is a nuclear storage site (Ref. 2). Adjacent to and southeast of the site is property that has been used as farmland by the site owner. Farmland is also located southwest, west, and north of the site. Approximately 1 mile to the west is a trailer park with approximately 50 trailers.

Surface water on site occurs as small puddles and accumulations between hard-filled areas. Drainage direction is primarily to the east into a low-lying field. There is a drainage ditch that ultimately drains to Four Mile Creek approximately 1,000 feet south of the site. Twelve Mile Creek is located approximately 3,000 feet to the east and south. There are numerous farm drainages in the vicinity of the site, which appear to drain either to the storm sewers or to Four Mile Creek (Ref. 7).

There is a small, swampy wetlands area adjacent to and northeast of the site. There are also five New York State-regulated wetlands within 1 mile of the site. These wetlands are greater than 5 acres in size, and include LE-18 (approximately 1,000 feet to the south and southeast), RV-16 and LE-17 (1,500 feet north and northeast, respectively), RV-7 and RV-15 (3,500 feet to the northeast and north, respectively), and RV-9 (4,300 feet to the northeast) (Ref. 8). No critical habitats of endangered species exist within 1 mile of the site (Ref. 2).

4.3 SITE HYDROLOGY

Niagara County lies within the Central Lowland physiographic province. Specifically, it lies in the Eastern Lake section and occupies part of the Huron and Ontario Plains (Ref. 7).

This area, known as the Niagara Frontier, is relatively flat and broken by two east-west trending escarpments: the Niagara Escarpment and the Onondaga Escarpment. The site lies on the flat area between these escarpments called the Tonawanda Plain. This was the site of the postglacial Lake Tonawanda (Ref. 12).

Sediments in this area consist mainly of lacustrine deposits and glacial tills. The lacustrine deposits (i.e., silts and clays that settled to the bottom of the postglacial lake) are generally olive and brownish sediments overlying a red clay. The olive and brownish lacustrine sediments were deposited in glacial Lake Tonawanda following the Wisconsin Ice Age. These sediments blanket a red clay that was deposited following an earlier ice age in glacial Lake Lundy which at one time covered the entire county. Glacial till also occupies a large part of the surface area in the county and underlies most areas of lake sediments. The glacial till deposits consist of ground moraines, drumlins, eskers, and terminal moraines. Ground moraines occupy the low undulating till plain and are approximately 10 to 15 feet thick. Drumlins are rounded hills of bedrock or till that were molded beneath the ice and are elongated in the direction of ice flow. Drumlins in Niagara County are very subdued due to modification by the glacial lakes. Eskers are thin elongated ridges of pebbly till trending northeast-southwest. These ridges may be related to giant flutings (furrows or grooves cut by glaciers) in the underlying Queenston shale. The terminal moraines have a general east-west trend and were formed when the ice stagnated for a long period of time. Other deposits, consisting of glacial outwash and beach deposits, exist in large belts (up to 8 miles in length) and are generally 1 to 10 feet thick (Ref. 7).

Surface drainage of the Ontario Plain is northward into Lake Ontario and soil drainage is relatively poor. Surface drainage of the Huron Plain is southward into Tonawanda Creek and is also not well developed (Ref. 7). Surface drainage of the Tonawanda Plain is predominantly westward or southwestward into the upper Niagara River (Ref. 7). Drainage at the site is predominately eastward to a low-lying field.

The soils found on the J. & T. Salvage site are Appleton silt loam and Sun silt loam, which typically have slow runoff rates. Although these soils are naturally ponded at times, they are considered suitable for most regionally cultivated crops if adequate drainage is provided (Ref. 7).

The lacustrine sediments and glacial till of the Niagara Frontier are underlain by sedimentary rocks varying in thickness from 1,980 to 4,200 feet and are Ordovician, Silurian, and Devonian in age. The lower part of the Ordovician system

is composed primarily of limestones and dolostones. The upper part is composed of massive shales, interbedded with thin sandstone layers. These are in turn overlain by the red shales of the Queenston formation.

The Silurian system is composed of the Medina, Clinton, Lockport, and Salina groups. The Medina group consists of sandstones, shales, and siltstones. These are overlain by the limestones, shales, and dolostones of the Clinton, which in turn are overlain by the dolostones of the Lockport group. Above the Lockport are shales, siltstones, and dolostones, and gypsum, anhydrite, and salt beds of the Salina group. The poorly drained Tonawanda Plain is formed on the weathered surface of the Lockport and Salina groups.

The Devonian system overlies Silurian rocks to the south of Niagara County. The formation at the Devonian-Silurian contact is the Onondaga limestone which is a massive cherty limestone that outcrops across most of northern Erie County (Ref. 12).

Niagara County has abundant surface waters bordering it: Tonawanda Creek to the south, the Niagara River to the west, and Lake Ontario to the north. The county's municipal water district draws most of its water from the Niagara River. However, rural residents depend on both bedrock and overburden wells. Municipal water is supplied to all residents in the area, including those within 1 mile of the site who have been recently connected to the system, subsequent to the Phase I investigation (Ref. 6). Groundwater wells may still be used for farming in the area, however. The bedrock wells north of the Niagara Escarpment as well as in the vicinity of the J. & T. Salvage site are dug or drilled into the Queenston shale. The yields of water are often inadequate during extended dry periods and may contain high levels of salt or sulfate. Due to the low permeability of the soils in the area, groundwater exists in perched water tables at depths varying from the ground surface to the bedrock, 0 to 20 feet (Ref. 6).

4.4 CONTAMINATION ASSESSMENT

The J. & T. Salvage site has been filled with coal cinders and hard fill materials in order to stabilize the junkyard roads. An unknown amount of cinders was filled at the site from 1963 to 1975. After 1975, an estimated 5,400 cubic yards

of hard fill materials and 10 tons of crushed quarry stone were filled at the site (Refs. 1, 4).

The hard fill materials consisted of approximately 50% bottom ash from the Carborundum Company (Carborundum) in Niagara Falls; approximately 40% brick from demolished buildings resulting from Niagara Falls urban renewal; approximately 5% road construction materials (concrete, blacktop, and stone) from contractors; and approximately 5% fused Al_2O_3 and silicon carbide from Carborundum, in the form of broken vitrified grinding wheels, kiln furniture, broken and crushed fire brick, furnace sand, and coal (Ref. 1).

On March 19, 1982, NYSDEC collected a soil sample and a surface water sample from a single sampling location on the J. & T. Salvage site. The depth of the soil sample is not known. The soil sample, analyzed for metals, PAHs, total phenols, halogenated organics, and PCBs, showed concentrations of nickel (57 μg/g), aluminum (53,000 μg/g), lead (26 μg/g), and zinc (99 μg/g) (Ref. 5). These levels are well within the range of concentrations normally found in soils in the eastern United States (Ref. 11). Phenolics were detected at a concentration of 0.88 μg/g, and several PAHs were detected at concentrations of up to 69 μg/g. PAHs are typically detected in soils containing waste oils, such as soil that has absorbed spilled automobile oil. Results from the water sample indicated the presence of phenolics at 0.32 mg/L (Ref. 5). It is possible that the automobile salvaging operations on site had a greater effect on the results of the analyses than the fill materials of concern. No PCBs were detected in the soil sample.

Results of additional sampling events conducted by NYTEST Environmental, Inc. for NYSDEC in 1990 and 1991 are presented in Table 4-1 (Ref. 13).

HNu air monitoring performed during the E & E site visit on May 2, 1991 detected no organic or inorganic vapor concentrations above background levels. HNu measurements taken in 1985 as part of the Phase I investigation were all below 1 ppm (Ref. 2). Radiation readings were no higher than background levels during the 1991 E & E site visit.

The E & E site investigation confirmed the presence of large puddles on the junkyard's dirt roads. Wetlands vegetation covered several areas on site. Some of

the standing water exhibited an oily sheen, probably resulting from the leakage of residual oil from the stored automobiles.

Table 4-1

SAMPLE RESULTS FOR J. & T. SALVAGE SITE

Sample Number	Matrix	Contaminant	Result (µg/kg)	Year
A630-08	Soil	Toluene Ethylbenzene	68 100	1991
A630-04	Soil	Pyrene	1,100	1991
A630-05	Soil	Pyrene Fluoranthene Aroclor - 1248	3,200 3,400 2,800	1991
93207402	Soil	Benzene Ethylbenzene Naphthalene Aroclor - 1242	1,500 7,000 22,000 220	1990
932070401	Soil	2-Methylnaphthalene Aroclor - 1242 Aroclor - 1260	3,500 660 1,000	1990

5. ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

5.1 HAZARDOUS WASTE DEPOSITION

From 1963 to 1978, an unknown quantity of fill material comprised largely of cinders was used to stabilize the roads on site. Hard fill deposited from 1978 to 1981 was a mixture of materials including bottom ash, demolished brick buildings, black top, broken vitrified grinding wheels, high-temperature fire brick, chunks of fused aluminum oxide, furnace sand, and coal with wood and stone impurities (Ref. 1).

NYSDEC collected two environmental samples from the same site sampling location on March 19, 1982. The soil sample was analyzed for metals, phenolics, halogenated organics, PCBs, and PAHs. The water sample was analyzed for phenolics only.

The data give no indication that hazardous waste is present at the site, and no documentation of hazardous waste disposal was found.

5.2 SIGNIFICANT THREAT DETERMINATION

No monitoring well sample data exist to assess impacts of this site on groundwater. All residences within 3 miles are connected to the municipal (surface) water supply which obtains its water from the Niagara River, so no significant threat to the water supply is anticipated (Ref. 10).

There has been no indication of contaminant release into the air, as evidenced by the E & E site investigation in May 1991 and the Phase I site visit in March 1985 (Ref. 2 and Appendix B).

Because of the isolation of the salvage yard, the minimal number of workers and trespassers on site, and the relative inertness of the fill, the potential for a direct contact hazard is considered to be low.

There is no critical habitat of endangered species within 1 mile of the site (Ref. 2). The nearest wetlands area is located approximately 500 feet to the northeast, and there are several New York State-regulated wetlands within a 1-mile radius (Ref 8). The nearest surface water is an intermittent stream located to the east adjacent to the site. The nearest residence is located 500 feet east of the site.

Due to the low permeability of the soils in the area (Ref. 6), it is anticipated that vertical migration of contaminants from the site would be minor.

5.3 RECOMMENDATIONS

Hazardous waste disposal has not been confirmed at this site. Results of previous sampling efforts indicate that no hazardous wastes are present. No evidence of significant threat is documented or apparent. Therefore, it is recommended that this site be delisted from the New York State Registry of Inactive Hazardous Waste Sites.

radius (Ref 8). The nearest surface water is an intermittent stream located to the east adjacent to the site. The nearest residence is located 500 feet east of the site.

Due to the low permeability of the soils in the area (Ref. 6), it is anticipated that vertical migration of contaminants from the site would be minor.

5.3 RECOMMENDATIONS

There is no evidence that hazardous wastes have been disposed of on site. No evidence of significant threat is documented or apparent. Therefore, it is recommended that this site be delisted from the New York State Registry of Inactive Hazardous Waste Sites.

APPENDIX A

REFERENCES

REFERENCES

1. Letter from Charles Boos to Charles Goddard of New York State Department of Environmental Conservation Bureau of Hazardous Site Control, November 14, 1984.

2. New York State Department of Environmental Conservation, January 1986, Engineering Investigations at Inactive Hazardous Waste Sites Phase I Investigation.

3. New York State Department of Environmental Conservation, Site Summary/Fact Sheet, 1985.

4. Charles Boos, 1991, Interview Acknowledgment Form.

5. Recra Research, Inc., 1982, sample analytical results.

6. Memo from Mike Hopkins, Niagara County Health Department to Jaspal Walia of New York State Department of Environmental Conservation, Region 9, December 18, 1987.

7. United States Department of Agriculture Soil Conservation Service, 1972, Soil Survey, Niagara County.

8. Map of New York State-Regulated Wetlands, obtained from Niagara County Environmental Management Council, 1991.

9. Land Use Map, obtained from Niagara County Environmental Management Council, 1991.

10. Memo to Peter Buechi from Mike Hopkins, Niagara County Health Department regarding recommendations for J. & T. Salvage site, August 5, 1985.

11. Shacklette, H.T. and J.G. Boerngen, 1984, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States.

12. Tesmer, I.H., 1981, Colossal Cataract, State University of New York Press, Albany, New York.

13. New York State Department of Environmental Conservation, 1991 and 1990, Sample Analytical Results.

REFERENCE 1

J+T Salvage
ID. # 932074
Porter/Niagara Co

November 14, 1984

RECEIVED
NOV 19 1984
BUREAU OF HAZARDOUS
DIVISION OF
HAZARDOUS

Charles Goddard, Chief
Bureau of Hazardous Site Control
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

Dear Mr. Goddard:

In reply to your letter of October 31, 1984 re preliminary field investigation at inactive hazardous waste disposal sites, the above area is not an inactive hazardous waste disposal site. No chemicals, liquids, human waste, garbage have ever been dumped or stored on this site.

The site is a salvage yard which recycles cars for auto parts and metal (junk yard).

The material at the site which I used for a parking lot is construction type material. It is all hard fill, consisting of:

1. Approximately 40% - from demolished brick buildings from urban renewal in Niagara Falls.
2. Approximately 50% - bottom ash from The Carborundum Company in Niagara Falls. This is the same material Niagara County uses on their highways in winter time.
3. Approximately 5% from contractors - broken concret, black top, stone direct (road construction material).
4. Approximately 5% from Carborundum consisting of fused Al_2O_3 - chunks, SiC - in the form of broken vitrified grinding wheels, kiln furniture - broken fire brick (Refrax), Croq - crush fire brick, furnace sand - not foundry sand, coal - this material was contaminated with wood and stone and could not be used in Carborundum's Boiler Room.

Much of the above material was purchased which makes it an industrial product not an industrial waste.

There is nothing at this site that is listed in 6NYCRR - Part 371 that would make it a hazardous waste.

I received a permit from the Town of Porter, the Niagara County Health Department and DEC to build a parking lot.

The Niagara County Health Department and DEC have taken samples and found no hazardous materials. The Building Inspector for the Town of Porter also has inspected the site.

I had to invest in heavy equipment to handle the fill. Your Department than tells me I cannot receive this kind of material so I have to stop making a parking lot. Is there any way New York State can compensate me for losses incurred from the Superfund?

I would like my site removed from your list of hazardous waste sites. If this can not be done could you please send me a permit so I can start receiving this type of material or would you issue me a permit to receive solid construction type material that is not hazardous.

I believe I have answered most of your questions except:

C - 1977-80
D - Quantity 1000 tons?

Very truly yours,

Charles Boos
1209 Balmer Rd.
Youngstown, N.Y.
14174

REFERENCE 2

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

J.T. Salvage — Site No. 932074

Town of Porter — Niagara County

Date: January 1986

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233

Henry G. Williams, *Commissioner*

Division of Solid and Hazardous Waste

Norman H. Nosenchuck, P.E., *Director*

By:

ENGINEERING-SCIENCE

In Association With

DAMES & MOORE

SECTION IV

SITE ASSESSMENT

SITE HISTORY

Since 1975, the 10-acre J & T Automotive Salvage site has been owned and operated as an automotive junkyard by Charles Boos, of Youngstown, New York. From 1963 to 1975, the site was similarly operated under the ownership of John S. Kulck. Due to the muddy nature of the site, particularly in the spring and fall, both Mr. Kulck and Mr. Boos have attempted to stabilize the onsite roads by adding fill materials (ES and D&M, 1985).

Before 1975, fill material was largely comprised of cinders; however, they still did not provide sufficient stability. When Mr. Boos acquired the site, he began receiving a mixture of "hard" fill, including fire brick, brick demolition debris, bottom ash, etc. Much of the wastes, particularly bottom ash, fire brick and furnace sand were from the Carborundum Company located on Buffalo Avenue in Niagara Falls, NY. Fill operations conducted primarily from 1978 to 1980, occurred over approximately one-third of the site (Boos, 1984).

Mr. Boos recently applied to the New York State Department of Environmental Conservation for a permit to dispose of demolition debris at the site; the NYSDEC has not yet acted upon this request (Boos, 1976 and 1984; NYSDEC, 1985).

REFERENCE 3

NAME OF LANDFILL: J.T. Salvage

LOCATION: Bulmer Road, Niagara County

CURRENT OWNER: J.T. Salvage

HISTORY

Carborundum used this site to dispose of fly ash, fire brick, dust collection fines, kiln furniture, and broken grinding wheels. This material was deposited on-site and filled into low areas throughout the junkyard. The last truck load of material was delivered to the site in late 1981.

