ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

Fedders Automotive
City of Buffalo

Site No. 915024
Erie 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

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

FEDDERS AUTOMOTIVE COMPONENTS COMPANY
57 TONAWANDA STREET
NYS SITE NUMBER 915024
CITY OF BUFFALO
ERIE COUNTY
NEW YORK STATE, 14207

Prepared For

DIVISION OF SOLID AND HAZARDOUS WASTE
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD
ALBANY, NEW YORK 12233-0001

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DATE OF SUBMITTAL: JANUARY, 1986

FEDDERS AUTOMOTIVE COMPONENTS COMPANY

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SECTION I

EXECUTIVE SUMMARY
FEDDERS AUTOMOTIVE COMPONENTS COMPANY

This report, prepared for the New York State Department of Environmental Conservation (NYSDEC), presents the preliminary results of the Phase I investigation for the Fedders Automotive Components Company Site (NYS Site Number 915024, EPA Number D002115087) located in the City of Buffalo, Erie County, New York (see Figure I-1).

SITE BACKGROUND

The Fedders Automotive Components Company was established in approximately 1915 under the name Fedders Quiggins Corporation. During the 1940's, the company became the Fedders Corporation and then the Fedders Automotive Components Company in approximately 1980. A site plan for the plant is provided in Figure I-2. Since 1915, the Fedders Company has manufactured automotive components, including radiators, heaters, and transmission oil coolers. The industrial wastes generated from plant operations include solder dross, degreasing still bottoms (trichloroethylene) and lubricating fluids (petroleum and vegetable based oils). With the exception of solder dross and plant wastewater, which are recycled or discharged to the sanitary sewer system, respectively, all of the plant's wastes are drummed and transported off-site for disposal (interview with Fedders Automotive Component's employee, Mr. Richard Acksel, 4/12/85).

Circa 1974, the Erie County Department of Environmental Quality - Air Pollution Division required that some form of dust control be used on-site; subsequently, waste oil was spread on the Fedders two acre parking lot for this purpose. An estimated 165 gallons per year of waste oil was used in this manner. According to plant officials, no transformer oils were used for this purpose (Erie County, 1982). The spreading of waste oil for dust control was discontinued in 1976 (Fedders Automotive, 1982). Circa 1981, the parking lot was covered with gravel for dust control. No further action has been taken to control dust since that time (Erie County, 1982 and Fedders Automotive 1985).

No sampling nor analysis programs have been conducted at the Fedders Automotive parking lot site. HNu meter readings taken during the ES and D&M Site Inspection (3/27/85) did not detect volatile organics in concentrations greater than 1 ppm.

ASSESSMENT

In an attempt to quantify the risk associated with this site, the Hazard Ranking Scoring system (HRS) was applied as currently being used by the NYSDEC to evaluate abandoned hazardous waste sites in New York State. This system takes into account the types of wastes at the site, receptors, and transport routes to apply a numerical ranking of the site. As stated in 40 CFR Subpart H Section 300.81, the HRS scoring system was developed to be used in evaluating the relative potential of uncontrolled hazardous substance facilities to cause health or safety problems or ecological or environmental damage. It is assumed by the EPA that a uniform application of the ranking system in each state will permit EPA to identify those releases of hazardous substances that pose the greatest hazard to humans or the environment.

Under the HRS, three numerical scores are computed for each site, to express the relative risk or danger from the site, taking into account the population at risk, the potential for contamination of drinking water supplies, for direct human contact, and for destruction

of sensitive ecological systems and other appropriate factors. The three scores are:

- S_M reflects the potential for harm to humans or the environment from migration of a hazardous substance away from the facility by routes involving groundwater, surface water or air. It is a composite of separate scores for each of the three routes (S_{GW} = groundwater route score, S_{SW} = surface water route score, and S_A = air route score).

- S_{FE} reflects the potential for harm from substances that can explode or cause fires.

- S_{DC} reflects the potential for harm from direct contact with hazardous substances at the facility (i.e., no migration need be involved).

The preliminary HRS score was:

S_M	=	16.43	S_A	=	0
S_{GW}	=	2.98	A_{FE}	=	0
S_{SW}	=	28.26	S_{DC}	=	20.80

The migration score primarily reflects the proximity of the site to the Scajaquada Creek shoreline and the possibility that PCB-laden oil was disposed at the site.

RECOMMENDATIONS

A two step approach is recommended for conducting the Phase II investigation at this site. If PCB's are detected during Step 1, the additional monitoring outlined under Step 2 should be conducted. The following recommendations are made for the completion of Phase II:

Step 1

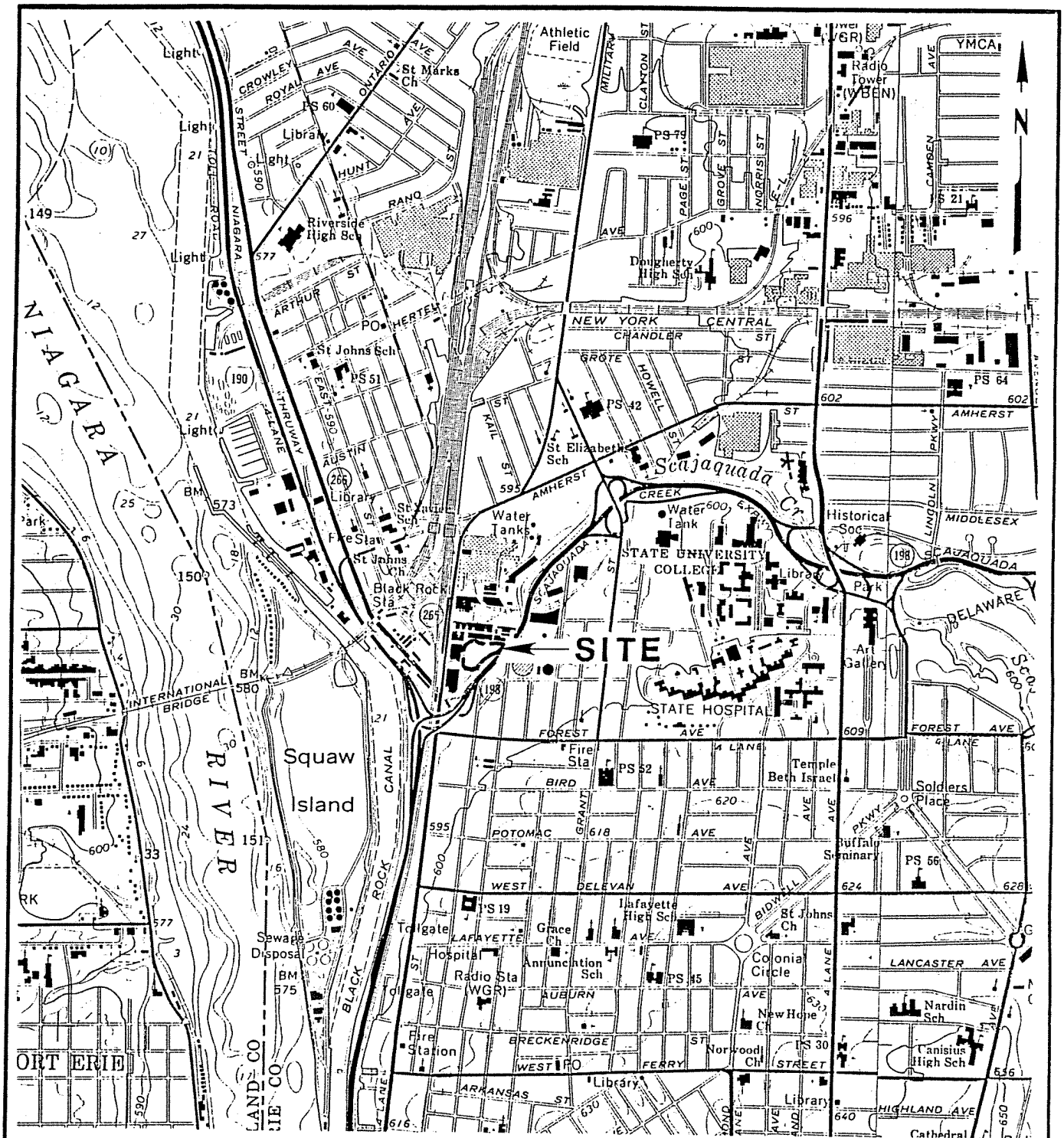
- Soil samples from three auger holes and analyzed for PCBs.

Step 2

- Surface water monitoring system consisting of three stations, analyses for PCBs.

- Sediment samples from three surface water stations and analyzed for PCBs.

The estimated man-hour requirements to complete Phase II are 388, while the estimated cost is $21,336.



REFERENCE: U.S.G.S. 7.5' Topographic Map Buffalo NE, NY (1965) and Buffalo NW, NY-ONT. (1965) Quadrangles

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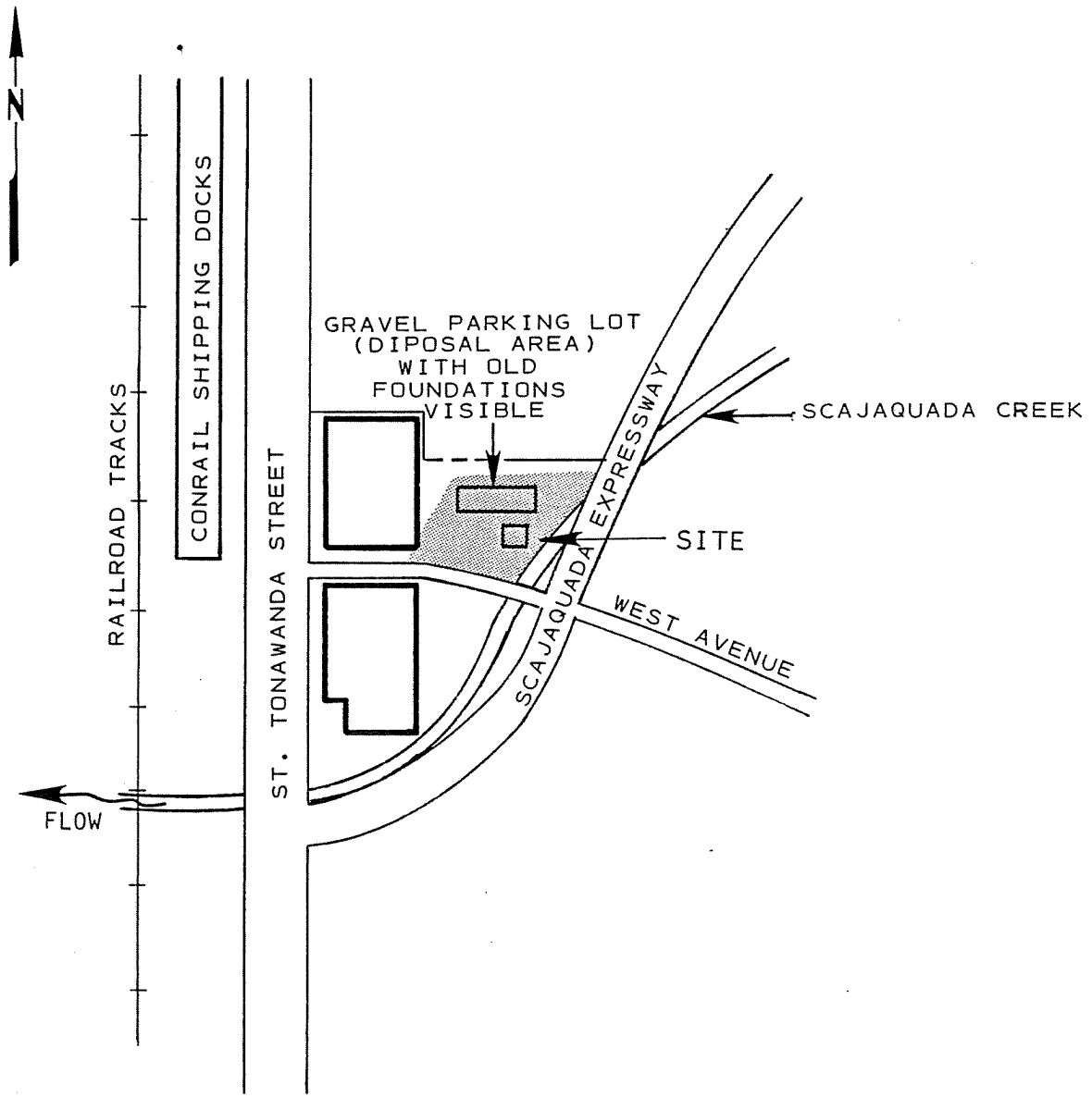
SITE LOCATION MAP
FEDDERS AUTO COMPONENTS

FIGURE I-1



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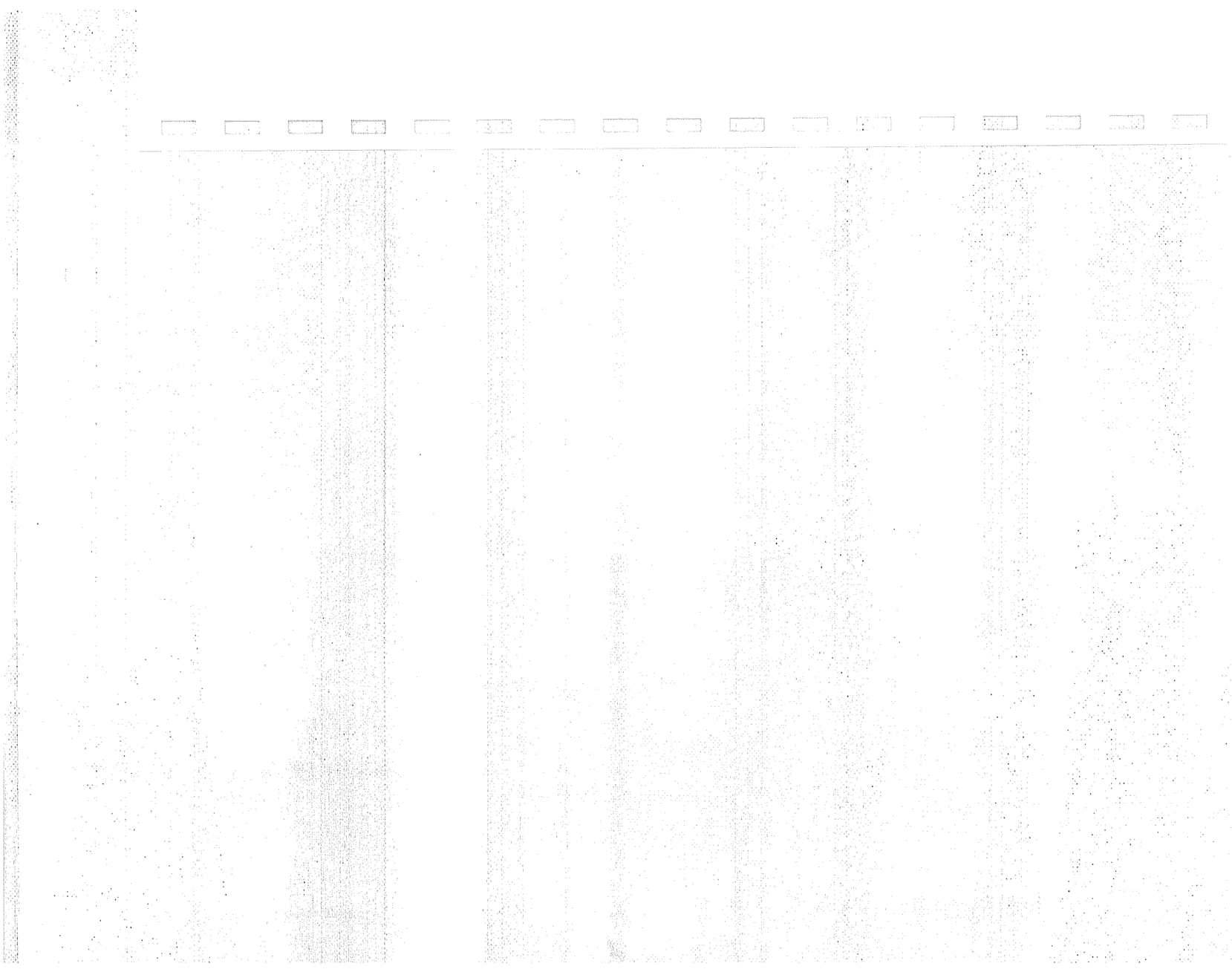
PLOT PLAN

FEDDERS AUTO COMPONENTS

FIGURE I-2



SECTION II

PURPOSE

The purpose of the Phase I investigation at the Fedders Automotive Components Company site was to assess the hazard to the environment caused by the present condition of the site. This assessment is based on the Hazard Ranking System, which involves the compilation and rating of numerous geological, toxicological, environmental, chemical, and demographic factors and the calculation of an HRS score. Details of HRS implementation are included in Section V. During the initial portion of the investigation available data and records, combined with information collected from a site inspection, were reviewed and evaluated. The investigation at this site focused on waste oil spread on the parking lot for dust control. Based on this initial evaluation of the Fedders Automotive Components Company site, a Phase II Work Plan has been prepared for collecting any additional data needed to complete the HRS score. In addition, a cost estimate for the recommended Phase II work is provided.

SECTION III

SCOPE OF WORK

The scope of work for the New York State Inactive Site Investigation Program (Phase I) was to collect and review all available information necessary for the documentation and preparation of a Hazard Ranking System score and a Phase II work plan and cost estimate if required. The work activities performed included data collection and review, a site inspection, and interviews with knowledgeable individuals of past and present disposal activities at the site.

The sources contacted during this Phase I investigation included government agencies (federal, state and local), present site owners and operators, and any other individuals that may have knowledge of the site, as identified during the performance of the investigation. These sources are listed in Appendix A. The intent of the list is to identify all persons, departments, and/or agencies contacted during the third round of the Phase I investigations even though useful information may not have been collected from each source contacted.