INVESTIGATION

A representative sample was taken on-site where foundry sands, broken grinding wheels, and fire brick were stockpiled and leveled out in a low area. This sample was analyze as indicated; water sample (phenol) and the soil's sample (phenol, TOH, PCB, and PNA).

SOILS AND GEOLOGICAL INFORMATION

(1) This site is the Raynham series, which consists of deep, somewhat poorly drained medium-textured soils. These soils formed in dominantly calcereous, silty sediments that were deposited in glacial Lake Tonawanda. They are level to gently sloping and occur within the glacial lake area.

(2) Most commonly included with this soil are areas of poorly drained Canandaigua soils. Also included are areas of coarser textured Minoa soils and finer texture Rhinebeck soils.

(3) The rock is classified in the Queenstone Formation formed in the Upper Ordovician Period of the Paleozoic Era. This formation consists of red shale, localized green shale and red siltstone.

SAMPLE ANALYSES

At a single station a soil sample was taken and analyzed for metals, THO, phenols, and PCBs. The water analyses from the same sampling location was analyzed for both phenols and PNA. The soils sampled indicated a high concentration of zinc, and antimony. Also, in the soils sample a detectable amount of THO and phenols were also noted. The water sample indicated a detectable amount of phenols and a moderate amount of PNA.

DISCUSSION OF RESULTS

The material in question at this site is general construction debris, which is used to fill in low spots throughout the junk yard site. The sample results did not indicate any abnormally high concentrations of THO, PCBs and phenols.

[illegible]

The material in question at this site exhibited no abnormal high concentrations of the soils and THO. The material should be allowed to remain as is.

SOILS/GEOLOGY

According to the Soil Conservation Service, Soil Survey for Niagara County, the soils in the area of this site are of the Rhinebeck-Ovid-Madalin Association. These soils are notably flat and somewhat poorly to very poorly drained. Drainage problems dominate use on these soils unless artificially drained. This would account for the access problems prior to placing fill.

It is noted that a letter from Mr. Boos to the Niagara County Health Department (February 1, 1976) states that some of the top soil was removed from the site. The extent of removal and any effect on soil characteristics is unknown.

Experience with nearby facilities indicates that permeable lenses may exist below the surface at random locations. It is not known if such lenses occur beneath the J & T site. The Soil Survey does indicate gravel and sand spots in this area.

Bedrock is Queenston Shale. The shale is typically overlain with a band of gravel and fractured shale. Groundwater occurs principally in this region with very little yield within the unfractured shale. The water bearing zone may be less than one foot in thickness. The shale may be up to 1200 feet thick.

GROUNDWATER

Groundwater is used locally for domestic and farm use. Large diameter wells are often required to obtain sufficient yields. Groundwater is often of poor quality due to salt, hydrogensulfide and hardness. This condition is typical of wells in the Queenston Shale.

Several wells are located within one mile. The residence 1000 feet east of the site uses well water for drinking. This well is known to contain hydrogen sulfide. As many as 100 people within one mile may use groundwater.

SURFACE WATER

The nearest surface water is Four Mile Creek located 5500 feet west of the site. However, the area between the site and the creek is flat and poorly drained. It does not appear likely that runoff from the J & T property could enter the Creek.

Four Mile Creek enters Lake Ontario two miles downstream. There are no users of water from the Creek.

Much of the area within one mile of the site is wetlands.

AIR/FIRE/EXPLOSION

The possibility of noticeable air emissions is very low due to the inert nature of the wastes. Likewise, the potential for fire occurring in the fill material is slim, except where contaminated with oil or gasoline from junked cars.

The nearest residence is 1000 feet away. This residence is the nearest off-site structure. Nearly all the land within a one mile radius is either industrial (USAF Plant 38 and SCA Chemical Services) or agricultural (corn, cabbage and orchards). A trailer park is located about one mile west. Except for this trailer park, less than 200 people live within one mile.

DIRECT CONTACT

The site is surrounded by fencing although portions of the fence need repair. There is no suspected hazard from contact with materials found here.

RECOMMENDATIONS/CONCLUSIONS

The material used as fill is largely inert and apparently non-hazardous. No problems were found during inspections. It appears that auto salvage operations have affected this site more than the disposal of wastes. No further action is recommended.

NAME

J & T SALVAGE (DEC #932074)

LOCATION

This site is operated as an automotive wrecking yard under the name of J & T Salvage and Recycling. The site is located at 1209 Balmer Road in Porter, New York. The property is four acres in area and is enclosed by fencing.

A site sketch is attached.

OWNERSHIP

J & T Auto Salvage and Recycling is owned by Mr. Charles Boos, 1209 Balmer Road, Youngstown, New York 14174 (745-3973 or 745-7079).

HISTORY

This property has been used as an automotive junk yard since the 1960's. Prior to 1976, cinders and other materials were used to stabilize the soil in wet areas to provide access. When the property was acquired by Mr. Boos, the area was filled with "hard" industrial wastes such as broken grinding wheels, abrasives, brick, collector fines and similar materials. The purpose was to provide dry access ways within the junk yard. The wastes came from Carborundum. The use of such materials for fill was approved by the Town of Porter and the Niagara County Health Department in 1976. Wastes were accepted, at least to a limited extent, until 1981.

Inspections were made in June 1981 by Mr. M. Hopkins, Niagara County Health Department, and in April 1982 by DEC personnel.

AERIAL PHOTOGRAPHS

A review of aerial photographs revealed no relevant information except to verify the presence of a junk yard in 1966. The facility has expanded since that time.

PREVIOUS SAMPLING

Soil and water were sampled in April 1982 by the DEC. The analytical results show elevated levels of zinc (53,000 ppm) and antimony (99 ppm) in a soil sample taken from within the site. A water sample showed low level (0.32 mg/l) phenolics. The results of the sample analyses are attached.

REFERENCE 4

SEE APPENDIX C

REFERENCE 5

REF - 12

RECRA RESEARCH, INC.

Hazardous Waste And Toxic Substance Control

April 29, 1982

Mr. John Ryan
New York State Department of
Environmental Conservation
Division of Water Quality Research
Room 519
50 Wolf Road
Albany, NY 12233

Re: Analytical Results

Dear Mr. Ryan:

Please find enclosed Recra Research, Inc.'s results of the analyses of the samples received at our laboratories on March 19, 1982.

If you have any questions concerning these data, do not hesitate to contact the undersigned.

Sincerely,

RECRA RESEARCH, INC.

James A. Ploscyca
Laboratory Manager

DJT/JAP/skb
Enclosure
cc: Mr. Peter Buechi - NYSDEC

I.D. #82-270

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ATOMIC ABSORPTION

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE) R-186-02 (3/19/82) #2
Total antimony	µg/g dry	<8
Total arsenic	µg/g dry	1.6
Total beryllium	µg/g dry	<0.4
Total cadmium	µg/g dry	1.2
Total chromium	µg/g dry	5.7
Total copper	µg/g dry	22
Total lead	µg/g dry	26
Total mercury	µg/g dry	<0.2
Total nickel	µg/g dry	57
Total selenium	µg/g dry	0.83
Total silver	µg/g dry	<0.4
Total thallium	µg/g dry	<4
Total zinc	µg/g dry	99
Total aluminum	µg/g dry	53,000
Total calcium	µg/g dry	37,000

COMMENTS: Results of the analysis of soils are generally corrected for moisture content and reported on a dry weight basis.

FOR RECRA RESEARCH, INC. R. V. Finn

DATE 4/29/82

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

PARAMETER	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE) R-186-02 (3/19/82)
Total Polychlorinated Biphenyls	µg/g dry as Aroclor 1242	<1
Total Recoverable Phenolics	µg/g dry	0.88

COMMENTS: The sample chromatogram for Total Polychlorinated Biphenyls was qualitatively screened for the presence of nine PCB mixtures (Aroclors). These included Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, and 1268.

FOR RECRA RESEARCH, INC. Deborah J. Travis

DATE 4/29/82

RESEARCH INC
D. #82-270

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAS CHROMATOGRAPHY

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DATE	PARAMETER (UNITS OF MEASURE)	
		HALOGENATED ORGANIC SCAN - ECD (µg/g DRY AS CHLORINE; LINDANE STANDARD)	DRY WEIGHT (%)
R-184-01	3/19/82 #1	4.4	76
R-184-02	3/19/82 #2	3.1	79
R-186-02	3/19/82 #1	2.8	48

COMMENTS: Halogenated Organic Scan - ECD results are used for screening purposes only and are not designed for qualification or quantification of any specific organic compound. The results are calculated based upon the response factor and chlorine content of lindane, but do not imply either the presence or absence of the compound itself. Halogenated Organic Scan results generally do not include volatile organic constituents.

FOR RECRA RESEARCH, INC. Deborah J. Travis

DATE 4/29/82

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
HIGH PRESSURE LIQUID CHROMATOGRAPHY

Report Date: 4/29/82
Date Received: 3/19/82

SOIL ANALYSIS

COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE) R-186-02 (3/19/82)
acenaphthene	µg/g dry	<40
acenaphthylene	µg/g dry	<70
anthracene	µg/g dry	5.8
benzo(a)anthracene	µg/g dry	29
benzo(a)pyrene	µg/g dry	69
benzo(b)fluoranthene	µg/g dry	57
benzo(g,h,i)perylene	µg/g dry	57
benzo(k)fluoranthene	µg/g dry	36
chrysene	µg/g dry	42
dibenzo(a,h)anthracene	µg/g dry	66
fluoranthene	µg/g dry	53
fluorene	µg/g dry	2.9
indeno(1,2,3-cd)pyrene	µg/g dry	27
naphthalene	µg/g dry	1.3
phenanthrene	µg/g dry	17
pyrene	µg/g dry	58

COMMENTS: Polynuclear Aromatic Hydrocarbon (PAH's) analysis of soils was performed by mixing equal portions of sample (by weight) with anhydrous sodium sulfate prior to sixteen-hour extraction with 1:1 hexane:acetone in a Soxhlet apparatus. All extracts were subjected to Silica Gel column cleanup according to EPA Method 610 prior to High Pressure Liquid Chromatographic (HPLC) analysis using ultra-violet detection at 254 nm.

FOR RECRA RESEARCH, INC. Stephen Frost

DATE 4/30/82

RESEARCH INC
D. 082-270

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Report Date: 4/29/82
Date Received: 3/19/82

WATER ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DATE	PARAMETER (UNITS OF MEASURE) TOTAL RECOVERABLE PHENOLICS (mg/1)
R-186-01 #2	3/19/82	0.32

COMMENTS: All values reported as "less than" (<) indicate the working detection limit for the particular sample and/or parameter.

All analyses were performed according to U.S. Environmental Protection Agency methodologies where applicable.

FOR RECRA RESEARCH, INC. R. V. Zinn

DATE 4/29/82

REFERENCE 6

MEMORANDUM

NIAGARA COUNTY HEALTH DEPARTMENT

To Jaspal Walia

Date December 18, 1987

From Mike Hopkins

Subject Phase I Report - J T Savage Site 932074

DEC

I have reviewed the above captioned report. Since the time the data was collected (10/85) all of the private wells which were in use at that time have been provided with public water from the Niagara County Water District. Therefore there are no wells in use within three miles of the site at this time. This change results in a lowering of the HRS scores as follows:

- S_M is reduced to 2.37
- S_{GW} is reduced to 3.6

It is pointed out that this change was anticipated when data was collected in 1985 and is noted on the interview form (Ref. 3) which I signed at that time. It seems reasonable that the consultant should have followed up on this, especially since two years have elapsed since that time.

Considering that no wells are in use, no hazardous wastes are known to be present and given the low permeabilities of area soils, this department would consider followup at this site to be a low priority.

Please contact me with any questions at 284-3128.