SECTION IV

SITE ASSESSMENT

SITE HISTORY

The Fedders Automotive Components Company, manufacturer of automobile radiators, heaters, and transmission oil coolers, was established in approximately 1915 under the name Fedders Quiggins Corporation. In the 1940's, the company became the Fedders Corporation which later became (about 1980) the Fedders Automotive Components Company (Fedders Automotive, 1985).

The processes in operation at the Fedders Automotive Components Company plant include metal stamping, soldering, brazing, welding, and painting. Acid washing and degreasing activities are also conducted on-site as part of the manufacturing activities. The industrial wastes generated from these operations include solder dross (lead dust), acid wash water and solids, degreasing (trichloroethylene) still bottoms and lubricating fluids (petroleum and vegetable based oils). The solder dross is collected and returned to the manufacturer for recycling. The wastewater from the acid wash process is discharged to the sanitary sewer system while the accumulated solids from the acid wash tank are drummed and disposed off-site. The degreasing still bottoms, spent solvents and waste oils are also drummed and transported off-site for disposal (NYSDEC, 1978 and Fedders Automotive, 1985).

The alledged disposal site is a parking lot approximately two acres in size. Based on a review of plant site plans, the parking lot was once occupied by a building, which housed furnace kilns. Between 1936 and 1942, this portion of the Fedders plant was dismantled and the

demolition material was used as on-site fill in what is now the employee parking lot (Fedders Automotive, 1985). The footings of the old kiln building are still in place on-site.

In approximately 1974, the Erie County Department of Environmental Quality - Air Pollution Control requested that the Fedders Automotive Components Company implement some type of dust control for their parking lot. For purposes of dust control, Fedders Automotive spread waste oil on the 2-acre parking lot site. Fedders Automotive Components Company conducted these dust control measures and an estimated 165 gallons per year of light lube oils or hydraulic fluids were spread on-site. According to company officials, transformer oils were not used for this purpose (Erie County, 1982). These dust control practices were discontinued in approximately 1976. In general, all waste hydraulic oils generated in the past at the Fedders plant were sold to Booth Oil Company for recycling (Fedders Automotive, 1982).

From approximately 1965 until 1980, the Volland Electric Equipment Corporation and the Buffalo Electric Co., Inc. provided maintenance services of the transformers at the Fedders Automotive Components Company. Since 1980, only Volland Electric Equipment Corp. has provided maintenance service of the transformers (Fedders, 1985). The oil used since 1980 is a non-PCB containing transformer oil manufactured by the Texaco Oil Company (Fedders, 1982). These services included filtering of transformer fluids, adding fluid as needed, and replacing spent hydraulic fluid (Fedders Automotive, 1985). The filters and any hydraulic fluid removed by Volland Electric were taken off-site for disposal (Volland Electric, 1985). The transformer oils removed by the Buffalo Electric Company were left at the plant to be disposed by Fedders Automotive Components Company (Buffalo Electric, 1985). In the past, all surplus oils from the Fedders facility were sold to Booth Oil Company located in North Tonawanda, NY (Fedders, 1982). Presently, one 55 gallon drum of hydraulic fluid is kept on hand at the plant to replace fluid dissipated during operations.

SITE TOPOGRAPHY

The Fedders Automotive Components Company site is located in the City of Buffalo, Erie County, New York State. The suspected disposal area is a parking lot along the western shore of Scajaquada Creek. There is no surface water on the site. Surface runoff would flow eastward into Scajaquada Creek.

The 2-acre rectangular site is located in an industrial area. East of the site is the Creek and the elevated Scajaquada Expressway. East of the expressway is Westwood Pharmaceutical Company. To the north of the site is industrial property owned by the Pratt & Lambert Paint Company. To the west of the site is Tonawanda Street, across which is railroad property. South of the site is Scajaquada Creek.

Local Sensitive Environments

There are no nearby wetlands nor sensitive environments.

SITE HYDROLOGY

Regional Geology and Hydrology

The site is located in the Erie-Ontario lowlands physiographic province. The bedrock of this region is predominantly limestone, dolostone, and shale. Most of the rocks are deep aquifers with regional flow to the south.

In the recent past, most of New York State, including the site, has been repeatedly covered by a series of continental ice sheets. The activity of the glacier widened pre-existing valleys, and deposited widespread accumulations of till. The melting of ice, ending approximately 12,000 years ago, produced large volumes of meltwater; this water subsequently shaped channels and deposited thick accumulations of stratified, granular sediments.

As glacial ice retreated from the region, meltwater formed lakes in front of the ice margin. The Erie County region is covered by lake sediments, the most recent being from Lake Warren (a larger predecessor to Lake Ontario and Lake Erie). The sediments consist of blanket sands and beach ridges which are occasionally underlain by lacustrine silts and clays (indicating quiet or deeper water deposition).

Granular deposits in this region frequently act as shallow aquifers, whereas lacustrine clays, as well as tills, often inhibit groundwater movement. However, fine-grained, water-lain sediments, such as silts and clays, frequently contain horizontal laminations and sand seams. These internal features facilitate lateral groundwater movement through otherwise low permeability materials.

Site Hydrogeology

This summary of site hydrogeology is based on information from USGS topographic maps, NYS museum and Science Service Bedrock Geology Map and Quaternary Map, USGS boring information (1982), LaSala (1968), drilling information from another nearby Phase I site, (O-Cel-O site) and soil observations beneath the Scajaquada Expressway.

The bedrock beneath the site is expected to be shaley Bertie limestone. Depth to the top of rock is estimated to be 50 feet. There are no known wells in this bedrock unit; groundwater may occur in fractures within the bedrock and is probably high in (Ca, Mg CO_3) hardness.

The soil column overlying the bedrock is estimated to be (LaSala, 1968):

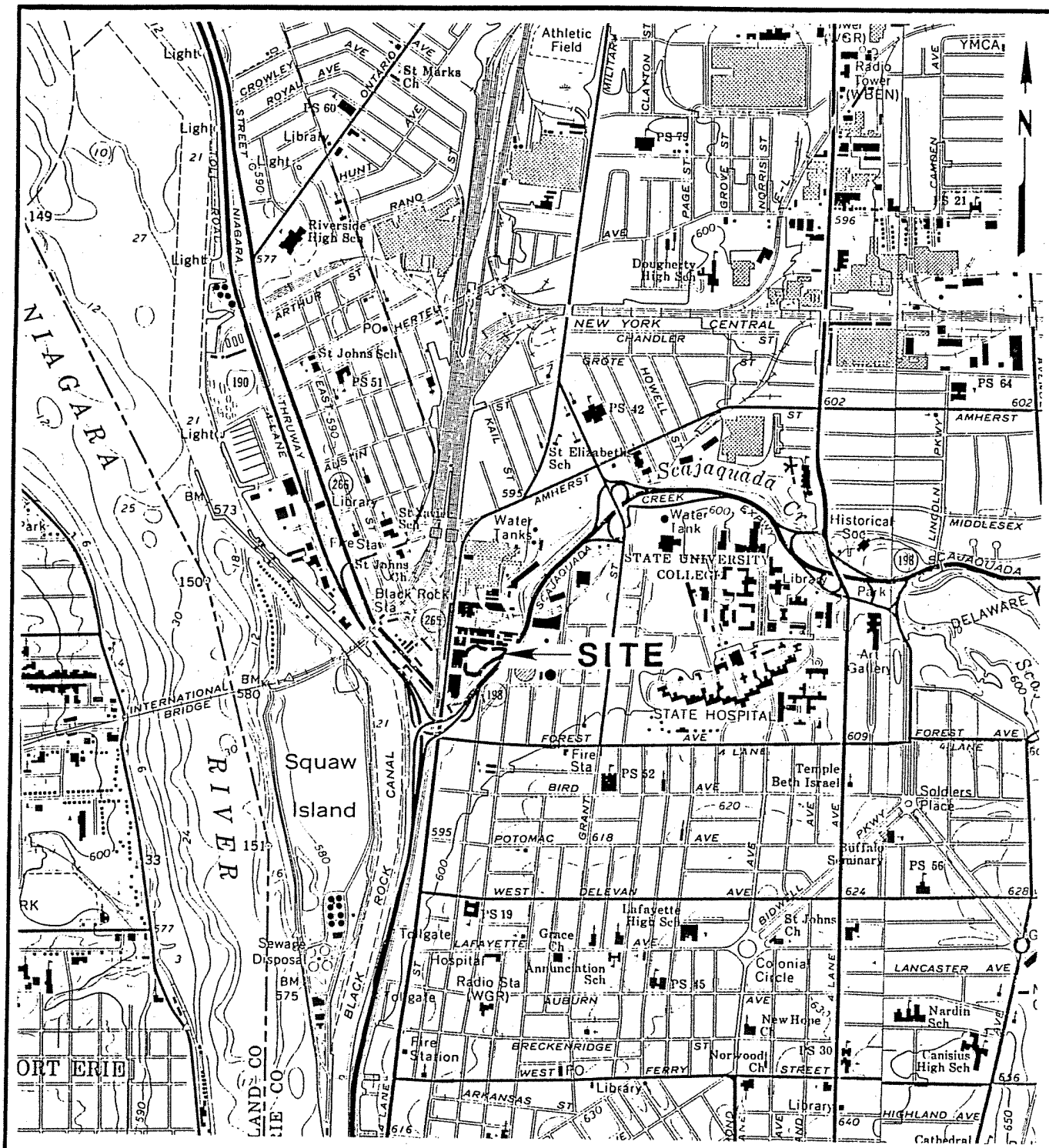
Soil Type	Approx. Depth (ft)
Hard Fill (Parking Lot Gravel)	0 - 2
Red Lacustrine Silty Clay	2 - 40
Till	40 - 50
Top of rock	50

The natural site soils are expected to be of low permeability (estimates of 10^{-5} to 10^{-7} cm/sec were used in HRS scoring) and are not considered to form a shallow soil aquifer. No private water withdrawal wells are known to exist in the vicinity of the site.

SITE CONTAMINATION

From 1974 to 1976, an estimated 165 gallons per year of light lube oils or hydraulic fluids were spread on the Fedders Automotive parking lot for purposes of dust control. No transformer oils containing PCB's were reportedly used for this purpose (Fedders Automotive, 1985, and Erie County, 1982).

No soil, surface, or ground water samples have been collected from the Fedders Automotive Components Company site. HNu meter readings were taken during the site inspection conducted by ES and D&M in March, 1985. All measurements for volatile organics were less than 1 ppm.



LATITUDE: 42°55'52"
LONGITUDE: 78°53'41"

SCALE

0 1000 2000 3000 4000 FEET

REFERENCE: U.S.G.S. 7.5' Topographic Map
Buffalo NE, NY (1965) and Buffalo NW,
NY-ONT. (1965) Quadrangles

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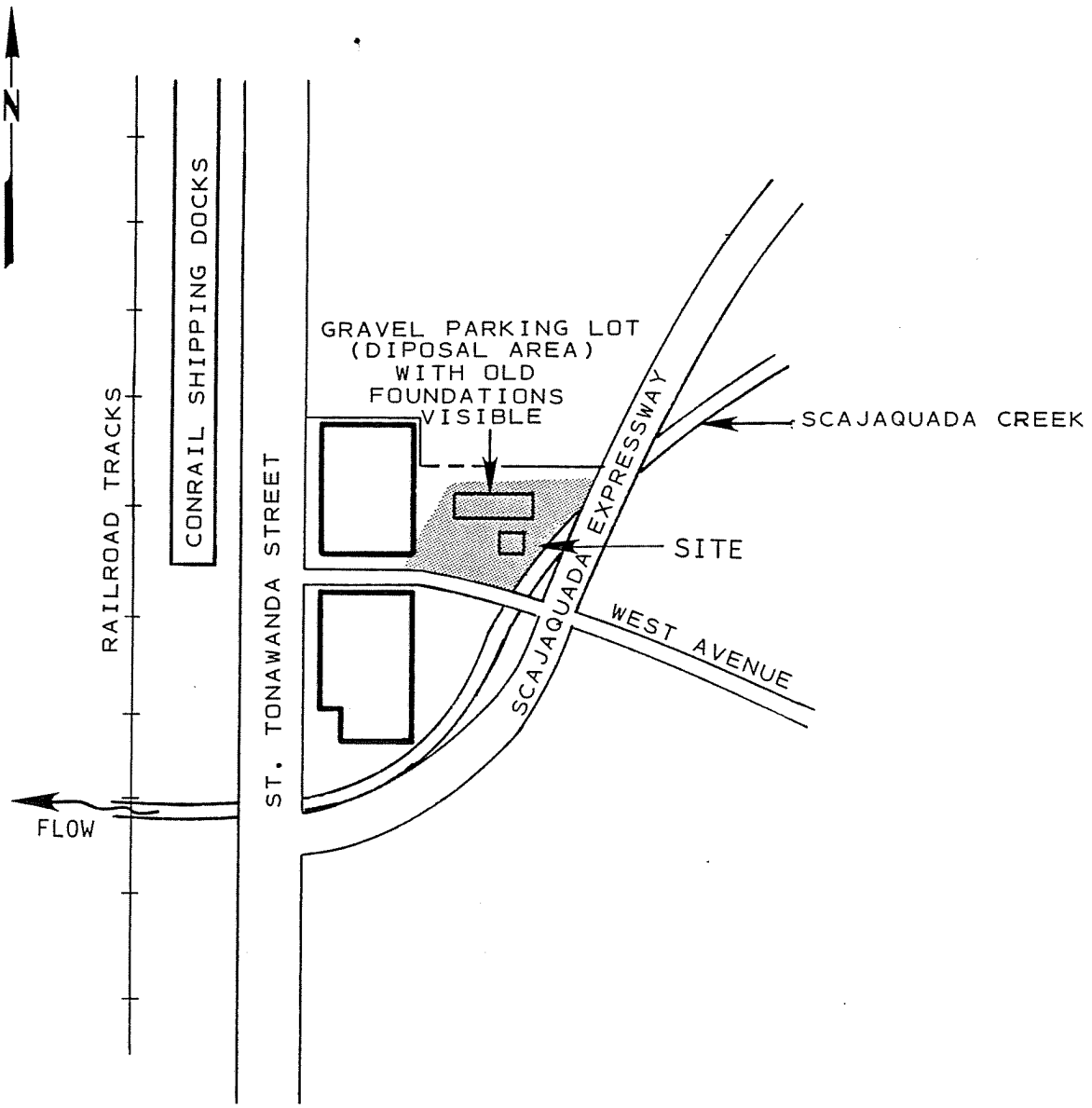
SITE LOCATION MAP
FEDDERS AUTO COMPONENTS

FIGURE IV-1



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PLOT PLAN

FEDDERS AUTO COMPONENTS

FIGURE IV-2

SECTION V

PRELIMINARY APPLICATION OF THE HAZARD RANKING SYSTEM

NARRATIVE SUMMARY

The Fedders Automotive Components Company is located in the City of Buffalo, Erie County, New York. The parking lot, approximately 2 acres, adjacent to the Fedders' plant is the site being evaluated. In 1974, the Erie County Department of Environmental Quality - Air Pollution Division required that dust control measures be taken at the Fedders Automotive parking lot. From 1974 to 1976, Fedders spread waste oil on-site for purposes of dust control. Approximately 495 gallons of waste oils over a three year period were spread (Fedder's Automotive, 1982). In 1981, the parking lot site was covered with gravel to control the fugitive dust problem. No further actions to control dust have been taken since that time (Fedders Automotive, 1985)

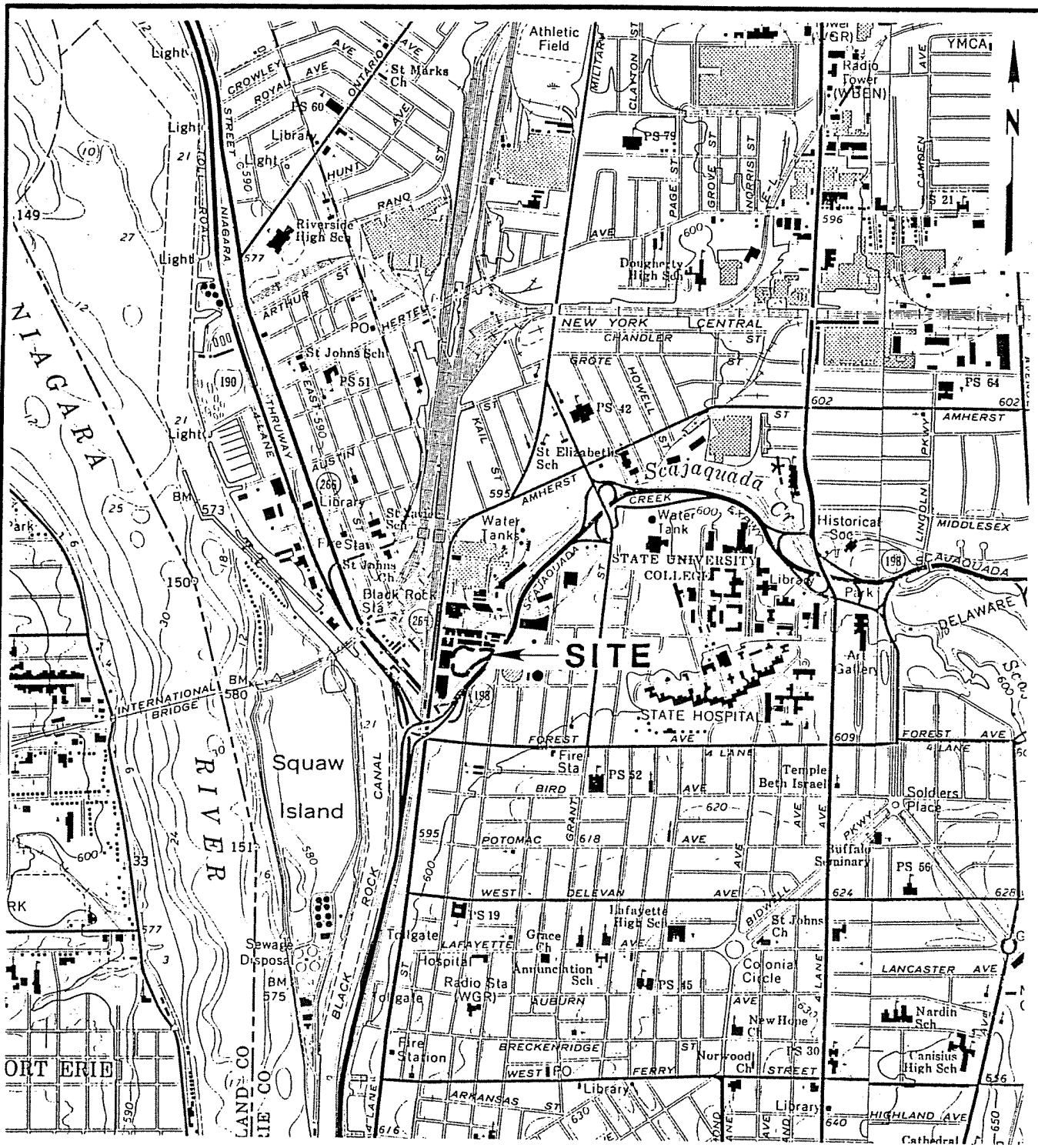
The site has been owned by the Fedders Automotive Components Company since the company was originally established in 1915 under the name of Fedders Quiggins Corporation.