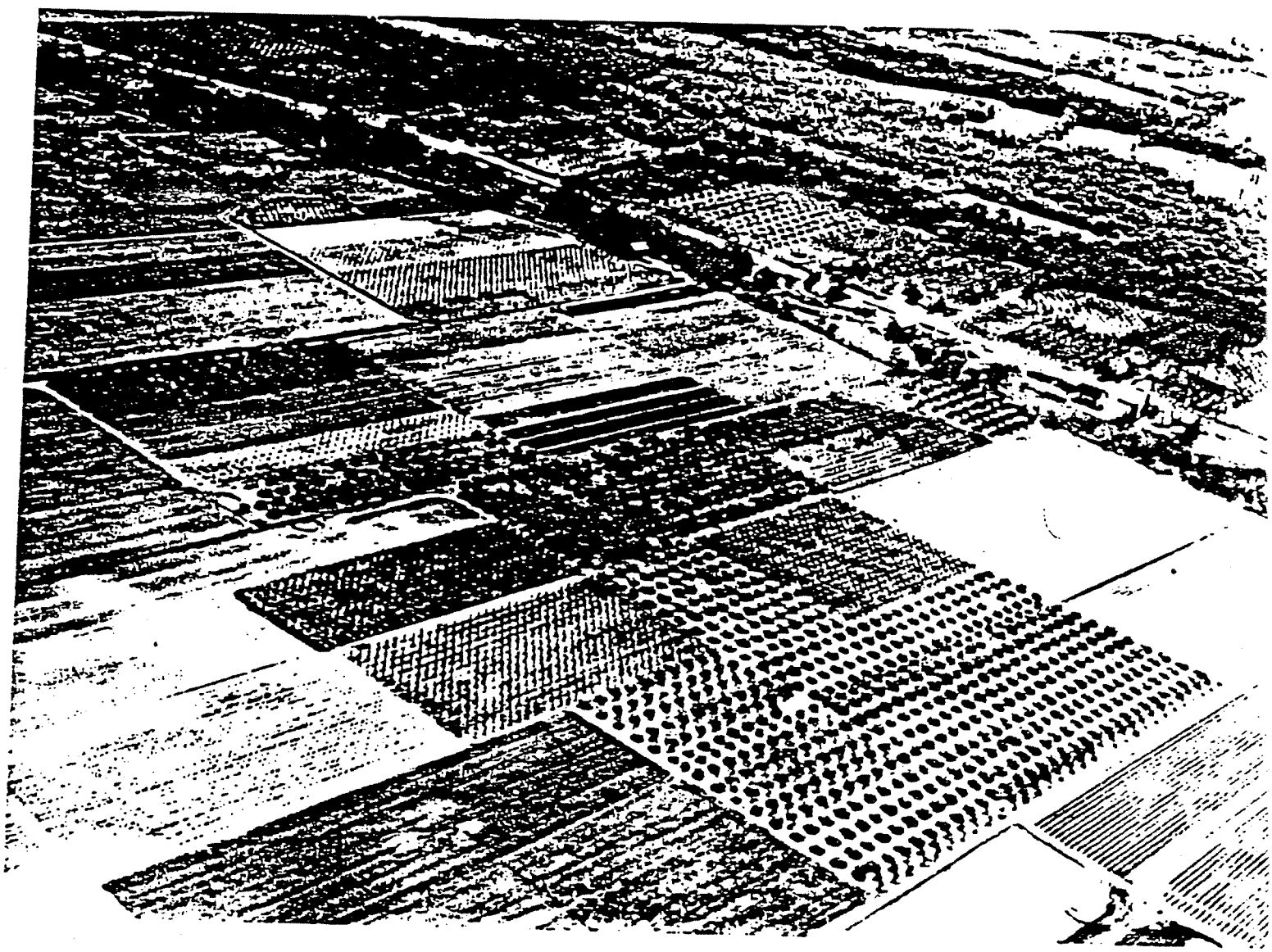
MH:lj

cc: L. Rusin
R. Tramantano

REFERENCE 7

SOIL SURVEY C

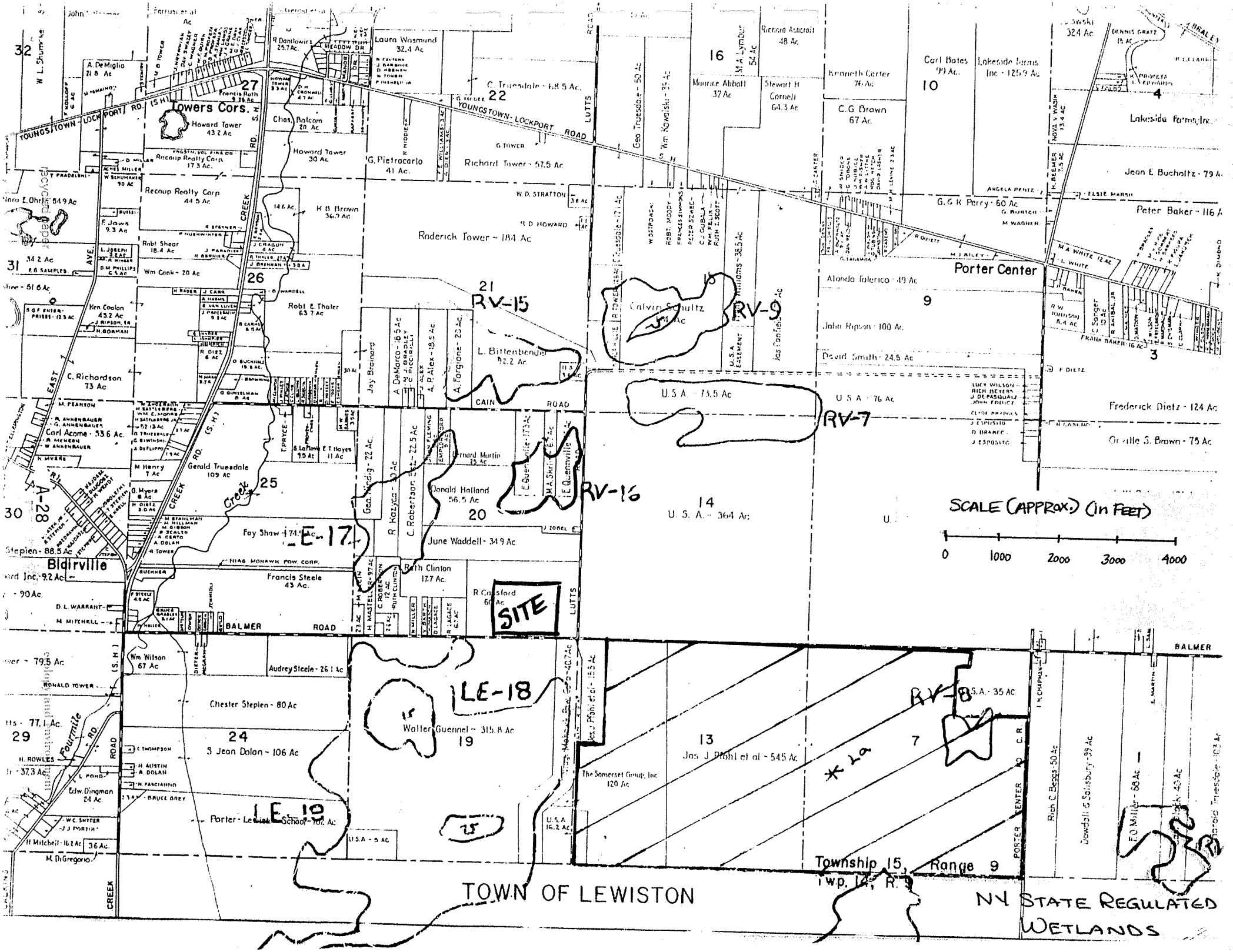
Niagara County, New Yor



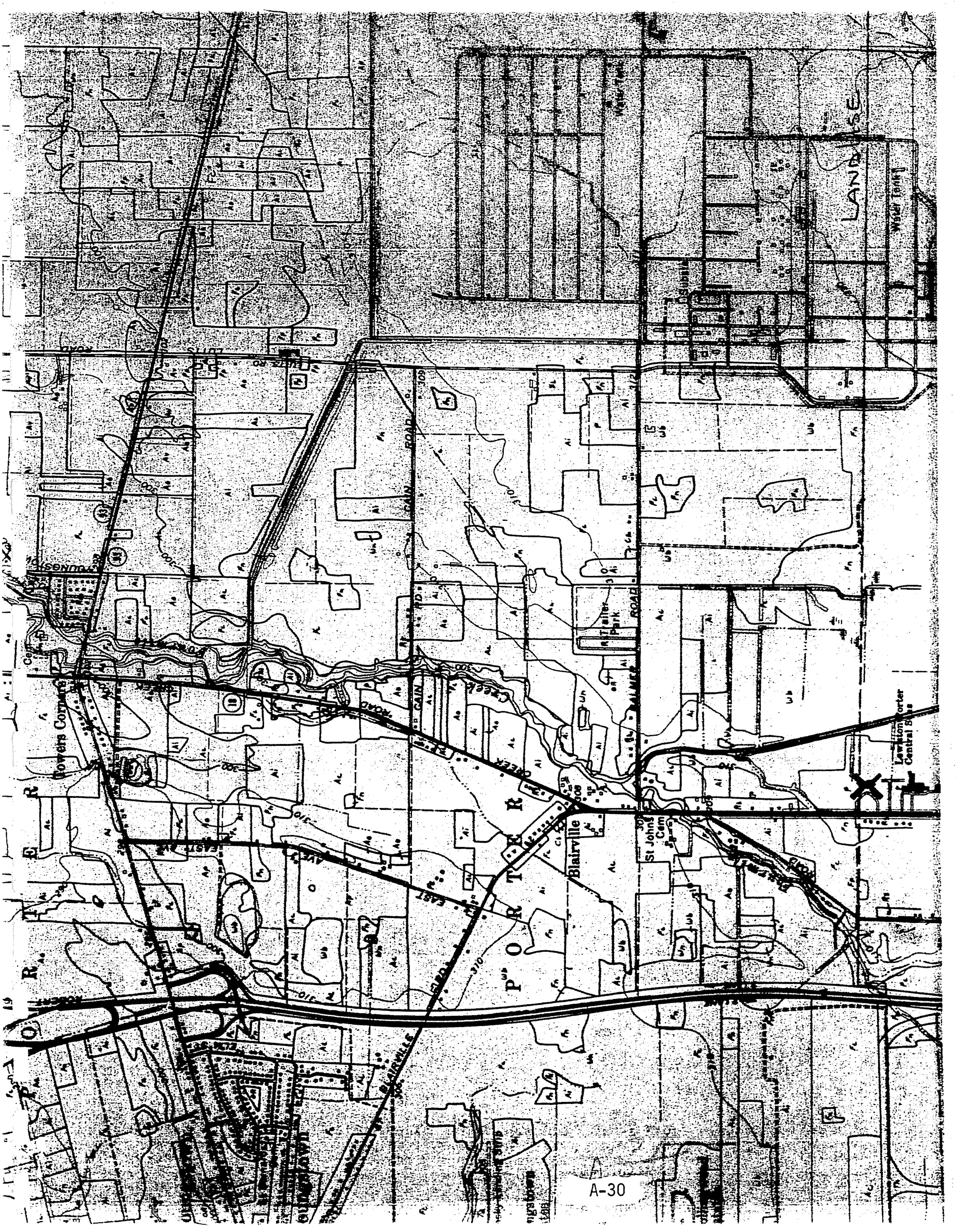
United States Department of Agriculture
Soil Conservation Service
In cooperation with
Cornell University Agricultural Experiment Station

Issued October 1972

REFERENCE 8


YOUNGSTOWN - LOCKPORT RD. (S.H.)
YOUNGSTOWN-LOCKPORT ROAD
Lowers Cors.
Howard Tower 43.2 Ac
Recoup Realty Corp. 44.5 Ac
Recoup Realty Corp. 17.3 Ac.
Chas. Balcom 20 Ac.
Howard Tower 30 Ac.
G. Pietrocarlo 41 Ac.
Richard Tower - 57.5 Ac
Roderick Tower - 184 Ac.
K.B. Brown 36.7 Ac.
Robt. Shear 18.4 Ac.
Wm. Cook - 20 Ac.
Robt. E. Thaler 63.7 Ac.
Ken. Coolon 45.2 Ac.
C. Richardson 73 Ac.
Carl Acome - 33.6 Ac.
Gerald Trueadale 109 Ac.
Geo. Trueadale - 50 Ac.
Kim Kowalski - 85 Ac.
Monroe Abbott 37 Ac.
Stewart H. Cornell 64.3 Ac.
Richard Ashcraft 48 Ac.
M.A. Lymber 54 Ac.
Kenneth Carter 76 Ac.
C.G. Brown 67 Ac.
Carl Bates 99 Ac.
Lakeside Farms Inc. - 125.9 Ac.
Lakeside Farms, Inc.
Jean E. Buchaltz - 79 Ac.
Peter Baker - 116 Ac.
G.G.K. Perry - 60 Ac.
Porter Center
Alondo Talerico - 49 Ac.
John Ripton - 100 Ac.
David Smith - 24.5 Ac.
Frederick Dietz - 124 Ac.
Orville S. Brown - 75 Ac.
U.S.A. - 73.5 Ac.
U.S.A. - 76 Ac.
U.S.A. - 364 Ac.
Calvin Schultz
Williams - 38.5 Ac.
Jay Brainard
A. DeMarco - 16.5 Ac.
A. Forgione - 23 Ac.
L. Bittenbender 92.2 Ac.
Geo. Kindig - 22 Ac.
R. Kaszyca - 22.5 Ac.
C. Robertson - 22.5 Ac.
Donald Holland 56.5 Ac.
Bernard Martin 39 Ac.
June Waddell - 34.9 Ac.
Fay Shaw - 74 Ac.
Bath Clinton 17.7 Ac.
Francis Steele 43 Ac.
R. Crawford 60 Ac.
Bidirville
Stepien - 88.5 Ac.
Wm. Wilson 67 Ac.
Audrey Steele - 26.1 Ac.
Chester Stepien - 80 Ac.
S. Jean Dolan - 106 Ac.
Walter Guennel - 315.8 Ac.
Jos. J. Pfohl et al - 545 Ac.
The Somerset Group, Inc. 120 Ac.
Edw. Dingman 24 Ac.
Porter-Lewiston School - 10 Ac.
Rich C. Beggs - 50 Ac.
Dowdell & Salisbury - 39 Ac.
F.O. Miller - 68 Ac.
RV-15
RV-9
RV-7
RV-16
RV-8
LE-17
LE-18
LE-19
SITE
CAIN ROAD
BALMER ROAD
LUTTS ROAD
EAST AVE.
CREEK RD. (S.H.)
Fourmile Creek
PORTER CENTER RD.
SCALE (APPROX.) (in Feet)
0 1000 2000 3000 4000
Township 15, Range 9
T.wp. 14, R. 9
TOWN OF LEWISTON
NY STATE REGULATED WETLANDS

REFERENCE 9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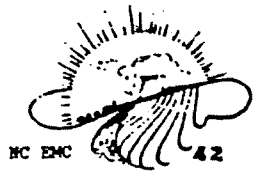
St Johns Cem
Trailer Park
Lewiston Porter Central School
Powers Corners
Water Tank
PORTER



CATEGORY SYMBOLS

NEW YORK STATE LAND USE AND NATURAL RESOURCES INVENTORY

AREA LAND USE DATA

Active

Ao Orchard
Av Vineyard
Ah Horticulture
At High intensity -
✓ Ac Cropland/cropland pasture
Ap Permanent pasture

Inactive

✓ Ai Agriculture Inactive
Ui Urban Inactive
Uc Ui under construction

Specialty Farm

Ay Minks, game, aquatic ag, horse farms

Forestland

✓ Fc Brush cover up to fully stocked poles less than 30 feet
✓ Fn Forest over 30 feet
Fp Plantations, any size

Water

Wn Natural, any size
Wc Artificial, one acre
Ws Streams, rivers - 100 feet

Wetlands

✓ Wb Bogs, shrub wetlands
Ww Wooded wetlands
✓ Wm Marine wetlands, navigable (St. Lawrence)
Wh Hudson River

Non-Productive

Ns Sands
Nr Exposed rocks

Public

✓ P All categories

Communications

Tt Area of service facilities

Residential

Rh High density, 50 feet frontage
Rm Medium density, 50-100 feet frontage
Rl Low density, over 100 feet frontage
✓ Rs Strip with max of 1/3 intermixture of Cs commercial
Rr Rural hamlet
Re Estates, 5 acres
Rc Farm labor camp

Shoreline

Rk Shoreline developed

Commercial

Cu Urban (Downtown)
Cc Shopping center
Cs Commercial strip with max of 1/3 intermixture of Rs or density housing
Cr Resorts

Industrial

Il Light manufacturing
Ih Heavy manufacturing

Outdoor Recreation

OR ALL categories

Extractive

Eg Gravel, sand
Es Stone quarries
Em Minerals, cement, clay
Eu Oil, gas, salt

Transportation

Th Highway (limited access)
Tb Barge canal (channel, lock)
Tp Port or dock
Tl Locks or dams
Ts Shipyards
Ta Airport, any type
Tr Railroad

Land Area Not in New York State

No

REFERENCE 10

File: Reg. 9
Niagara Co.

NIAGARA COUNTY HEALTH DEPARTMENT

MEMORANDUM

TO: Peter Buechi
Attn.: Larry Clare
FROM: Mike Hopkins

DATE: August 5, 1985

SUBJECT: DRAFT PHASE I REPORT - JT SALVAGE SITE

I have reviewed the above captioned Phase I report, and have made comments in blue ink in the page margins. I wish to emphasize the following comments:

1. It is noted that the residents on Balmer Road who are currently using well water are expected to be connected to public water this year.

2. We are unaware of any adjacent property being owned by "Hooker Corp.". The active TDS facilities operated by SCA are over one mile away.

3. It is our opinion that the impact of gas, oil and other substances related to auto wrecking operations has a more significant impact than leachate from waste material. It is anticipated that the total impacts of this site on ground and surface water would be similar to most other auto wrecking operations.

4. The proposed Phase II work plan seems excessive specifically:

   a) Field inspection clearly indicates the location and extent of waste materials, therefore it seems unnecessary to conduct a geophysical survey.

   b) It seems likely that the proposed wells may be too deep to intercept leachate plumes from this site. We would prefer to see shallow overburdened wells, if wells are deemed necessary.

   c) An HNu survey was performed in Phase I. I see no need to repeat this activity. If the HNu is used during other activities (such as well drilling), then this should be listed as a health and safety procedure, not as air monitoring for HRS scoring.

d) We feel that additional waste and/or shallow soil sampling would be more useful than the groundwater and surface water monitoring proposed as Phase II activities. We would prefer to see such sampling done before other work is undertaken.

We consider follow-up investigation of this site to be a low priority.

Please feel free to contact me with any questions.

MH:dm

July 18, 1985

Phase I Investigation Report May 1985

J. T. Salvage Site No 932074

This report is based on the 3/82 analytical results from a single soil sampling. There are no known health problems associated with the site.

The HRS score is calculated at 15.0 and it is doubtful that a Phase II investigation will change that. This score depends on the number of private well users and the distance from the site to their wells. The Porter Town Engineer (W. C. Roe) estimates that there are six homes on Baker Rd which will receive water this year - the contracts have been signed.

If the soil conditions at the J. T. Salvage site are similar to those at the Waste Management Site (SCA) across the street, migration of contaminants in the groundwater is very unlikely.

This report recommends nearly $47,000 worth of work be done to complete a Phase II investigation of this site.