The environmental concerns associated with this site are the potential contamination of soil, surface water or groundwater with waste oils (possibly containing PCBs). No sampling or analysis has been conducted to date to determine if PCBs are present on-site.

The parking lot site is located due north of the Scajaquada Creek. There is no surface water on the site. Surface runoff would flow eastward into Scajaquada Creek. There are no nearby wetlands nor sensitive environments. No private withdrawal wells are known to exist in the vicinity of the site.

HNu meter readings were taken by ES and D&M during the site inspection conducted during March, 1985. All meter readings were less than 1 ppm. To date, no cleanup or environmental enforcement actions have been taken against Fedders Automotive Components Company with regard to past dust control practices.

LOCATION



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SITE LOCATION MAP
FEDDERS AUTO COMPONENTS

FIGURE ii-1

HRS COVER SHEET

Facility Name: Fedders Automotive Components Company

Location: 57 Tonawanda Street, Buffalo, NY

EPA Region: II

Person(s) in charge of the facility: Mr. Richard Acksel

Name of Reviewer: S. Robert Steele, II Date: 4/15/85

General Description of the facility:

The Erie County Department of Environmental Quality (Air Pollution Control Division) requested that the Fedders Automotive Components Company take measures to control dust from their parking lot. From 1974 until 1976, waste oil was spread on-site to control fugitive dust. The waste oil used is suspected of containing PCBs. No sampling and analysis of the parking lot soils has been conducted to date.

Scores: $S_M = 16.43$ ($S_{gw} = 2.98$ $S_{sw} = 28.26$ $S_a = 0$)

$S_{FE} = 0$

$S_{DC} = 20.80$

Facility Name: FEDDERS AUTOMOTIVE Date: 4/15/85

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	3.1
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					3.2
Depth to Aquifer of Concern	0 1 (2) 3	2	4	6	
Net Precipitation	0 1 (2) 3	1	2	3	
Permeability of the Unsaturated Zone	0 (1) 2 3	1	1	3	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			10	15	
3 Containment	0 1 2 (3)	1	3	3	3.3
4 Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 12 15 [18]	1	18	18	
Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
5 Targets					3.5
Ground Water Use	0 (1) 2 3	3	3	9	
Distance to Nearest Well/Population Served	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Targets Score			3	49	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			1,710	57,330	
7 Divide line 6 by 57,330 and multiply by 100			S_{gw} = 2.98		

GROUND WATER ROUTE WORK SHEET

Facility Name: FEDDERS AUTOMOTIVE Date: 4/15/85

Surface Water Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	(0) 1 2 3	1	0	3	
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			11	15	
3 Containment	0 1 2 (3)	1	3	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 12 15 [18]	1	18	18	
Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
5 Targets					4.5
Surface Water Use	0 1 2 (3)	3	9	9	
Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	
Population Served/ Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 (20) 24 30 32 35 40	1	20	40	
Total Targets Score			29	55	
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			18,183	64,350	
7 Divide line 6 by 64,350 and multiply by 100			S_{sw} = 28.26		

SURFACE WATER ROUTE WORK SHEET

Facility Name: FEDDERS AUTOMOTIVE Date: 4/15/85

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	5.1
Date and Location: MARCH / APRIL 1985					
Sampling Protocol: HNu METER SURVEY					
If line 1 is 0, the S_a = 0. Enter on line 5 . If line 1 is 45, then proceed to line 2 .					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	(0) 1 2 3	1	0	3	
Toxicity	0 1 2 (3)	3	9	9	
Hazardous Waste	(0) 1 2 3 4 5 6 7 8	1	0	8	
	Total Waste Characteristics Score		9	20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 (21) 24 27 30	1	21	30	
Distance to Sensitive Environment	(0) 1 2 3	2	0	6	
Land Use	0 1 2 (3)	1	3	3	
	Total Targets Score		24	39	
4 Multiply 1 x 2 x 3			0	35,100	
5 Divide line 4 by 35,100 and multiply by 100			S_a = 0		

AIR ROUTE WORK SHEET

Facility Name: FEDDERS AUTOMOTIVE Date: 4/15/05

Worksheet for Computing S_M

	S	S^2
Groundwater Route Score (S_{gw})	2.98	8.88
Surface Water Route Score (S_{sw})	28.26	798.63
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		807.51
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		28.42
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		16.43

WORK SHEET FOR COMPUTING S_M

Facility Name: FEDDERS Automotive Date: 4/15/85

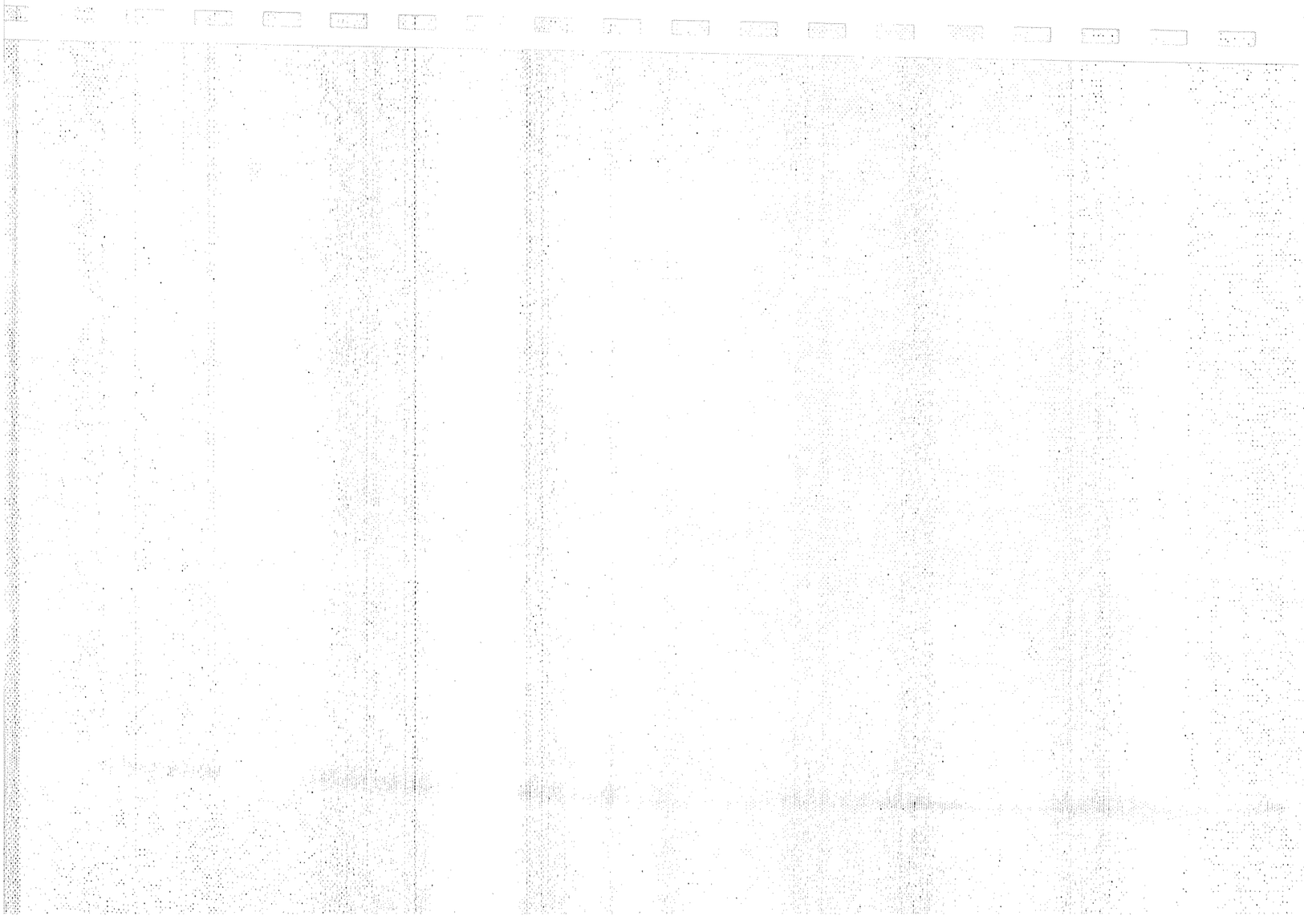
Fire and Explosion Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Containment	1 3	1		3	7.1
2 Waste Characteristics					7.2
Direct Evidence	0 3	1		3	
Ignitability	0 1 2 3	1		3	
Reactivity	0 1 2 3	1		3	
Incompatibility	0 1 2 3	1		3	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score				20	
3 Targets					7.3
Distance to Nearest Population	0 1 2 3 4 5	1		5	
Distance to Nearest Building	0 1 2 3	1		3	
Distance to Sensitive Environment	0 1 2 3	1		3	
Land Use	0 1 2 3	1		3	
Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
Total Targets Score				24	
4 Multiply 1 x 2 x 3				1,440	
5 Divide line 4 by 1,440 and multiply by 100			S_{FE} = 0		