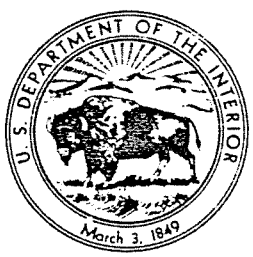
Before this is done, some more soil samples should be obtained to verify the 1982 results

E. J. Fram

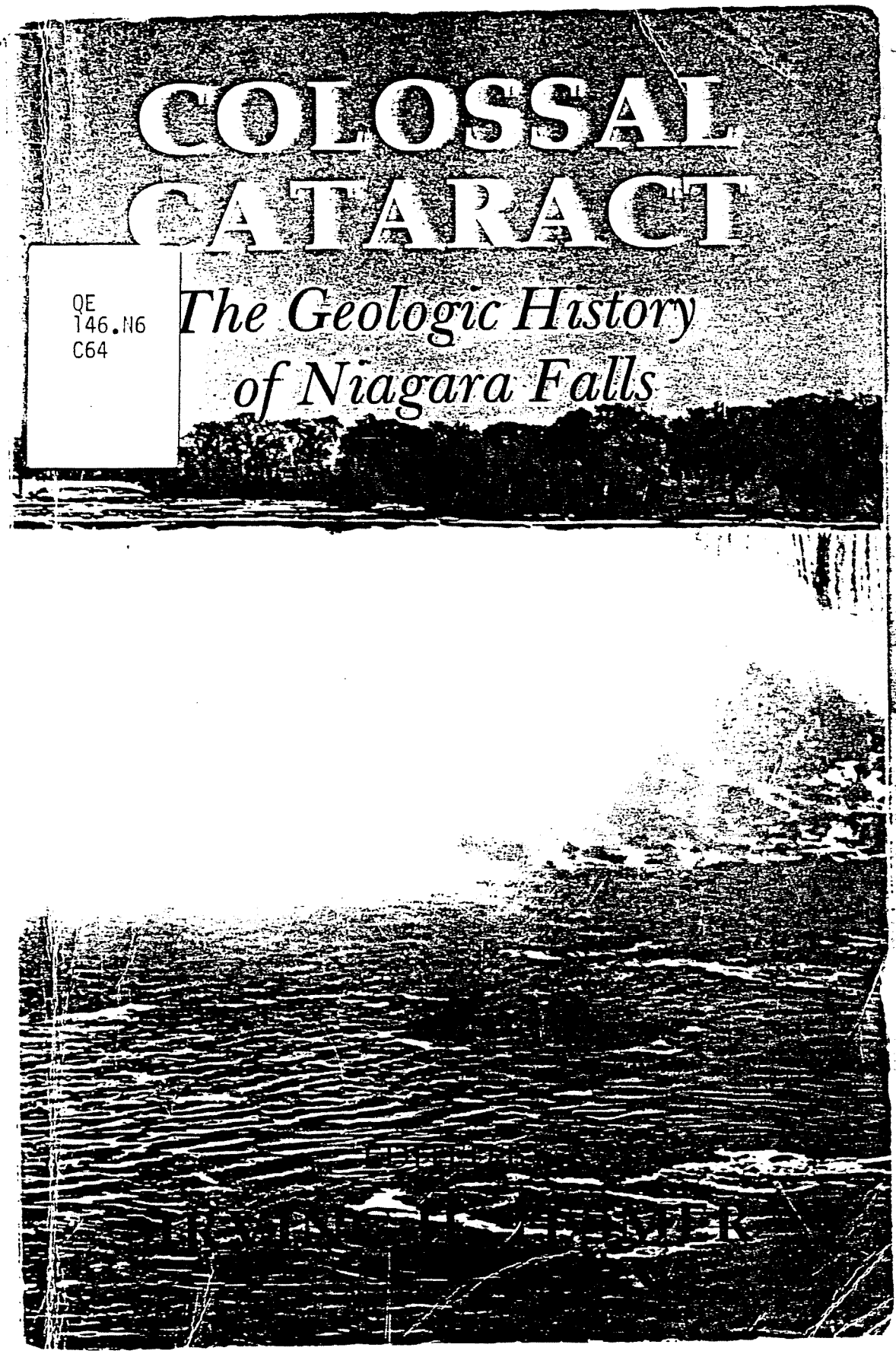
REFERENCE 11

Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States

U.S. GEOLOGICAL SURVEY PROFESSIONAL PAPER 1270



REFERENCE 12



REFERENCE 13

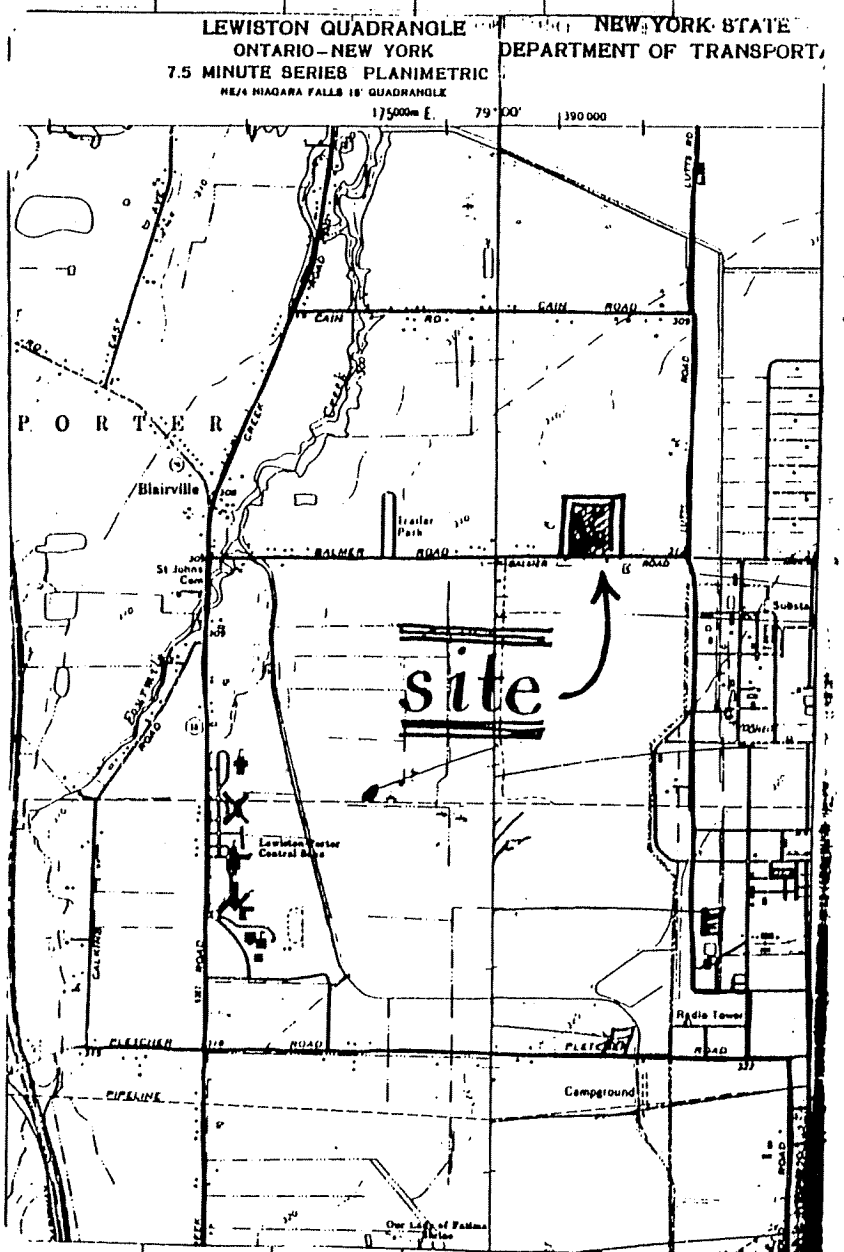
J & T Salvage

NYSDEC
Bureau of Technical Services
50 Wolf Rd., Rm 301
Albany, NY 12233-3502

Attn: Analytical Services Section

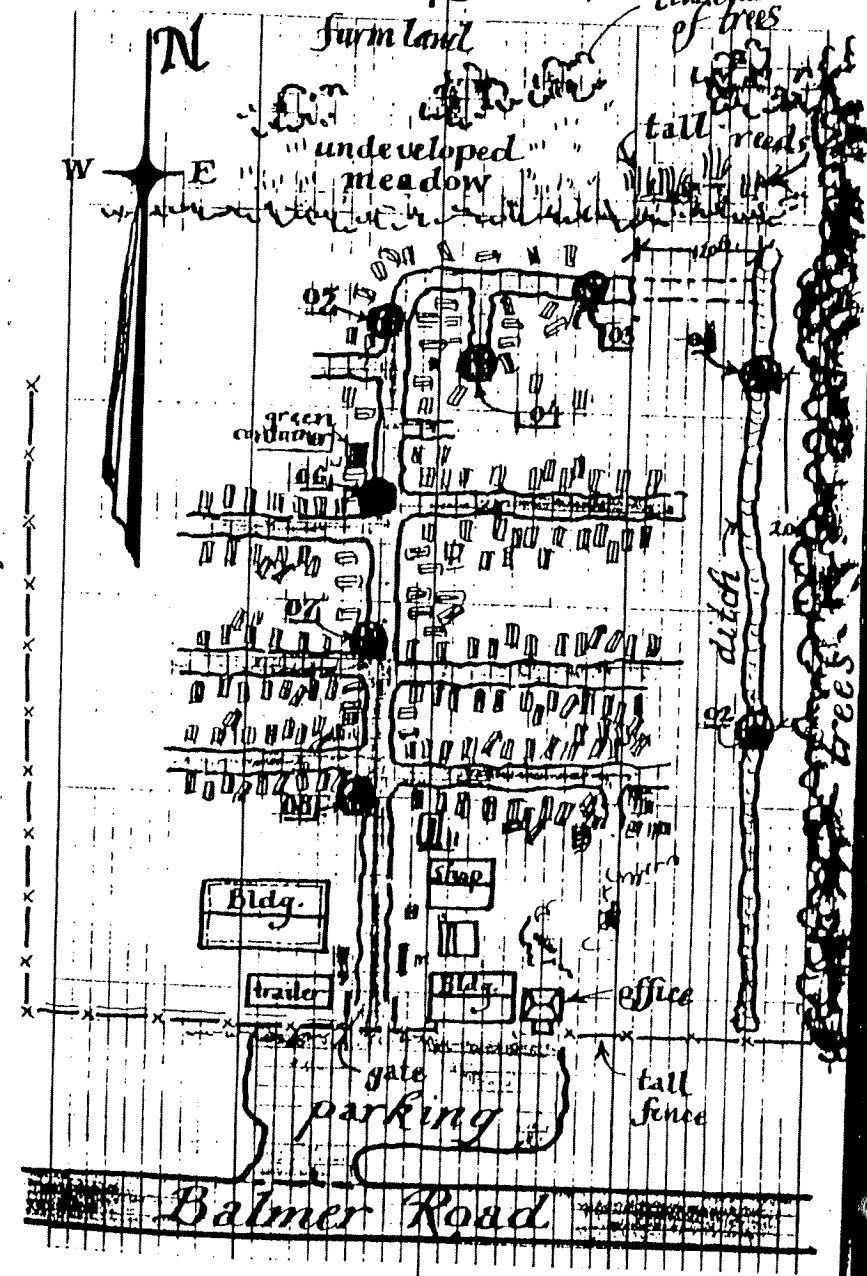
TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc.
box 1518 ▫ 60 seaview blvd., port washington, ny 11050 ▫ (516) 625-5500 ▫ fax (516) 625-1274

·72·



·Location Map·

Sample locations 73. 11/13/91



·Site sketch·

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-08

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040308

Sample wt/vol: 5.0 (g/mL) G Lab File ID: D7648

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 17 Date Analyzed: 11/18/91

Column: (pack/cap) PACK Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	26	B
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	6	U
75-35-4	1,1-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
540-59-0	1,2-Dichloroethene (total)	6	U
67-66-3	Chloroform	6	U
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	U
75-27-4	Bromodichloromethane	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
79-01-6	Trichloroethene	6	U
124-48-1	Dibromochloromethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
71-43-2	Benzene	6	U
10061-02-6	Trans-1,3-Dichloropropene	6	U
75-25-2	Bromoform	6	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-88-3	Toluene	68	
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	100	
100-42-5	Styrene	6	U
1330-20-7	Xylenes (total)	830	E

00049

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-08DL

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040308

Sample wt/vol: 5.0 (g/mL) G Lab File ID: E3643

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 17 Date Analyzed: 11/21/91

Column: (pack/cap) PACK Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	60	U
74-83-9	Bromomethane	60	U
75-01-4	Vinyl Chloride	60	U
75-00-3	Chloroethane	60	U
75-09-2	Methylene Chloride	24	DJ
67-64-1	Acetone	110	BD
75-15-0	Carbon Disulfide	30	U
75-35-4	1,1-Dichloroethene	30	U
75-34-3	1,1-Dichloroethane	30	U
540-59-0	1,2-Dichloroethene (total)	30	U
67-66-3	Chloroform	30	U
107-06-2	1,2-Dichloroethane	30	U
78-93-3	2-Butanone	60	U
71-55-6	1,1,1-Trichloroethane	30	U
56-23-5	Carbon Tetrachloride	30	U
108-05-4	Vinyl Acetate	60	U
75-27-4	Bromodichloromethane	30	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	30	U
79-01-6	Trichloroethene	30	U
124-48-1	Dibromochloromethane	30	U
79-00-5	1,1,2-Trichloroethane	30	U
71-43-2	Benzene	30	U
10061-02-6	Trans-1,3-Dichloropropene	30	U
75-25-2	Bromoform	30	U
108-10-1	4-Methyl-2-Pentanone	60	U
591-78-6	2-Hexanone	60	U
127-18-4	Tetrachloroethene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
108-88-3	Toluene	69	D
108-90-7	Chlorobenzene	30	U
100-41-4	Ethylbenzene	190	D
100-42-5	Styrene	30	U
1330-20-7	Xylenes (total)	1500	DE

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-04

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040304

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A5657

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 15 dec. ____ Date Extracted: 11/17/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/06/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3800	U
83-32-9	Acenaphthene	59	J
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	U
132-64-9	Dibenzofuran	52	J
121-14-2	2,4-Dinitrotoluene	780	U
84-66-2	Diethylphthalate	780	U
7005-72-3	4-Chlorophenyl-phenylether	780	U
86-73-7	Fluorene	72	J
100-01-6	4-Nitroaniline	3800	U
534-52-1	4,6-Dinitro-2-Methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	150	BJ
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	650	J
120-12-7	Anthracene	150	J
84-74-2	Di-n-Butylphthalate	560	J
206-44-0	Fluoranthene	890	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	690	J
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	540	J
218-01-9	Chrysene	750	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1400	B
117-84-0	Di-n-Octyl Phthalate	12000	
205-99-2	Benzo(b)Fluoranthene	780	
207-08-9	Benzo(k)Fluoranthene	400	J
50-32-8	Benzo(a)Pyrene	630	J
193-39-5	Indeno(1,2,3-cd)Pyrene	430	J
53-70-3	Dibenz(a,h)Anthracene	150	J
191-24-2	Benzo(g,h,i)Perylene	560	J

(1) - Cannot be separated from Diphenylamine

00065

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

A630-04

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040304

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A5657

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 15 dec. ____ Date Extracted: 11/17/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/06/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 2.0

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.23	340	JB
2.		SUBSTITUTED BENZENE	6.08	370	J
3.		UNKNOWN ALKANE	20.04	470	J
4.		UNKNOWN PHTHALATE	25.57	4000	J
5.		UNKNOWN PHTHALATE	25.81	33000	J
6.		UNKNOWN PHTHALATE	26.03	4300	J
7.		UNKNOWN PHTHALATE	26.22	3700	J
8.		UNKNOWN PHTHALATE	26.57	6100	J
9.		UNKNOWN PHTHALATE	26.69	4200	J
10.		UNKNOWN PHTHALATE	26.94	28000	J
11.		UNKNOWN PHTHALATE	27.21	14000	J

00066

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-05

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040305

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A5658

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 16 dec. ____ Date Extracted: 11/17/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/06/91

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	9500	U
83-32-9	Acenaphthene	140	J
51-28-5	2,4-Dinitrophenol	9500	U
100-02-7	4-Nitrophenol	9500	U
132-64-9	Dibenzofuran	130	J
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
86-73-7	Fluorene	200	J
100-01-6	4-Nitroaniline	9500	U
534-52-1	4,6-Dinitro-2-Methylphenol	9500	U
86-30-6	N-Nitrosodiphenylamine (1)	280	BJ
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
87-86-5	Pentachlorophenol	9500	U
85-01-8	Phenanthrene	2200	
120-12-7	Anthracene	480	J
84-74-2	Di-n-Butylphthalate	540	J
206-44-0	Fluoranthene	3400	
129-00-0	Pyrene	3200	
85-68-7	Butylbenzylphthalate	840	J
91-94-1	3,3'-Dichlorobenzidine	3900	U
56-55-3	Benzo(a)Anthracene	1400	J
218-01-9	Chrysene	1700	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1000	BJ
117-84-0	Di-n-Octyl Phthalate	2000	U
205-99-2	Benzo(b)Fluoranthene	1700	J
207-08-9	Benzo(k)Fluoranthene	1200	J
50-32-8	Benzo(a)Pyrene	1700	J
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	J
53-70-3	Dibenz(a,h)Anthracene	2000	U
191-24-2	Benzo(g,h,i)Perylene	1100	J

(1) - Cannot be separated from Diphenylamine

00068

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-08

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040308

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A5687

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 17 dec. ____ Date Extracted: 11/17/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2000	U
111-44-4	bis(2-Chloroethyl)Ether	2000	U
95-57-8	2-Chlorophenol	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
100-51-6	Benzyl Alcohol	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
95-48-7	2-Methylphenol	2000	U
108-60-1	bis(2-Chloroisopropyl)Ether	2000	U
106-44-5	4-Methylphenol	2000	U
621-64-7	N-Nitroso-Di-n-Propylamine	2000	U
67-72-1	Hexachloroethane	2000	U
98-95-3	Nitrobenzene	2000	U
78-59-1	Isophorone	2000	U
88-75-5	2-Nitrophenol	2000	U
105-67-9	2,4-Dimethylphenol	2000	U
65-85-0	Benzoic Acid	9600	U
111-91-1	bis(2-Chloroethoxy)Methane	2000	U
120-83-2	2,4-Dichlorophenol	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U
91-20-3	Naphthalene	3100	
106-47-8	4-Chloroaniline	2000	U
87-68-3	Hexachlorobutadiene	2000	U
59-50-7	4-Chloro-3-Methylphenol	2000	U
91-57-6	2-Methylnaphthalene	2200	
77-47-4	Hexachlorocyclopentadiene	2000	U
88-06-2	2,4,6-Trichlorophenol	2000	U
95-95-4	2,4,5-Trichlorophenol	9600	U
91-58-7	2-Chloronaphthalene	2000	U
88-74-4	2-Nitroaniline	9600	U
131-11-3	Dimethyl Phthalate	2000	U
208-96-8	Acenaphthylene	2000	U
606-20-2	2,6-Dinitrotoluene	2000	U