FIRE AND EXPLOSION WORK SHEET

Facility Name: FEDDERS AUTOMOTIVE Date: 4/15/85

Direct Contact Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	(0) 45	1	0	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 (1) 2 3	1	1	3	8.2
3 Containment	0 (15)	1	15		8.3
4 Waste Characteristics Toxicity	0 1 2 [3]	5	15	15	8.4
5 Targets					8.5
Population Within 1-Mile Radius	0 1 2 3 4 (5)	4	20	20	
Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
Total Targets Score			20	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			4500	21,600	
7 Divide line 6 by 21,600 and multiply by 100			S_{DC} = 20.80		

DIRECT CONTACT WORK SHEET



DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

FACILITY NAME: Fedders Automotive Components Company

LOCATION: City of Buffalo, Erie County, New York

GROUNDWATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (5 maximum):

No ground water samples analyzed for contamination (NYSDEC Registry Sheet, 12/83).

Rationale for attributing the contaminants to the facility:

Not applicable.

* * *

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) in concern:

Bedrock aquifer (based on estimate of site geology).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

Estimate at 40 to 60 feet (Erie County DEP Hazardous Waste Site Profile Report, 2/82).

Depth from the ground surface to the lowest point of waste disposal/ storage:

0 ft. Waste oils were spread over parking lot for dust control (NYSDEC Registry Sheet, 1983).

Net Precipitation

(Climatic Atlas of the United States, U.S. Dept. of Commerce, National Climatic Center, 1979).

Mean annual or seasonal precipitation (list months for seasonal):

Mean annual precipitation is 36".

Mean annual lake or seasonal evaporation (list months for seasonal):

Mean annual lake evaporation is 27".

Net precipitation (subtract the above figures):

9" (36" - 27" = 9").

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Silty clay with some sand (NYSDEC Registry sheet, 1983).

Permeability associated with soil type

$< 10^{-5}$ $> 10^{-7}$ cm/sec (Freeze, R.A., and J.A. Cherry, Groundwater, 1979).

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Liquid (waste oils) (NYSDEC Registry Sheet, 12/83).

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Waste oil spread directly on ground for dust control (Hazardous Waste Site Profile Report, Erie County, February, 1982, and Fedders Automotive Components Company, 1982).

Method with highest socre:

Spreading of waste oil on ground.

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Waste oil suspected of containing PCBs (Hazardous Waste Site Profile Report, Erie County, February, 1982).

Compound with highest score:

Waste oil (PCB score = 18).

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

495 gallons = 9 drums.

Basis of estimating and/or computing waste quantity:

From 1974 to 1976, waste oil was used on-site for dust control. An estimated three 55 gallon drums per year were used for this purpose (Fedders Automotive Components Company, 1982).

5. TARGETS

Groundwater Use

Uses(s) of aquifer(s) of concern within a 3-mile radius of the facility:

None within 3 miles (NYS Atlas of Community Water System Sources, 1982, and LaSala, 1968).

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

None within 3 miles (NYS Atlas of Community Water System Sources, 1982, and LaSala, 1968).

Distance to above well or building:

Not applicable.

Population Service by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

None within 3 miles (NYS Atlas of Community Water System Sources, 1982).

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

None within 3 miles (NYS Atlas of Community Water System Sources, 1982).

Total population served by ground water within a 3-mile radius:

None within 3 miles (NYS Atlas of Community Water System Sources, 1982).

SURFACE WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

No surface water samples have been analyzed for contamination (USGS Draft Report, 1982).

Rationale for attributing the contaminants to the facility:

Not applicable.

2. ROUTE CHARACTERISTICS

(USGS Topographic Maps: Buffalo NW, NY-ONT, 1965, Buffalo NE, NY - 1965)

Facility Slope and Intervening Terrain

Average slope of facility in percent:

2.8%.

Name/description of nearest downslope surface water:

Scajaquada Creek.

Average slope of terrain between facility and above-cited surface water body in percent:

1.5%.

Is the facility located either totally or partially in surface water?

No.

Is the facility completely surrounded by areas of higher elevation?

No.

1-Year 24-Hour Rainfall in Inches

2.1" (U.S. Department of Commerce Technical Paper No. 40).

Distance to Nearest Downslope Surface Water

Adjacent to the site (USGS Topographic map, site inspection ES and D&M, 3/27/85).

Physical State of Waste

Liquid (waste oil) (NYSDEC Registry Sheet, 12/83).

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Waste oil spread directly on ground for dust control (Hazardous Waste Site Profile Report, Erie County, February, 1982).

Method with highest score:

Spreading of waste oil on ground. Site not adequately covered and has no diversion system (Hazardous Waste Site Profile Report, ECDEP, 1982, and ES and D&M Site Inspection, 3/27/85).

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Waste oil suspected of containing PCBs.

Compound with highest score:

Waste oil (PCB - score = 18).

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

495 gallons = 9 drums

Basis of estimating and/or computing waste quantity:

From 1974 to 1976, waste oil was spread on the parking lot for purposes of dust control. An estimated 165 gallons per year of waste oil was used in this manner (Hazardous Waste Site Profile Report, Erie County, February, 1982).

* * *

5. TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

1. Drinking water supply intake
2. Commercial shipping and naviagation (Black Rock Canal, Tonawanda Channel, Niagara River)
3. Recreational boating
4. Recreational Greenspace (Riverside Park)

(NYS Atlas of Community Water System Sources, 1982 and Site Visit, 1985).

Is there tidal influence?

No.

(USGS Topographic Maps)

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None within 2 miles (western NYS not a coastal area).

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None within 1 mile (NYS Wetlands Maps).

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

None within 1 mile (NYSDEC Region 9, Dept. of Fish & Wildlife Files).

Population Served by Surface Water

(NYS Atlas of Community Water System Sources, 1982)

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

2.1 miles, Tonawanda Water District #1 Intake - population served is 91,269.

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

None.

Total population served:

91,269 (US Census Data, 1980, raw data obtained from Erie County).

Name/description of nearest of above water bodies:

Niagara River.

Distance to above-cited intakes, measured in stream miles:

2.1 miles (NYS Atlas of Community Water System Sources, 1982).

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

None.

Date and location of detection of contaminants:

Survey of disposal area during site visit, March, 1985.

Methods used to detect the contaminants:

HNU meter readings were taken and all readings were less than 1 ppm, indicating no air releases (ES and D&M site inspection, 3/27/85).

Rationale for attributing the contaminants to the site:

Not applicable.

* * *

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

No reactive compounds are known to exist on-site.

Most incompatible pair of compounds:

No incompatible compounds are known to exist on-site.

Toxicity

Most toxic compound:

Waste oil containing PCB's (Fedders, 1982). However, the waste oil would not impact the air pathway and, therefore, has a score of zero.

Hazardous Waste Quantity

Total quantity of hazardous waste:

495 gallons = 9 drums (Fedders, 1982). However, the waste oil would not impact the air pathway.

Basis of estimating and/or computing waste quantity:

From 1974 until 1976, three 55-gallon drums of waste oil were disposed of on-site (Fedders, 1982). Waste quantity score will be zero because the waste oil would not impact the air pathway.

* * *

3. TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi 0 to 1 mi 0 to 1/2 mi 0 to 1/4 mi

264,989 people (adapted from 1980 U.S. Bureau of the Census data)

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None within 2 miles (western NYS not a coastal area).

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None within 1 mile (NYS Wetlands Maps).

Distance to critical habitat of an endangered species, if 1 mile or less:

None within 1 mile (NYSDEC Region 9, Dept. of Fish & Wildlife Files).

Land Use

Distance to commerical/industrial area, if 1 mile or less:

0.0, site is located in industrial area (ES and D&M Site Inspection, 3/27/85).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

More than 2 miles (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Distance to residential area, if 2 miles or less:

$\leq$ 200' (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Distance to agricultural land in production within past 5 years, if 1 mile or less:

More than 1 mile (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

More than 2 miles (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within view of the site?