000076

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-08

Lab Name: NYTEST ENV INC Contract: 9118477

Lab Code: NYTEST Case No.: SH091H SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040308

Sample wt/vol: 30.0 (g/mL) G Lab File ID: A5687

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 17 dec. ____ Date Extracted: 11/17/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	9600	U
83-32-9	Acenaphthene	210	J
51-28-5	2,4-Dinitrophenol	9600	U
100-02-7	4-Nitrophenol	9600	U
132-64-9	Dibenzofuran	210	J
121-14-2	2,4-Dinitrotoluene	2000	U
84-66-2	Diethylphthalate	2000	U
7005-72-3	4-Chlorophenyl-phenylether	2000	U
86-73-7	Fluorene	180	J
100-01-6	4-Nitroaniline	9600	U
534-52-1	4,6-Dinitro-2-Methylphenol	9600	U
86-30-6	N-Nitrosodiphenylamine (1)	380	BJ
101-55-3	4-Bromophenyl-phenylether	2000	U
118-74-1	Hexachlorobenzene	2000	U
87-86-5	Pentachlorophenol	9600	U
85-01-8	Phenanthrene	1600	J
120-12-7	Anthracene	370	J
84-74-2	Di-n-Butylphthalate	400	J
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	2200	
85-68-7	Butylbenzylphthalate	2000	U
91-94-1	3,3'-Dichlorobenzidine	4000	U
56-55-3	Benzo(a)Anthracene	1200	J
218-01-9	Chrysene	1400	J
117-81-7	bis(2-Ethylhexyl)Phthalate	300	BJ
117-84-0	Di-n-Octyl Phthalate	2000	U
205-99-2	Benzo(b)Fluoranthene	1100	J
207-08-9	Benzo(k)Fluoranthene	1100	J
50-32-8	Benzo(a)Pyrene	1400	J
193-39-5	Indeno(1,2,3-cd)Pyrene	760	J
53-70-3	Dibenz(a,h)Anthracene	230	J
191-24-2	Benzo(g,h,i)Perylene	910	J

(1) - Cannot be separated from Diphenylamine

00077

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

A63005

Lab Name: NYTEST ENV INC Contract: 9118222

Lab Code: NYTEST Case No.: SH091 SAS No.: _____ SDG No.: 11-13

Matrix: (soil/water) SOIL Lab Sample ID: 1040305

Sample wt/vol: 30 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 11/14/91

% Moisture: not dec. 16 dec. _____ Date Extracted: 11/17/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/27/91

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	48	U
319-85-7	beta-BHC	48	U
319-86-8	delta-BHC	48	U
58-89-9	gamma-BHC (Lindane)	48	U
76-44-8	Heptachlor	48	U
309-00-2	Aldrin	48	U
1024-57-3	Heptachlor epoxide	48	U
959-98-8	Endosulfan I	48	U
60-57-1	Dieldrin	95	U
72-55-9	4,4'-DDE	95	U
72-20-8	Endrin	95	U
33213-65-9	Endosulfan II	95	U
72-54-8	4,4'-DDD	95	U
1031-07-8	Endosulfan sulfate	95	U
50-29-3	4,4'-DDT	95	U
72-43-5	Methoxychlor	480	U
53494-70-5	Endrin ketone	95	U
5103-71-9	alpha-Chlordane	480	U
5103-74-2	gamma-Chlordane	480	U
8001-35-2	Toxaphene	950	U
12674-11-2	Aroclor-1016	480	U
11104-28-2	Aroclor-1221	480	U
11141-16-5	Aroclor-1232	480	U
53469-21-9	Aroclor-1242	480	U
12672-29-6	Aroclor-1248	2800	
11097-69-1	Aroclor-1254	950	U
11096-82-5	Aroclor-1260	950	U

VOL. # 4 LOGIN 10403

Inorganic Data

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

box 1518 ▫ 60 seaview blvd., port washington, ny 11050 ▫ (516) 625-5500 ▫ fax (516) 625-1274

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A630-1

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40301

Level (low/med): LOW Date Received: 11/04/91

% Solids: 73.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20500			P
7440-36-0	Antimony	16.3	B		P
7440-38-2	Arsenic	4.5		S	F
7440-39-3	Barium	139			P
7440-41-7	Beryllium	1.2	B		P
7440-43-9	Cadmium	0.96	U		P
7440-70-2	Calcium	23100			P
7440-47-3	Chromium	26.9			P
7440-48-4	Cobalt	9.9	B		P
7440-50-8	Copper	26.5			P
7439-89-6	Iron	29100			P
7439-92-1	Lead	34.4			P
7439-95-4	Magnesium	8330			P
7439-96-5	Manganese	599			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	31.7			P
7440-09-7	Potassium	2410			P
7782-49-2	Selenium	1.4	U	W	F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	382	U		P
7440-28-0	Thallium	1.4	U		F
7440-62-2	Vanadium	36.1			P
7440-66-6	Zinc	84.2			P
	Cyanide	0.63	U		AS

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-2

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40302

Level (low/med): LOW Date Received: 11/04/91

% Solids: 70.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18500			P
7440-36-0	Antimony	6.2	U		P
7440-38-2	Arsenic	4.3		S	F
7440-39-3	Barium	135			P
7440-41-7	Beryllium	1.1	B		P
7440-43-9	Cadmium	0.99	U		P
7440-70-2	Calcium	8990			P
7440-47-3	Chromium	22.6			P
7440-48-4	Cobalt	12.2	B		P
7440-50-8	Copper	28.8			P
7439-89-6	Iron	29000			P
7439-92-1	Lead	30.1			P
7439-95-4	Magnesium	4830			P
7439-96-5	Manganese	466			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	23.1			P
7440-09-7	Potassium	2350			P
7782-49-2	Selenium	1.4	U		F
7440-22-4	Silver	1.3	U		P
7440-23-5	Sodium	397	U		P
7440-28-0	Thallium	1.4	U		F
7440-62-2	Vanadium	40.0			P
7440-66-6	Zinc	64.9			P
	Cyanide	0.63	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

0u890 7/88

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A630-3

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40303

Level (low/med): LOW Date Received: 11/04/91

% Solids: 81.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3970			P
7440-36-0	Antimony	5.4	U		P
7440-38-2	Arsenic	115		S	F
7440-39-3	Barium	426			P
7440-41-7	Beryllium	2.4			P
7440-43-9	Cadmium	0.86	U		P
7440-70-2	Calcium	1160	B		P
7440-47-3	Chromium	13.4			P
7440-48-4	Cobalt	8.4	B		P
7440-50-8	Copper	55.3			P
7439-89-6	Iron	27500			P
7439-92-1	Lead	58.4			P
7439-95-4	Magnesium	358	B		P
7439-96-5	Manganese	78.7			P
7439-97-6	Mercury	0.37			CV
7440-02-0	Nickel	20.6			P
7440-09-7	Potassium	1460			P
7782-49-2	Selenium	8.5		S	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	344	U		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	36.6			P
7440-66-6	Zinc	70.1			P
	Cyanide	0.53	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-4

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40304

Level (low/med): LOW Date Received: 11/04/91

% Solids: 85.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7580			P
7440-36-0	Antimony	7.9	B		P
7440-38-2	Arsenic	5.2		S	F
7440-39-3	Barium	83.5			P
7440-41-7	Beryllium	0.79	B		P
7440-43-9	Cadmium	0.82	U		P
7440-70-2	Calcium	8080			P
7440-47-3	Chromium	20.3			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	46.2			P
7439-89-6	Iron	25300			P
7439-92-1	Lead	175			P
7439-95-4	Magnesium	3660			P
7439-96-5	Manganese	195			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	31.9			P
7440-09-7	Potassium	594	B		P
7782-49-2	Selenium	1.2	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	667	B		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	42.9			P
7440-66-6	Zinc	404			P
	Cyanide	0.48	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

A630-5

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40305

Level (low/med): LOW Date Received: 11/04/91

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4910			P
7440-36-0	Antimony	9.1	B		P
7440-38-2	Arsenic	6.2		S	F
7440-39-3	Barium	205			P
7440-41-7	Beryllium	0.91	B		P
7440-43-9	Cadmium	0.83	U		P
7440-70-2	Calcium	21400			P
7440-47-3	Chromium	30.2			P
7440-48-4	Cobalt	7.1	B		P
7440-50-8	Copper	85.0			P
7439-89-6	Iron	32300			P
7439-92-1	Lead	327			P
7439-95-4	Magnesium	7000			P
7439-96-5	Manganese	306			P
7439-97-6	Mercury	0.37			CV
7440-02-0	Nickel	56.5			P
7440-09-7	Potassium	889	B		P
7782-49-2	Selenium	1.2	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	333	U		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	64.0			P
7440-66-6	Zinc	491			P
	Cyanide	0.45	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A630-6

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40306

Level (low/med): LOW Date Received: 11/04/91

% Solids: 77.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9680			P
7440-36-0	Antimony	5.7	U		P
7440-38-2	Arsenic	5.6			F
7440-39-3	Barium	141			P
7440-41-7	Beryllium	0.87	B		P
7440-43-9	Cadmium	0.90	U		P
7440-70-2	Calcium	14000			P
7440-47-3	Chromium	12.7			P
7440-48-4	Cobalt	6.0	B		P
7440-50-8	Copper	50.5			P
7439-89-6	Iron	18900			P
7439-92-1	Lead	29.9			P
7439-95-4	Magnesium	4500			P
7439-96-5	Manganese	160			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	11.6			P
7440-09-7	Potassium	854	B		P
7782-49-2	Selenium	1.3	U		F
7440-22-4	Silver	1.2	U		P
7440-23-5	Sodium	449	B		P
7440-28-0	Thallium	1.3	U		F
7440-62-2	Vanadium	22.3			P
7440-66-6	Zinc	127			P
	Cyanide	0.60	U		AS

Color Before: BLACK Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A630-7

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40307

Level (low/med): LOW Date Received: 11/04/91

% Solids: 88.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600			P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	5.5			F
7440-39-3	Barium	57.0			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.79	U		P
7440-70-2	Calcium	4760			P
7440-47-3	Chromium	18.3			P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	29.7			P
7439-89-6	Iron	12700			P
7439-92-1	Lead	67.7			P
7439-95-4	Magnesium	1480			P
7439-96-5	Manganese	171			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	24.6			P
7440-09-7	Potassium	303	B		P
7782-49-2	Selenium	1.1	U		F
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	388	B		P
7440-28-0	Thallium	1.1	U		F
7440-62-2	Vanadium	26.0			P
7440-66-6	Zinc	193			P
	Cyanide	0.42	U		AS

Color Before: GREY Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

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U.S. EPA - CLP

EPA SAMPLE NO.

1

INORGANIC ANALYSIS DATA SHEET

A630-8

Lab Name: NYTEST ENVIRONMENTAL INC. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): SOIL Lab Sample ID: N40308

Level (low/med): LOW Date Received: 11/04/91

% Solids: 83.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4990			P
7440-36-0	Antimony	5.3	U		P
7440-38-2	Arsenic	10.9			F
7440-39-3	Barium	66.7			P
7440-41-7	Beryllium	0.92	B		P
7440-43-9	Cadmium	0.84	U		P
7440-70-2	Calcium	8760			P
7440-47-3	Chromium	14.1			P
7440-48-4	Cobalt	5.6	B		P
7440-50-8	Copper	31.6			P
7439-89-6	Iron	20600			P
7439-92-1	Lead	79.0			P
7439-95-4	Magnesium	1870			P
7439-96-5	Manganese	101			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	41.0			P
7440-09-7	Potassium	557	B		P
7782-49-2	Selenium	1.2	U	W	F
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	336	U		P
7440-28-0	Thallium	1.2	U		F
7440-62-2	Vanadium	53.8			P
7440-66-6	Zinc	127			P
	Cyanide	0.51	U		AS

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

0u896 7/88

TCLP Results 2-J

Sample ID: A630-05
Lab ID: 1040306

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D018	Benzene	0.50	0.05	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its epoxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D013	Lindane	0.4	0.04	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND

ND = NONE DETECTED

01054

TCLP Results 2-J Sample ID: A630-06
Lab ID: 1040306

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D018	Benzene	0.50	0.05	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its epoxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D013	Lindane	0.4	0.04	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND

ND = NONE DETECTED

01072

nytest environmental inc.

TCLP Results 2-J Sample ID: A630-07
Lab ID: 1040307

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D018	Benzene	0.50	0.05	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its epoxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D013	Lindane	0.4	0.04	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND

ND = NONE DETECTED

01090

nytest environmental inc

TCLP Results 2-J Sample ID: A630-08
Lab ID: 1040308

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D018	Benzene	0.50	0.05	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its epoxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D013	Lindane	0.4	0.04	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND

ND = NONE DETECTED

nytest environmental inc.

TCLP Results 2-J Sample ID: TBLK1
Lab ID: TBLK1

EPA Hazardous Waste Number	TCLP Contaminant	Regulatory levels (mg/l)	Practical Quantitation Limit (mg/l)	Found (mg/l)
D018	Benzene	0.50	0.05	ND
D019	Carbon tetrachloride	0.50	0.05	ND
D020	Chlordane	0.03	0.003	ND
D021	Chlorobenzene	100.0	10	ND
D022	Chloroform	6.0	0.6	ND
D023	o-Cresol	200	20	ND
D024	m-Cresol	200	20	ND
D025	p-Cresol	200	20	ND
D026	Cresol	200	20	ND
D016	2,4-D	10.0	1	ND
D027	1,4-Dichlorobenzene	7.5	0.75	ND
D028	1,2-Dichloroethane	0.5	0.05	ND
D029	1,1-Dichloroethylene	0.7	0.07	ND
D030	2,4-Dinitrotoluene	0.13	0.013	ND
D012	Endrin	0.02	0.002	ND
D031	Heptachlor(and its epoxide)	0.008	0.004	ND
D032	Hexachlorobenzene	0.13	0.013	ND
D033	Hexachloro-1,3-butadiene	0.5	0.05	ND
D034	Hexachloroethane	3.0	0.3	ND
D013	Lindane	0.4	0.04	ND
D014	Methoxychlor	10.0	1	ND
D035	Methyl ethyl ketone	200.0	20	ND
D036	Nitrobenzene	2.0	0.2	ND
D037	Pentachlorophenol	100.0	10	ND
D038	Pyridine	5.0	0.5	ND
D039	Tetrachloroethylene	0.7	0.07	ND
D015	Toxaphene	0.5	0.05	ND
D040	Trichloroethylene	0.5	0.05	ND
D041	2,4,5-Trichlorophenol	400.0	40	ND
D042	2,4,6-Trichlorophenol	2.0	0.2	ND
D017	2,4,5-TP (Silvex)	1.0	0.1	ND
D043	Vinyl chloride	0.20	0.02	ND

ND = NONE DETECTED

01238

NYSDEC - ASP
TCLP
1

DEC SAMPLE NO.

A63005

INORGANIC ANALYSIS DATA SHEET

Lab Name: Nytest Environmental Inc. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): WATER Lab Sample ID: T40305

Level (low/med): LOW Date Received: 11/14/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	70.3	U		P
7440-39-3	Barium	1430			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	36.0			P
7440-70-2	Calcium				
7440-47-3	Chromium	5.1	U		P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead	.541			P
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium	61.5			P
7440-22-4	Silver	13.4			P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
TCLP

NYSDEC - ASP
TCLP
1

DEC SAMPLE NO.

A63006

INORGANIC ANALYSIS DATA SHEET

Lab Name: Nytest Environmental Inc. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-/3

Matrix (soil/water): WATER Lab Sample ID: T40306

Level (low/med): LOW Date Received: 11/14/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	70.3	U		P
7440-39-3	Barium	533			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	3.5	U		P
7440-70-2	Calcium				
7440-47-3	Chromium	5.1	U		P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead	17.7	U		P
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium	56.9	U		P
7440-22-4	Silver	5.2	B		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

olor Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

omments:
TCLP

NYSDEC - ASP
TCLP
1

DEC SAMPLE NO.

A63007

INORGANIC ANALYSIS DATA SHEET

Lab Name: Nytest Environmental Inc. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): WATER Lab Sample ID: T40307

Level (low/med): LOW Date Received: 11/14/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	70.3	U		P
7440-39-3	Barium	478			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	7.1			P
7440-70-2	Calcium				
7440-47-3	Chromium	5.1	U		P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead	46.9			P
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium	56.9	U		P
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
TCLP

NYSDEC - ASP
TCLP
1

DEC SAMPLE NO.

A63008

INORGANIC ANALYSIS DATA SHEET

Lab Name: Nytest Environmental Inc. Contract: 9118477

Lab Code: 10195 Case No.: SH091 SAS No.: SDG No.: SDG11-13

Matrix (soil/water): WATER Lab Sample ID: T40308

Level (low/med): LOW Date Received: 11/14/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic	70.3	U		P
7440-39-3	Barium	622			P
7440-41-7	Beryllium				
7440-43-9	Cadmium	8.9			P
7440-70-2	Calcium				
7440-47-3	Chromium	5.1	U		P
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead	63.1			P
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium	56.9	U		P
7440-22-4	Silver	4.6	U		P
7440-23-5	Sodium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
	Cyanide				

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
TCLP

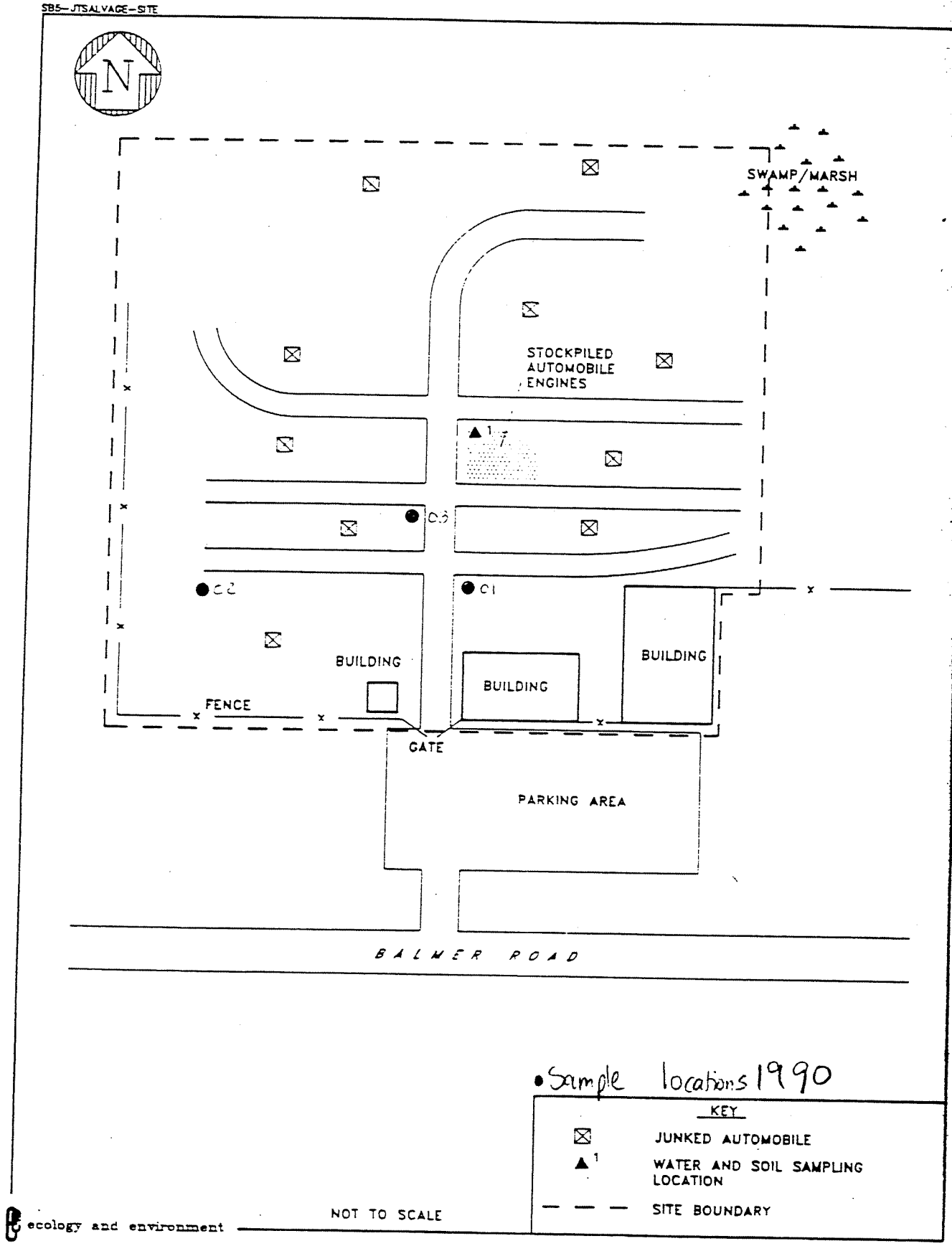

Figure 1-2 SITE MAP, J & T SALVAGE SITE

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93207402 007

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 93207402

Sample wt/vol: 4.5 (g/mL) G Lab File ID: 9812D

Level: (low/med) MED Date Received: 08/07/90

% Moisture: not dec. 11 Date Analyzed: 08/08/90

Column: (pack/cap) PACK Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	150	J
67-64-1	Acetone	3200	
75-15-0	Carbon Disulfide	620	U
75-35-4	1,1-Dichloroethene	620	U
75-34-3	1,1-Dichloroethane	620	U
540-59-0	1,2-Dichloroethene (total)	620	U
67-66-3	Chloroform	620	U
107-06-2	1,2-Dichloroethane	620	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	620	U
56-23-5	Carbon Tetrachloride	620	U
108-05-4	Vinyl Acetate	1200	U
75-27-4	Bromodichloromethane	620	U
78-87-5	1,2-Dichloropropane	620	U
10061-01-5	cis-1,3-dichloropropene	620	U
79-01-6	Trichloroethene	620	U
124-48-1	Dibromochloromethane	620	U
79-00-5	1,1,2-Trichloroethane	620	U
71-43-2	Benzene	1500	
10061-02-6	trans-1,3-dichloropropene	620	U
75-25-2	Bromoform	620	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	620	U
79-34-5	1,1,2,2-Tetrachloroethane	620	U
108-88-3	Toluene	15000	B
108-90-7	Chlorobenzene	620	U
100-41-4	Ethylbenzene	7000	
100-42-5	Styrene	620	U
1330-20-7	Total Xylenes	81000	E

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 009

93207402DL

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 93207402DL

Sample wt/vol: 4.5 (g/mL) G Lab File ID: 9815D

Level: (low/med) MED Date Received: 08/07/90

% Moisture: not dec. 11 Date Analyzed: 08/08/90

Column: (pack/cap) PACK Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl Chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene Chloride	370	DJ
67-64-1	Acetone	2500	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	2500	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
108-05-4	Vinyl Acetate	2500	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	2700	D
10061-02-6	trans-1,3-dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	2500	U
591-78-6	2-Hexanone	2500	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	20000	BD
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	7300	D
100-42-5	Styrene	1200	U
1330-20-7	Total Xylenes	91000	D

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93207402DLRE 01

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 93207402DLRE

Sample wt/vol: 4.5 (g/mL) G Lab File ID: 9823D

Level: (low/med) MED Date Received: 08/07/90

% Moisture: not dec. 11 Date Analyzed: 08/09/90

Column: (pack/cap) PACK Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl Chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene Chloride	330	DJ
67-64-1	Acetone	2500	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	2500	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
108-05-4	Vinyl Acetate	2500	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	3000	D
10061-02-6	trans-1,3-dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	2500	U
591-78-6	2-Hexanone	2500	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	21000	BD
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	7100	D
100-42-5	Styrene	1200	U
1330-20-7	Total Xylenes	82000	D

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

932070401 019

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 932070401

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 4634Z

Level: (low/med) LOW Date Received: 08/07/90

% Moisture: not dec. 24 dec. ____ Date Extracted: 08/08/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/30/90

GPC Cleanup: (Y/N) Y Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	1700	U
111-44-4	bis(2-Chloroethyl)Ether	1700	U
95-57-8	2-Chlorophenol	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
100-51-6	Benzyl Alcohol	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	U
108-60-1	bis(2-Chloroisopropyl)Ether	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-Di-n-Propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	8400	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
120-82-1	1,2,4-Trichlorobenzene	1600	J
91-20-3	Naphthalene	1700	U
106-47-8	4-Chloroaniline	1700	U
87-68-3	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	3500	
91-57-6	2-Methylnaphthalene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	8400	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	8400	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethyl Phthalate	750	J
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 021

932070401

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 932070401

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 4634Z

Level: (low/med) LOW Date Received: 08/07/90

% Moisture: not dec. 24 dec. ____ Date Extracted: 08/08/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/30/90

GPC Cleanup: (Y/N) Y Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q
99-09-2	3-Nitroaniline	U
83-32-9	Acenaphthene	J
51-28-5	2,4-Dinitrophenol	U
100-02-7	4-Nitrophenol	U
132-64-9	Dibenzofuran	J
121-14-2	2,4-Dinitrotoluene	U
84-66-2	Diethylphthalate	U
7005-72-3	4-Chlorophenyl-phenylether	U
86-73-7	Fluorene	J
100-01-6	4-Nitroaniline	U
534-52-1	4,6-Dinitro-2-Methylphenol	U
86-30-6	N-Nitrosodiphenylamine (1)	U
101-55-3	4-Bromophenyl-phenylether	U
118-74-1	Hexachlorobenzene	U
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	U
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	U
91-94-1	3,3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
218-01-9	Chrysene	
117-81-7	Bis(2-Ethylhexyl)Phthalate	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1,2,3-cd)Pyrene	J
53-70-3	Dibenz(a,h)Anthracene	J
191-24-2	Benzo(g,h,i)Perylene	

8400	U
640	J
8400	U
8400	U
710	J
1700	U
1700	U
1700	U
1400	J
8400	U
8400	U
1700	U
1700	U
1700	U
8400	U
8700	
2900	
1700	U
14000	
15000	
3400	
3400	U
9200	
8200	
13000	
1800	
14000	
7600	
7400	
2800	
970	J
1700	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

021

EPA Sample No. 93207401

Lab Name: RECRA ENVIRONMENTAL, INC. Contract: C001741

Lab Code: RECNY Case No: 1507 SAS No: SDG No:

Matrix (Soil/Water): SOIL Lab Sample Id: 93207401

Sample wt/vol: 30.2 (g/ml): G Lab File Id: 4634Z

Level (low/med): LOW Date Received: 08-07-90

% Moisture not Dec: 24 Dec: Date Extracted: 08-08-90

Extraction: (SepF/Cont/Sonc): SONC Date Analyzed: 08-30-90

GPC Cleanup: (Y/N): Y Dilution Factor: 2.0

Number TICs Found: 20 Concentration Units:

(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1		ALKYL SATURATED HYDROCARBON	14.08	740	J
2		PAH DERIVATIVE	14.25	1,000	J
3		ALKYL SATURATED HYDROCARBON	15.83	1,300	J
4		UNKNOWN	28.80	1,200	J
5		UNKNOWN	29.23	3,900	J
6		UNKNOWN	29.45	1,600	J
7		UNKNOWN	30.25	2,400	J
8		UNKNOWN	30.33	980	J
9		UNKNOWN	30.58	1,000	J
10		ALKYL SUBSTITUTED COMPOUND	31.27	2,000	J
11		UNKNOWN	31.35	1,300	J
12		UNKNOWN	31.48	840	J
13		UNKNOWN	31.58	2,600	J
14		LONG CHAIN COMPOUND	31.85	5,100	J
15		UNKNOWN	32.05	2,200	J
16		UNKNOWN	32.23	4,400	J
17		LONG CHAIN HYDROCARBON	32.62	6,800	J
18		UNKNOWN	33.47	12,000	J
19		PAH DERIVATIVE	33.85	7,000	J
20		UNKNOWN	34.20	6,500	J
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

FORM I VOA-TIC

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93207402 02

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: 93207402

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 4547Z

Level: (low/med) LOW Date Received: 08/07/90

% Moisture: not dec. 11 dec. ____ Date Extracted: 08/08/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/90

GPC Cleanup: (Y/N) Y Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)Ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
100-51-6	Benzyl Alcohol	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	bis(2-Chloroisopropyl)Ether	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	7100	U
65-85-0	Benzoic Acid	1500	U
111-91-1	bis(2-Chloroethoxy)Methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	22000	
91-20-3	Naphthalene	1500	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-Methylphenol	15000	
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	7100	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	7100	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethyl Phthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene		

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1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 036

932074-01

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: SS2978

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/07/90

% Moisture: not dec. 25 dec. __ Date Extracted: 08/08/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/21/90

GPC Cleanup: (Y/N) Y Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	21	U
319-85-7	beta-BHC	21	U
319-86-8	delta-BHC	21	U
58-89-9	gamma-BHC(Lindane)	21	U
76-44-8	Heptachlor	21	U
309-00-2	Aldrin	21	U
1024-57-3	Heptachlor epoxide	21	U
959-98-8	Endosulfan I	42	U
60-57-1	Dieldrin	42	U
72-55-9	4,4'-DDE	42	U
72-20-8	Endrin	42	U
33213-65-9	Endosulfan II	42	U
72-54-8	4,4'-DDD	42	U
1031-07-8	Endosulfan sulfate	42	U
50-29-3	4,4'-DDT	210	U
72-43-5	Methoxychlor	42	U
53494-70-5	Endrin ketone	210	U
5103-71-9	alpha-chlordane	210	U
5103-74-2	gamma-chlordane	420	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	210	U
11104-28-2	Aroclor-1221	210	U
11141-16-5	Aroclor-1232	660	
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	420	U
11097-69-1	Aroclor-1254	1000	
11096-82-5	Aroclor-1260		

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 03

932074-02

Lab Name: RECRA ENVIRON Contract: C001741

Lab Code: RECNY Case No.: 1507 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: SS2981

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/07/90

% Moisture: not dec. 11 dec. __ Date Extracted: 08/08/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/21/90

GPC Cleanup: (Y/N) Y Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	18	U
319-85-7	beta-BHC	18	U
319-86-8	delta-BHC	18	U
58-89-9	gamma-BHC(Lindane)	18	U
76-44-8	Heptachlor	18	U
309-00-2	Aldrin	18	U
1024-57-3	Heptachlor epoxide	18	U
959-98-8	Endosulfan I	35	U
60-57-1	Dieldrin	35	U
72-55-9	4,4'-DDE	35	U
72-20-8	Endrin	35	U
33213-65-9	Endosulfan II	35	U
72-54-8	4,4'-DDD	35	U
1031-07-8	Endosulfan sulfate	35	U
50-29-3	4,4'-DDT	180	U
72-43-5	Methoxychlor	35	U
53494-70-5	Endrin ketone	180	U
5103-71-9	alpha-chlordane	180	U
5103-74-2	gamma-chlordane	350	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	180	U
11104-28-2	Aroclor-1221	180	U
11141-16-5	Aroclor-1232	220	
53469-21-9	Aroclor-1242	180	U
12672-29-6	Aroclor-1248	49	J
11097-69-1	Aroclor-1254	350	U
11096-82-5	Aroclor-1260		

EP TOXICITY TEST EXTRACT - METALS

PARAMETER (Units of Measure = mg/l)	ANALYSIS DATE	EPA MAX. CONC.	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-01 (8/7/90)
Total Arsenic	8/24/90	5.0	<0.005
Total Barium	8/28/90	100.0	0.48
Total Cadmium	8/29/90	1.0	0.009
Total Chromium	8/28/90	5.0	<0.010
Total Lead	8/15/90	5.0	0.05
Total Mercury	8/15/90	0.2	<0.0002
Total Selenium	8/28/90	1.0	<0.005
Total Silver	8/28/90	5.0	0.005

Trace

X Standard Addition
___ Non-Standard Addition

EP TOXICITY TEST EXTRACT - METALS

PARAMETER (Units of Measure = mg/l)	ANALYSIS DATE	EPA MAX. CONC.	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-01 Matrix Duplicate (8/7/90)
Total Arsenic	8/24/90	5.0	<0.005
Total Barium	8/28/90	100.0	0.46
Total Cadmium	8/29/90	1.0	0.011
Total Chromium	8/28/90	5.0	<0.010
Total Lead	8/15/90	5.0	0.06
Total Mercury	8/15/90	0.2	<0.0002
Total Selenium	8/28/90	1.0	<0.005
Total Silver	8/28/90	5.0	<0.005

X Standard Addition
___ Non-Standard Addition

I.D. #90-1507

RECRA ENVIRONMENTAL, INC.