No.

FIRE AND EXPLOSION

1. CONTAINMENT

Hazardous substances present:

No records were found during the Phase I investigation which indicates that a past or present fire and explosion hazard exists at the site.

Type of containment, if applicable:

* * *

2. WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

No measurements to determine the fire and explosion potential were taken on-site.

Ignitability

Compound used:

No ignitable compounds are known to exist on-site.

Reactivity

Most reactive compound:

No reactive compounds are known to exist on-site.

Incompatibility

Most incompatible pair of compounds:

No incompatible compounds are known to exist on-site.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

No hazardous wastes with the potential to create a fire or explosion hazard are known to exist on-site.

Basis of estimating and/or computing waste quantity:

Not applicable.

* * *

3. TARGETS

Distance to Nearest Population

0.0 mile. Site is located in an industrial area (ES and D&M Site Inspection, 3/27/85).

Distance to Nearest Building

Less than 50 feet. Parking lot is located adjacent to the Fedders Automotive Buildings.

Distance to Sensitive Environment

Distance to wetlands:

None within 1 mile of site (NYS Wetlands Maps).

Distance to critical habitat:

None within 1 mile of site (NYSDEC Region 9, Division of Fish and Wildlife Files).

Land Use

Distance to commercial/industrial area, if 1 mile or less:

0.0 mile, site is located in an industrial area (ES and D&M Site Inspection, 3/27/85).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

More than 2 miles (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Distance to residential area, if 2 miles or less:

$\leq$ 200 feet (ES and D&M Site Inspection, 3/27/85).

Distance to agricultural and in production within past 5 years, if 1 mile or less:

More than 1 mile (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

More than 2 miles (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

No.

Population with 2-Mile Radius

76,966 people (US Census Data, 1980).

Buildings Within 2-Mile Radius

20,254 buildings (USGS Topographic Maps: Buffalo NW, NY-ONT, and Buffalo NE, NY Quadrangles).

DIRECT CONTACT

1. OBSERVED INCIDENT

Date, location, and pertinent details of incident:

No records were found during the Phase I investigation which indicates that a direct contact incident has occurred.

* * *

2. ACCESSIBILITY

Describe type of barrier(s):

Plant site fenced with 24 hour guard, disposal site not fenced = 1 (ES/D&M Site Visit).

* * *

3. CONTAINMENT

Type of containment, if applicable:

Waste oil spread directly on ground for dust control (Hazardous Waste Site Profile Report, Erie County, February, 1982). Gravel has been placed over the parking lot; however, it is not an adequate cover system.

* * *

4. WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Waste oil suspected of containing PCB's (Hazardous Waste Site Profile Report, Erie County, February, 1982).

Compound with highest score:

Waste oil (PCB).

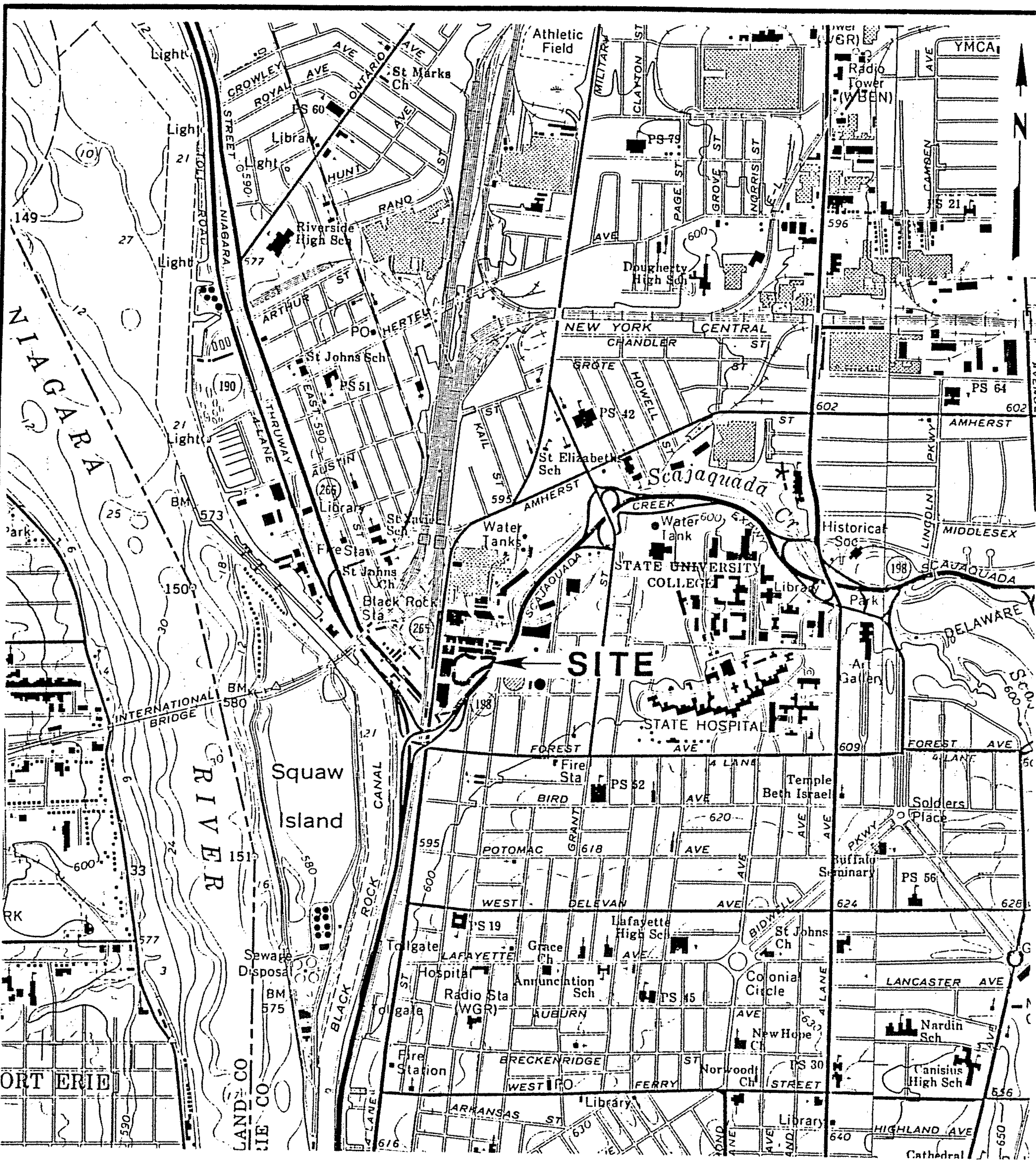
5. TARGETS

Population within one-mile radius

20,547 (US Census Data, 1980).

Distance to critical habitat (of endangered species)

None within 1 mile (NYSDEC Region 9).



LATITUDE: 42°55'52"
LONGITUDE: 78°53'41"

SCALE

0 1000 2000 3000 4000 FEET

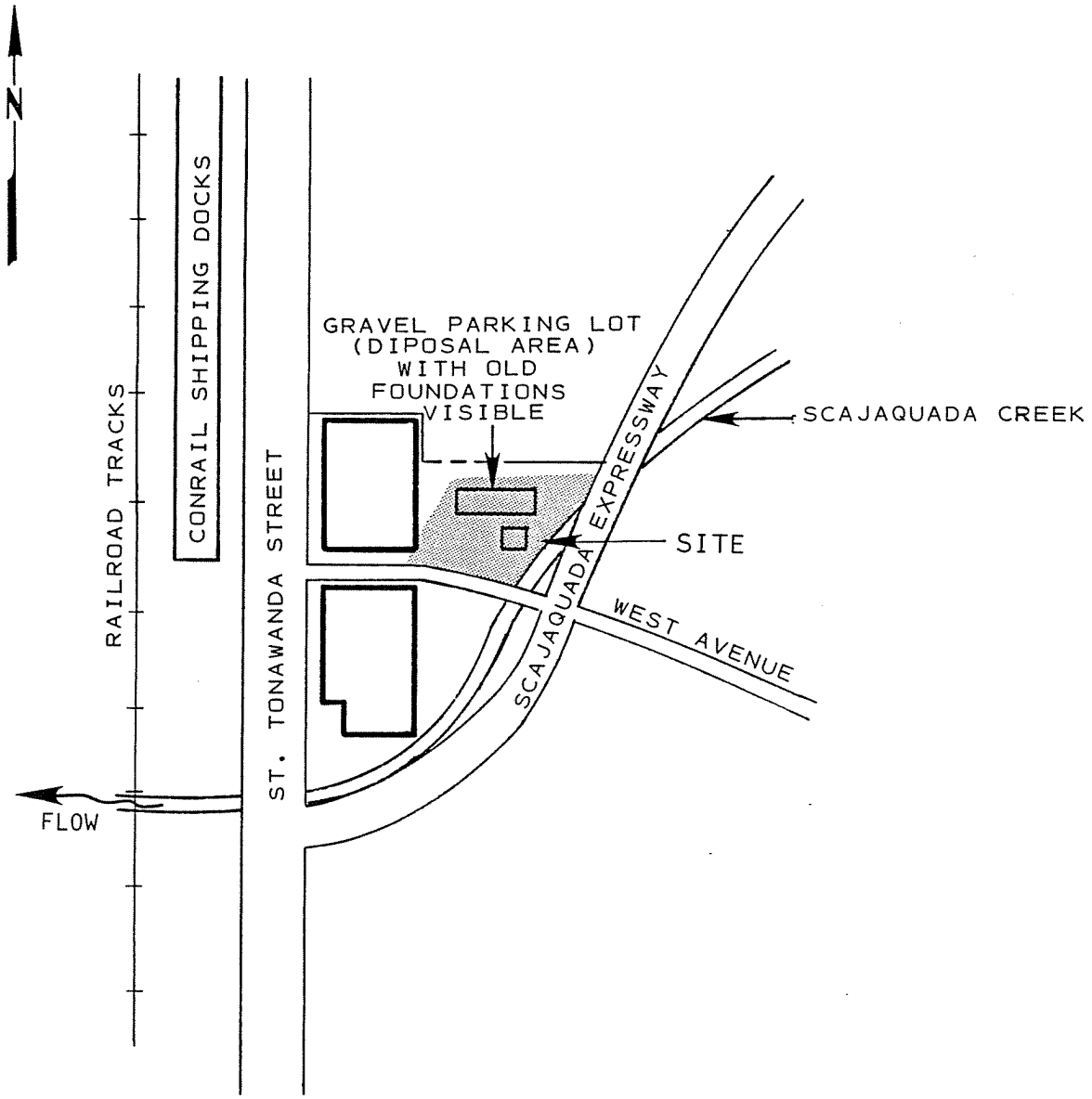
ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