EP TOXICITY TEST EXTRACT - METALS

PARAMETER (Units of Measure = mg/l)	ANALYSIS DATE	EPA MAX. CONC.	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-02 (8/7/90)
Total Arsenic	8/24/90	5.0	<0.005
Total Barium	8/28/90	100.0	0.13
Total Cadmium	8/29/90	1.0	0.007
Total Chromium	8/28/90	5.0	<0.010
Total Lead	8/15/90	5.0	0.08
Total Mercury	8/15/90	0.2	<0.0002
Total Selenium	8/28/90	1.0	<0.005
Total Silver	8/28/90	5.0	<0.005

X Standard Addition
___ Non-Standard Addition

EP TOXICITY TEST EXTRACT - METALS

PARAMETER (Units of Measure = mg/l)	ANALYSIS DATE	EPA MAX. CONC.	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-03 (8/7/90)
Total Arsenic	8/24/90	5.0	0.009
Total Barium	8/28/90	100.0	0.52
Total Cadmium	8/29/90	1.0	0.018
Total Chromium	8/28/90	5.0	<0.010
Total Lead	8/15/90	5.0	0.22
Total Mercury	8/15/90	0.2	0.00021
Total Selenium	8/28/90	1.0	<0.005
Total Silver	8/28/90	5.0	<0.005

X Standard Addition
___ Non-Standard Addition

I.D. #90-1507

SOIL MATRIX
TOTAL METALS

PARAMETER µg/g (Units of Measure = Dry)	METHOD NUMBER	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-01 (8/7/90)
Total Aluminum	6010	8/10/90	17,900
Total Antimony	7040	8/21/90	<1.3
Total Arsenic	7060	8/23/90	24.2
Total Barium	6010	8/10/90	245
Total Beryllium	7090	8/10/90	1.1
Total Cadmium	7130	8/10/90	1.8
Total Calcium	7140	8/17/90	15,200
Total Chromium	6010	8/21/90	31.4
Total Cobalt	6010	8/10/90	7.5
Total Copper	6010	8/10/90	144
Total Iron	6010	8/10/90	26,500
Total Lead	6010	8/10/90	199
Total Magnesium	6010	8/10/90	5,520
Total Manganese	6010	8/10/90	373
Total Mercury	7470	8/15/90	0.64
Total Nickel	6010	8/10/90	62.2
Total Potassium	6010	8/24/90	2,700
Total Selenium	7740	8/22/90	<0.67
Total Silver	7760	8/15/90	1.2
Total Sodium	6010	8/10/90	739
Total Thallium	7841	8/23/90	<0.67
Total Vanadium	7910	8/24/90	53.5
Total Zinc	6010	8/10/90	602

SOIL MATRIX
TOTAL METALS

PARAMETER ug/g (Units of Measure = Dry)	METHOD NUMBER	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-01 Matrix Duplicate (8/7/90)
Total Aluminum	6010	8/10/90	17,700
Total Antimony	7040	8/21/90	<1.4
Total Arsenic	7060	8/23/90	25.9
Total Barium	6010	8/10/90	250
Total Beryllium	7090	8/10/90	1.2
Total Cadmium	7130	8/10/90	2.0
Total Calcium	7140	8/17/90	14,800
Total Chromium	6010	8/21/90	28.4
Total Cobalt	6010	8/10/90	7.7
Total Copper	6010	8/10/90	142
Total Iron	6010	8/10/90	25,400
Total Lead	6010	8/10/90	190
Total Magnesium	6010	8/10/90	6,280
Total Manganese	6010	8/10/90	337
Total Mercury	7470	8/15/90	0.73
Total Nickel	6010	8/10/90	56.0
Total Potassium	6010	8/24/90	2,170
Total Selenium	7740	8/22/90	0.72
Total Silver	7760	8/15/90	1.1
Total Sodium	6010	8/10/90	703
Total Thallium	7841	8/23/90	0.72
Total Vanadium	7910	8/24/90	54.6
Total Zinc	6010	8/10/90	533

I.D. #90-1507

SOIL MATRIX
TOTAL METALS

PARAMETER ug/g (Units of Measure = Dry)	METHOD NUMBER	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-02 (8/7/90)
Total Aluminum	6010	8/10/90	6,290
Total Antimony	7040	8/21/90	<1.0
Total Arsenic	7060	8/23/90	4.9
Total Barium	6010	8/10/90	35.9
Total Beryllium	7090	8/10/90	0.44
Total Cadmium	7130	8/10/90	0.16
Total Calcium	7140	8/17/90	6,650
Total Chromium	6010	8/21/90	25.0
Total Cobalt	6010	8/10/90	2.6
Total Copper	6010	8/10/90	73.0
Total Iron	6010	8/10/90	8,670
Total Lead	6010	8/10/90	47.7
Total Magnesium	6010	8/10/90	1,720
Total Manganese	6010	8/10/90	82.2
Total Mercury	7470	8/15/90	<0.098
Total Nickel	6010	8/10/90	23.4
Total Potassium	6010	8/24/90	284
Total Selenium	7740	8/22/90	<0.51
Total Silver	7760	8/15/90	0.76
Total Sodium	6010	8/10/90	536
Total Thallium	7841	8/23/90	<0.51
Total Vanadium	7910	8/24/90	30.5
Total Zinc	6010	8/10/90	127

I.D. #90-1507

SOIL MATRIX
TOTAL METALS

PARAMETER ug/g (Units of Measure = Dry)	METHOD NUMBER	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-03 (8/7/90)
Total Aluminum	6010	8/10/90	13,200
Total Antimony	7040	8/21/90	<1.2
Total Arsenic	7060	8/23/90	7.2
Total Barium	6010	8/10/90	142
Total Beryllium	7090	8/10/90	1.3
Total Cadmium	7130	8/10/90	0.80
Total Calcium	7140	8/17/90	119,000
Total Chromium	6010	8/21/90	29.8
Total Cobalt	6010	8/10/90	11.0
Total Copper	6010	8/10/90	101
Total Iron	6010	8/10/90	26,600
Total Lead	6010	8/10/90	69.0
Total Magnesium	6010	8/10/90	11,000
Total Manganese	6010	8/10/90	1,120
Total Mercury	7470	8/15/90	<0.088
Total Nickel	6010	8/10/90	51.1
Total Potassium	6010	8/24/90	1,250
Total Selenium	7740	8/22/90	<0.62
Total Silver	7760	8/15/90	2.5
Total Sodium	6010	8/10/90	631
Total Thallium	7841	8/23/90	<0.62
Total Vanadium	7910	8/24/90	50.9
Total Zinc	6010	8/10/90	291

I.D. #90-1507

SOIL MATRIX
WATER QUALITY TESTING

PARAMETER	METHOD NUMBER	UNITS OF MEASURE	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-01 (8/7/90)
Total Cyanide	9010	ug/g Dry	8/13/90	0.70

SOIL MATRIX
WATER QUALITY TESTING

PARAMETER	METHOD NUMBER	UNITS OF MEASURE	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-01 Matrix Duplicate (8/7/90)
Total Cyanide	9010	ug/g Dry	8/13/90	0.76

I.D. #90-1507

SOIL MATRIX
WATER QUALITY TESTING

PARAMETER	METHOD NUMBER	UNITS OF MEASURE	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-02 (8/7/90)
Total Cyanide	9010	ug/g Dry	8/13/90	<0.45

SOIL MATRIX
WATER QUALITY TESTING

PARAMETER	METHOD NUMBER	UNITS OF MEASURE	ANALYSIS DATE	SAMPLE IDENTIFICATION (DATE) SH990-0807-932074-03 (8/7/90)
Total Cyanide	9010	ug/g Dry	8/13/90	0.64

I.D. #90-1507

APPENDIX B
SITE INSPECTION REPORT
(EPA FORM 2070-13)

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. SITE NAME AND LOCATION

01 Site Name (legal, common, or descriptive name of site)	02 Street, Route No., or specific location identifier
J. & T. Salvage	1209 Balmer Road

03 City	04 State	05 Zip Code	06 County	07 County Code	08 Cong. Dist.
Town of Porter	NY	14174	Niagara	063	36

09 Coordinates		10 Type of Ownership (check one)
Latitude	Longitude	[X] A. Private [ ] B. Federal _____ [ ] C. State [ ] D. County
43° 13' 56"	079° 03' 36"	[ ] E. Municipal [ ] F. Other _____ [ ] G. Unknown

III. INSPECTION INFORMATION

01 Date of Inspection	02 Site Status	03 Years of Operation (Acceptance of hard fill)
5/2/91 (Month Day Year)	[ ] Active [X] Inactive; [ ] No longer accepting hard fill	1975 (Beginning Year) – 1981 (Ending Year) [ ] Unknown

04 Agency Performing Inspection (check all that apply)
[ ] A. EPA [ ] B. EPA Contractor _____ (name of firm) [ ] C. Municipal [ ] D. Municipal Contractor _____ (name of firm)
[ ] E. State [X] F. State Contractor Ecology and Environment Engineering, P.C. (name of firm) [ ] G. Other _____ (specify)

05 Chief Inspector	06 Title	07 Organization	08 Telephone No.
Linda Fischer	Environmental Analyst	E & E	(716) 684-8060
09 Other Inspectors	10 Title	11 Organization	12 Telephone No.
Scott Glinski	Environmental Planner	E & E	(716) 684-8060
Abul Barkat		NYSDEC	(716) 847-4590
			( )
			( )
13 Site Representatives Interviewed	14 Title	15 Address	16 Telephone No.
Charles Boos	Owner J & T Automotive Salvage	1209 Balmer Road Youngstown, NY	(716) 278-6072
			( )
			( )

17 Access Gained by (check one)	18 Time of Inspection	19 Weather Conditions
[X] Permission [ ] Warrant		overcast, ~60°F, windy

IV. INFORMATION AVAILABLE FROM

01 Contact	02 Of (Agency/Organization)	03 Telephone No.
Abul Barkat	NYSDEC	(716) 847-4590

04 Person Responsible for Site Inspection Form	05 Agency	06 Organization	07 Telephone No.	08 Date
Scott Glinski		E & E	(716) 684-8060	5 / 6 / 91 (Month Day Year)

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 Physical States (check all that apply)

[X] A. Solid
[X] B. Powder, Fines
[ ] C. Sludge
[ ] D. Other _____
[ ] E. Slurry
[ ] F. Liquid
[ ] G. Gas

02 Waste Quantity at Site (measure of waste quantities must be independent)

Tons _____
Cubic Yards 5,400
No. of Drums _____

03 Waste Characteristics (check all that apply)

[ ] A. Toxic
[ ] B. Corrosive
[ ] C. Radioactive
[X] D. Persistent
[ ] E. Soluble
[ ] F. Infectious
[ ] G. Flammable
[ ] H. Ignitable
[ ] I. Highly volatile
[ ] J. Explosive
[ ] K. Reactive
[ ] L. Incompatible
[ ] M. Not applicable

III. WASTE TYPE

Category	Substance Name	01 Gross Amount	02 Unit of Measure	03 Comments
Other		5,400	cubic yards	Parking lot fill consists of: brick; broken concrete; broken
SLU	Sludge			blacktop and stone; bottom ash; chunks of fused Al_2O_3; Sic
SOL	Solvents			in the form of broken vitrified grinding wheels; furnace
PSD	Pesticides			sound; and coal.
OOC	Other organic chemicals			
OLW	Oily waste	Unknown		Engine oils on site from junked cars.
IOC	Inorganic chemicals			
ACD	Acids			
BAS	Bases			
MES	Heavy metals			

IV. HAZARDOUS SUBSTANCES (see Appendix for most frequently cited CAS Numbers)

01 Category	02 Substance Name	03 CAS Number	04 Storage/Disposal Method	05 Concentration	06 Measure of Concentration

V. FEEDSTOCKS (see Appendix for CAS Numbers)

Category	01 Feedstock Name	02 CAS Number	Category	01 Feedstock Name	02 CAS Number
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

- Letter from Charles Boos (owner) to Charles Goddard, NYSDEC November 14, 1984
- Site inspection by Engineering-Science, Inc. on March 18, 1985
- Recra Research, Inc. April 29, 1982

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [ ] A. Groundwater Contamination — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected 0 — 04 Narrative Description:

No groundwater sampling has been done to characterize contamination. All residents within 3 miles are served by public (surface) water supply.

01 [ ] B. Surface Water Contamination — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected _____ — 04 Narrative Description:

There were low levels of phenolics detected in sample collected by Recra Research, Inc. from pooled standing water on site (April 27, 1982). However, no sampling of nearby tributary, swamp, or other off-site surface water has occurred.

01 [ ] C. Contamination of Air — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected _____ — 04 Narrative Description:

Potential is low, due to inert nature of wastes. None documented during site inspection.

01 [ ] D. Fire/Explosive Conditions — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected _____ — 04 Narrative Description:

In general, the potential is low, except where contaminated with oil and gasoline from junked cars.

01 [ ] E. Direct Contact — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected _____ — 04 Narrative Description:

The area is surrounded by fencing. No incidences of direct contact problems are documented.

01 [X] F. Contamination of Soil — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Area Potentially Affected Approximately 3-4 acres — 04 Narrative Description:

Analysis of soil sample collected by Recra Research, Inc. for NYSDEC in March 1982 revealed the presence of phenol, polynuclear aromatic hydrocarbons (PAHs), and several heavy metals.

01 [ ] G. Drinking Water Contamination — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected _____ — 04 Narrative Description:

None documented; potential is expected to be low.

01 [ ] H. Worker Exposure/Injury — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Workers Potentially Affected <4 — 04 Narrative Description:

No incidents on record.

01 [ ] I. Population Exposure/Injury — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
03 Population Potentially Affected _____ — 04 Narrative Description:

Unknown

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. HAZARDOUS CONDITIONS AND INCIDENTS (Cont.)

01 [ ] J. Damage to Flora — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
04 Narrative Description:

Nothing noted

01 [ ] K. Damage to Fauna — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
04 Narrative Description:

Unknown

01 [ ] L. Contamination of Food Chain — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
04 Narrative Description:

None documented or alleged.

01 [ ] M. Unstable Containment of Wastes (spills/ runoff/standing liquids, leaking drums) — 02 [ ] Observed (date _____) — [X] Potential — [ ] Alleged
03 Population Potentially Affected: _____
04 Narrative Description:

Fill materials placed on ground; no lining. Some standing liquid found on site; possible oil or other engine fluid leakage.

01 [ ] N. Damage to Off-site Property — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
04 Narrative Description:

None documented

01 [ ] O. Contamination of Sewers, Storm Drains, WWTPs — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
04 Narrative Description:

None on record or alleged.

01 [ ] P. Illegal/Unauthorized Dumping — 02 [ ] Observed (date _____) — [ ] Potential — [ ] Alleged
04 Narrative Description:

None

05 Description of Any Other Known, Potential, or Alleged Hazards

None

III. TOTAL POPULATION POTENTIALLY AFFECTED <4

IV. COMMENTS

V. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

- Letter from Charles Boos, owner, to Charles Goddard, NYSDEC November 14, 1984
- Phase I report by Engineering-Science, Inc. January 1986
- Niagara County Health Department
- E & E site inspection May 2, 1991

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. PERMIT INFORMATION

01 Type of Permit Issued (check all that apply)	02 Permit Number	03 Date Issued	04 Expiration Date	05 Comments
[ ] A. NPDES NA				
[ ] B. UIC				
[ ] C. AIR				
[ ] D. RCRA				
[ ] E. RCRA Interim Status				
[ ] F. SPCC Plan				
[ ] G. State (specify)				
[X] H. Local (specify)		1975	1995	Town of Porter 20-year
[ ] I. Other (specify)				permit for junkyard
[ ] J. None				operation.

III. SITE DESCRIPTION

01 Storage Disposal (check all that apply)	02 Amount	03 Unit of Measure
[ ] A. Surface Impoundment		
[ ] B. Piles		
[ ] C. Drum, Aboveground		
[ ] D. Tank, Aboveground		
[ ] E. Tank, Belowground		
[ ] F. Landfill		
[ ] G. Landfarm		
[ ] H. Open Dump		
[X] I. Other Road fill (specify)	5,400	cu. yds.

04 Treatment (check all that apply)

- [ ] A. Incineration
- [ ] B. Underground Injection
- [ ] C. Chemical/Physical
- [ ] D. Biological
- [ ] E. Waste Oil Processing
- [ ] F. Solvent Recovery
- [ ] G. Other Recycling Recovery
- [ ] H. Other _____ (specify)

05 Other

[X] Buildings On Site
3 buildings

06 Area of Site

10 Acres

07 Comments

IV. CONTAINMENT None

01 Containment of Wastes (check one)

[ ] A. Adequate, Secure [ ] B. Moderate [X] C. Inadequate, Poor [ ] D. Insecure, Unsound, Dangerous

02 Description of Drums, Diking, Liners, Barriers, etc.
None

V. ACCESSIBILITY Site is fenced off to the public.

01 Waste Easily Accessible [ ] Yes [X] No
02 Comments

VI. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

NYSDEC files
Letter from Charles Boos to Niagara County Health Department, February 1, 1976
Phase I Report Engineering-Science, Inc. January 1986
E & E Site Inspection May 2, 1991

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. DRINKING WATER SUPPLY

01 Type of Drinking Supply (check as applicable)

	Surface	Well
Community	A. [X]	B. [ ]
Non-community	C. [ ]	D. [ ]

02 Status

Endangered	Affected	Monitored
A. [ ]	B. [ ]	C. [ ]
D. [ ]	E. [ ]	F. [ ]

03 Distance to Site

A >3 (mi)

B _____ (mi)

III. GROUNDWATER

01 Groundwater Use in Vicinity (check one)

[ ] A. Only Source for Drinking [ ] B. Drinking (other sources available) Commercial, Industrial, Irrigation (no other water sources available) [ ] C. Commercial, Industrial, Irrigation (limited other sources available) [X] D. Not Used, Unusable

02 Population Served by Groundwater 0

03 Distance to Nearest Drinking Water Well >3 (mi)

04 Depth to Groundwater	05 Direction of Groundwater Flow	06 Depth to Aquifer of Concern	07 Potential Yield of Aquifer	08 Sole Source Aquifer
Variable. Perched water tables (ft)	Unknown. Assumed to flow westward to Four Mile Creek.	Unknown (ft)	Unknown (gpd)	[ ] Yes [X]No [ ] Unknown

09 Description of Wells (including usage, depth, and location relative to population and buildings)

Since the 1985 Phase I report was released, the nearby areas that previously used private wells for drinking water have been connected to the public (surface) water supply of Niagara County Water District.

10 Recharge Area	11 Discharge Area
[ ] Yes | Comments:	[ ] Yes | Comments:
[ ] No |	[ ] No |

IV. SURFACE WATER

01 Surface Water (check one)

[ ] A. Reservoir, Recreation, Drinking Water Source [ ] B. Irrigation, Economically Important Resources [ ] C. Commercial, Industrial [X] D. Not Currently Used

02 Affected/Potentially Affected Bodies of Water

Name:	Affected	Distance to Site
Drainages to Four Mile Creek	[ ]	1,000 (ft)
Four Mile Creek	[ ]	1.5 (mi)
	[ ]	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 Total Population Within	One (1) Mile of Site	Two (2) Miles of Site	Three (3) Miles of Site	02 Distance to Nearest Population
	A. 972 No. of Persons	B. 3,092 No. of Persons	C. 7,860 No. of Persons	500 (ft)

03 Number of Buildings Within Two (2) Miles of Site	04 Distance to Nearest Off-Site Building
~800 USGS topographic map	500 (ft)

05 Population Within Vicinity of Site (provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Rural area with homes widely spaced. A trailer park is located 1 mile west of site.

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

VI. ENVIRONMENTAL INFORMATION

01 Permeability of Unsaturated Zone (check one)

[ ] A. Impermeable (less than 10^{-6} cm/sec) [X] B. Relatively Impermeable (10^{-4} - 10^{-6} cm/sec) [ ] C. Relatively Permeable (10^{-2} - 10^{-4} cm/sec) [ ] D. Very Permeable (greater than 10^{-2} cm/sec)

02 Permeability of Bedrock (check one)

[X] A. Impermeable (less than 10^{-6} cm/sec) [ ] B. Relatively Impermeable (10^{-4} - 10^{-6} cm/sec) [ ] C. Relatively Permeable (10^{-2} - 10^{-4} cm/sec) [ ] D. Very Permeable (greater than 10^{-2} cm/sec)

03 Depth to Bedrock	04 Depth of Contaminated Soil Zone	05 Soil pH
Unknown (ft)	Unknown/hard fill operations occurred on ground surface to facilitate better drainage (ft)	Unknown

06 Net Precipitation	07 One Year 24-Hour Rainfall	08 Slope: Site Slope	Direction of Site Slope	Terrain Average Slope
9 (in)	2.1 (in)	0 %	N/A	<1.0 %

09 Flood Potential

Site is not in 100 Year Floodplain

10 [ ] Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway

11 Distance to Wetlands (5 acre minimum)

ESTUARINE OTHER

A. >2 (mi) B. 0.5 (mi)

12 Distance to Critical Habitat (of endangered species)

>1 (mi)

Endangered Species: _____

13 Land Use in Vicinity

Distance to:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS, NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. >1 (mi)	B. <1 (mi)	C. unknown (mi)	D. adjacent (mi)

14 Description of Site in Relation to Surrounding Topography

Site is level with surrounding properties. Natural site topography was flat and poorly drained, site is currently very flat. Nearest residence is 500 feet east of the site. A trailer park is located approximately 1 mile to the west.

VII. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

- Niagara County Health Department files
- E & E site inspection, May 2, 1991
- Phase I report by Engineering-Science, Inc. January 1986

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. SAMPLES TAKEN No samples were collected during the site inspection

Sample Type	01 Number of Samples Taken	02 Samples Sent To	03 Estimated Date Results Available
Groundwater			
Surface Water			
Waste			
Air			
Runoff			
Spill			
Soil			
Vegetation			
Other			

III. FIELD MEASUREMENTS TAKEN

01 Type	02 Comments
HNu	Monitoring for organic and inorganic vapors. No readings were above background levels.
Minirad	Monitoring (continuous) for alpha, beta, and gamma radiation, no radiation levels above background.

IV. PHOTOGRAPHS AND MAPS

01 Type [X] Ground [ ] Aerial	02 In Custody of Ecology and Environment Engineering, P.C. (name of organization or individual)

03 Maps	04 Location of Maps
[X] Yes [ ] No	Ecology and Environment Engineering, P.C.

V. OTHER FIELD DATA COLLECTED (provide narrative description of sampling activities)

None

VI. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

E & E Site Inspection May 2, 1991

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. CURRENT OWNER(S)			PARENT COMPANY (if applicable)		
01 Name Mr. Charles Boos	02 D&B Number		08 Name	09 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.) 1209 Balmer Road		04 SIC Code	10 Street Address (P.O. Box, RFD #, etc.)		11 SIC Code
05 City Porter/Youngstown	06 State NY	07 Zip Code 14174	12 City	13 State	14 Zip Code
01 Name	02 D&B Number		08 Name	09 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	10 Street Address (P.O. Box, RFD #, etc.)		11 SIC Code
05 City	06 State	07 Zip Code	12 City	03 State	14 Zip Code
01 Name	02 D&B Number		08 Name	09 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	10 Street Address (P.O. Box, RFD #, etc.)		11 SIC Code
05 City	06 State	07 Zip Code	12 City	13 State	14 Zip Code

III. PREVIOUS OWNER(S) (list most recent first)			IV. REALTY OWNER(S) (if applicable, list most recent first)		
01 Name John S. Kulak	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.) Unknown		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code
01 Name	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code
01 Name	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code

V. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

Site history, E & E site investigation, Engineering-Science Inc. Phase I report January, 1986 and interview with C. Boos May 2, 1991

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 State: NY	02 Site Number: 932074

II. CURRENT OPERATOR (provide if different from owner)			OPERATOR'S PARENT COMPANY (if applicable)		
01 Name: J. & T. Salvage	02 D&B Number		10 Name	11 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.): 1209 Balmer Road		04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City: Porter/Youngstown	06 State: NY	07 Zip Code: 14174	14 City	15 State	16 Zip Code
08 Years of Operation: 1975 - present	09 Name of Owner: Mr. Charles Boos				
III. PREVIOUS OPERATOR(S) (list most recent first; provide if different from owner)			PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)		
01 Name: John S. Kulak	02 D&B Number		10 Name	11 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.): Unknown		04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code	14 City	15 State	16 Zip Code
08 Years of Operation: 1963 - 1975	09 Name of Owner During this Period: John S. Kulak				
01 Name	02 D&B Number		10 Name	11 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code	14 City	15 State	16 Zip Code
08 Years of Operation	09 Name of Owner During this Period				
01 Name	02 D&B Number		10 Name	11 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	12 Street Address (P.O. Box, RFD #, etc.)		13 SIC Code
05 City	06 State	07 Zip Code	14 City	15 State	16 Zip Code
08 Years of Operation	09 Name of Owner During this Period				

IV. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

Engineering-Science, Inc. January, 1986. Phase I Report.

E & E Site Inspection and interview with C. Boos, May 2, 1991

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 State: NY	02 Site Number: 932074

II. ON-SITE GENERATOR

01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City	06 State	07 Zip Code

III. OFF-SITE GENERATOR(S)

01 Name: The Carborundum Company	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.): Carborundum Center		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City: Niagara Falls	06 State: NY	07 Zip Code	05 City	06 State	07 Zip Code
01 Name	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code

IV. TRANSPORTER(S)

01 Name: The Carborundum Company	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.): Carborundum Center		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City: Niagara Falls	06 State: NY	07 Zip Code	05 City	06 State	07 Zip Code
01 Name	02 D&B Number		01 Name	02 D&B Number	
03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code	03 Street Address (P.O. Box, RFD #, etc.)		04 SIC Code
05 City	06 State	07 Zip Code	05 City	06 State	07 Zip Code

V. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

The Carborundum Company

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES	I. IDENTIFICATION	
	01 State NY	02 Site Number 932074

II. PAST RESPONSE ACTIVITIES

01 [ ] A. Water Supply Closed 04 Description: No	02 Date _____	03 Agency _____
01 [ ] B. Temporary Water Supply Provided 04 Description: No	02 Date _____	03 Agency _____
01 [ ] C. Permanent Water Supply Provided 04 Description: No	02 Date _____	03 Agency _____
01 [ ] D. Spilled Material Removed 04 Description: No	02 Date _____	03 Agency _____
01 [ ] E. Contaminated Soil Removed 04 Description: No	02 Date _____	03 Agency _____
01 [ ] F. Waste Repackaged 04 Description: No	02 Date _____	03 Agency _____
01 [ ] G. Waste Disposed Elsewhere 04 Description: No	02 Date _____	03 Agency _____
01 [ ] H. On-Site Burial 04 Description: No burial, fill was deposited on surface.	02 Date _____	03 Agency _____
01 [ ] I. In Situ Chemical Treatment 04 Description: No	02 Date _____	03 Agency _____
01 [ ] J. In Situ Biological Treatment 04 Description: No	02 Date _____	03 Agency _____
01 [ ] K. In Situ Physical Treatment 04 Description: No	02 Date _____	03 Agency _____
01 [ ] L. Encapsulation 04 Description:	02 Date _____	03 Agency _____
01 [ ] M. Emergency Waste Treatment 04 Description: No	02 Date _____	03 Agency _____
01 [ ] N. Cutoff Walls 04 Description: No	02 Date _____	03 Agency _____
01 [ ] O. Emergency Diking/Surface Water Diversion 04 Description: No	02 Date _____	03 Agency _____
01 [ ] P. Cutoff Trenches/Sump 04 Description: No	02 Date _____	03 Agency _____

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES	I. IDENTIFICATION	
	01 State NY	02 Site Number 932074

II. PAST RESPONSE ACTIVITIES (Cont.)

01 [ ] Q. Subsurface Cutoff Wall 04 Description: No	02 Date _____	03 Agency _____
01 [ ] R. Barrier Walls Constructed 04 Description: No	02 Date _____	03 Agency _____
01 [ ] S. Capping/Covering 04 Description: No	02 Date _____	03 Agency _____
01 [ ] T. Bulk Tankage Repaired 04 Description: No	02 Date _____	03 Agency _____
01 [ ] U. Grout Curtain Constructed 04 Description: No	02 Date _____	03 Agency _____
01 [ ] V. Bottom Sealed 04 Description: No	02 Date _____	03 Agency _____
01 [ ] W. Gas Control 04 Description: No	02 Date _____	03 Agency _____
01 [ ] X. Fire Control 04 Description: No	02 Date _____	03 Agency _____
01 [ ] Y. Leachate Treatment 04 Description: No	02 Date _____	03 Agency _____
01 [ ] Z. Area Evacuated 04 Description: No	02 Date _____	03 Agency _____
01 [ ] 1. Access to Site Restricted 04 Description: No	02 Date _____	03 Agency _____
01 [ ] 2. Population Relocated 04 Description: No	02 Date _____	03 Agency _____
01 [ ] 3. Other Remedial Activities 04 Description: No remedial activities have been instigated.	02 Date _____	03 Agency _____

III. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

Phase I Report. Engineering-Science, Inc. January 1986
Niagara County Health Department files
Region 2 NYSDEC files
E & E site investigation interview with owner May 2, 1991

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 State	02 Site Number
NY	932074

II. ENFORCEMENT INFORMATION

01 Past Regulatory/Enforcement Action [ ] Yes [X] No

02 Description of Federal, State, Local Regulatory/Enforcement Action

III. SOURCES OF INFORMATION (cite specific references, e.g., state files, sample analysis, reports)

NYSDEC files
Niagara County Health Department files

APPENDIX C
INTERVIEW DOCUMENTATION

An unsigned Document of Interview indicates that the person interviewed did not return the form as requested by the intervewer.

1

INTERVIEW ACKNOWLEDGMENT FORM

SITE NAME:	J & T Salvage
PERSON CONTACTED:	Charles Boos
AFFILIATION:	J & T Salvage
ADDRESS:	1209 Balmer Road Porter, NY
TYPE OF CONTACT:	Telephone interview
I.D. NUMBER:	932074
DATE:	May 8, 1991
PHONE NUMBER:	278-6072
CONTACT PERSON(S):	Scott Glinski, Linda Fischer

INTERVIEW SUMMARY:

The estimated amount of coal cinder material currently used to expand on the northern end of the site is 2 to 3 truckloads, or approximately 10 tons.

Charles Boos currently holds a total of one permit, issued by the Town of Porter, authorizing him to operate his junkyard/auto salvage business.

Regarding the request to DEC for a permit to dispose demolition debris onsite as fill, around 1976: Carborundum had applied for a permit which would allow J & T to accept Carborundum's "solid wastes" (excluding food and garbage) for use in filling his muddy junkyard, to stabilize the roads. The permit was issued, then revoked (or not renewed), so he had to stop accepting the hard fill.

Boos is currently expanding the northern part of the property with ~~coal cinder~~ Cboos /dirt fill.

I haven't had any cinder fill since 76 The only fill I have is crushed stone from the stone quarry. since 7

No groundwater analytical data exists for the site.

Boos is currently attempting to get a permit to dig a trench/ditch around the site and a drainage pond, in an effort to minimize the potential for migration of onsite substances to offsite locations. The substances resulting from his auto

salvaging operations will be contained relatively well by the clayey/silty soils onsite.

ACKNOWLEDGMENT

I have read the above transcript and I agree that it is an accurate summary of the information verbally conveyed to Ecology and Environment, Inc. interviewer(s) (as revised below, if necessary).
Revisions: (please write in any corrections needed to the above transcript)

Signature Charles Boss Date May 16-91

Note I have had no cinder fill since I stoped recieving it from Carbo. around (76-77) the only fill since then is from the stn quarry AND some broken Concrete.

ground water in this Area has been Contaminated for years from SCA and from U.S. Army dumping in the 50's.

CONTACT REPORT

MEETING [ ] **TELEPHONE [X]** **OTHER [ ]**

AGENCY: J. & T. Automotive Salvage

ADDRESS: 1209 Balmer Road, Town of Lewiston, Porter, New York

PHONE #: (716) 278-6072

PERSON CONTACTED: Charles Boos, owner

TO: N. Snyder

FROM: S. Lare

DATE: September 9, 1991

SUBJECT: J. & T. Salvage Site in response to DEC comments

CC: C. Eich, T. Lewandowski

CTF: SB5300

(In response to item #7 on comment list, re: the description of the use of this site prior to 1963, to be included in site history.)

In the early 1940s (1942, 1943, or 1944), the U.S. Army obtained the site as part of a 10-square-mile (approximately) security area called the Lake Ontario Ordinance Works. The manufacture of TNT and nitroglycerine occurred within this 10-square-mile area, across the road (south side of Balmer) from Boos' property. The Army has since sold portions of the area, but still holds a right-of-way easement that runs north-south along the west side of J. & T. property (off the property), and turns east to enter the J. & T. site in the northern portion of the property.

Prior to the Army's use in the 1940s, the land within the site boundaries was farmland.