SITE LOCATION MAP
FEDDERS AUTO COMPONENTS

REFERENCE: U.S.G.S. 7.5' Topographic Map
Buffalo NE, NY (1965) and Buffalo NW,
NY-ONT. (1965) Quadrangles

FIGURE iv-1



NOT TO SCALE

ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

PLOT PLAN

FEDDERS AUTO COMPONENTS

FIGURE Iv-2

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	000 211 5087

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
FEDDERS Automotive	57 Tonawanda Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Buffalo	NY	14207	ERIE	029	36

09 COORDINATES LATITUDE	LONGITUDE
42° 55' 52"	28° 53' 41"

10 DIRECTIONS TO SITE (Starting from nearest public road)

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Fedders Automotive Components Co	57 Tonawanda Street

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Buffalo	NY	14207	(716) 877-8000

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
Fedders Automotive Components Co	57 Tonawanda Street

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
Buffalo	NY	14207	(716) 877-8000

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES DATE 3 / 27 / 85 (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☒ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)

CONTRACTOR NAME(S): Engineering-Science and Dames & Moore

02 SITE STATUS (Check one)	03 YEARS OF OPERATION		
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN	1974 (BEGINNING YEAR)	1976 (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The Erie County, DEQ - Air Pollution control required that oil be used on-site for dust control in 1974, waste oils were used for this purpose until 1976. The waste oil used is suspected of containing PCB's. No analysis to date.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

The Fedders Automotive site is enclosed by fencing and 24 hour security is maintained. Fedders Automotive employees are the population most at risk if PCB laddened oils and hydraulic fluids were used on-site.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☒ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
S. Robert STEELE, II	Engineering-Science (ES)	(703) 591-7575

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
S. Robert STEELE, II	—	ES	( ) Same	4 / 15 / 85 (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D00211 5087

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☒ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS 29

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ 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
SLU	SLUDGE			
(OLW)	OILY WASTE 3 years	165	gal/year	light lubricating oils and
SOL	SOLVENTS			hydraulic fluids were used
PSD	PESTICIDES			on-site for dust control
OCC	OTHER ORGANIC CHEMICALS			from approximately 1974-1976
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
OLW	WASTE oil w/ PCBs	1336-36-3	Suspected LF		

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)

Erie County, Hazardous Waste Site Profile, February 1982

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D 002115087

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Small quantity of spilled oil suggests low possibility of groundwater contamination

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Again, small quantity suggests surface water contamination unlikely

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Disposal area now covered by additional gravel

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

No

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Small quantity of waste oil and large volume of Niagara River suggest that impact 2.1 miles downriver would not be serious.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0 002115087

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

unknown

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION *(Include name(s) of species)*

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES *(Spills/Runoff/Standing liquids, Leaking drums)* — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

Oil spilled on parking lot for dust control purposes

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

No

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NO

III. TOTAL POPULATION POTENTIALLY AFFECTED: unknown

IV. COMMENTS

It is uncertain if contaminated oil will be disposed of on site

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

Site inspection conducted by ES and OEM, 3/27/85

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	000211508 7

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
FEDDERS Automotive	57 Tonawanda Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Buffalo	NY	14207	Erie	029	36

09 COORDINATES		10 TYPE OF OWNERSHIP (Check one)
° LATITUDE	° LONGITUDE	☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN
42 52 52	78 53 41	

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 27 85 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1974 (BEGINNING YEAR) 1976 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR Engineering-Science (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☒ F. STATE CONTRACTOR Dvirka & Bartilucci (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
S. Robert STEELE II	Environmental Scientist	ES	(703) 471-7575
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Eileen Gilligan	Geologist	DEC	(315) 633-2346
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Mr. Rich Acksel	Mgr QC	57 Tonawanda Street Buffalo, NY 14207	(716) 877-8000
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	12 30 PM	Warm Sunny

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
S. Robert STEELE II	Engineering-Science	(703) 471-7575

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
S. Robert STEELE II		ES	Same	3 27 85 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D000211 5087

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER _____ (Specify)
- ☐ E. SLURRY
- ☑ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS _____
- CUBIC YARDS _____
- NO. OF DRUMS 9

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ 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
SLU	SLUDGE			
OLW	OILY WASTE 3 years	165	gal/year	light lubricating oils and hydraulic fluids were used on-site for dust control from approximately 1974-1976
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
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
OLW	WASTE oil w/ PCB's	1336-36-3	Suspect LF		

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)

Erie County, Hazardous Waste Site Profile, February 1982

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	0 00211 5087

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

unknown

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION *(Include name(s) of species)*

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

UNKNOWN

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES *(Spills/Runoff/Standing liquids, Leaking drums)* — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

Oil spilled on parking lot for dust control purposes

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

No

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

NO

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NO

III. TOTAL POPULATION POTENTIALLY AFFECTED: unknown

IV. COMMENTS

It is uncertain if contaminated oil was disposed of on site.

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

Site inspection conducted by ES and OEM, 3/27/85

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	D 002115087

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Small quantity of spilled oil suggests low possibility of groundwater contamination

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Again, small quantity suggests surface water contamination unlikely

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Disposal area now covered by additional gravel

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres) 04 NARRATIVE DESCRIPTION

No

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Small quantity of waste oil and large size of Niagara River suggest that impact 2.1 miles downriver would not be serious.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0 00211 5087

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				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☒ H. OPEN DUMP	495	gallons
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

☒ A. BUILDINGS ON SITE

06 AREA OF SITE

2 (Acres)

07 COMMENTS

The ERIE county, Dept of Environmental Quality, AIR POLLUTION Control required Fedders Automotive to control fugitive dust from their parking lot by spreading waste oils. This practice was initiated in approximately 1974 and discontinued in 1976.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☒ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

WASTE oils used for dust control were spread directly on the ground.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

The Fedders Automotive plant site is enclosed and 24 hour Security is maintained.

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

Hazardous Waste Site Profile Report, ERIE county Department of Environment and Planning, Febuary 1982

Letter from Fedders Automotive, George Cook to ERIE county, Ronald Koczaja, 29 JANUARY 1982.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	000211 5087

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ☒	B. ☐
NON-COMMUNITY	C. ☐	D. ☐

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE

A. 2.1 (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) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (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
UNKnown (ft)	NE	~ 50 (ft)	UNKnown (gpd)	☐ YES ☐ UNKnown

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

There are NO wells Known to be in the vicinity of the Site

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ☐ NO	COMMENTS: UNKnown	☐ YES ☐ NO	COMMENTS: UNKnown

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Scajaquada Creek	☐	0.04 (mi)
Niagara River	☐	0.38 (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
A. 20,547 NO. OF PERSONS	B. 76,966 NO. OF PERSONS	C. 173,509 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

~ 0.5 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

20,254

04 DISTANCE TO NEAREST OFF-SITE BUILDING

0.10 (mi)

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)

The site is in an industrial section of the City of Buffalo. An older urban neighborhood is located ~ 0.5 miles north of the site

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 0002115087

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)
☒ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one) Limestone
☐ 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
> 40 (ft)	unknown (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)	2.8 %	N-NW	1.5 %

09 FLOOD POTENTIAL
SITE IS IN > 100 YEAR FLOODPLAIN

10
☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)
ESTUARINE: A. > 2 (mi) OTHER: B. > 1 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
Migratory Birds > 1 (mi)
ENDANGERED SPECIES: Aquila chrysaetos Haliaeetes leucocephalus Falco Peregrenes.

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. 0.0 (mi)	B. 0.04 (mi) check during visit	C. > 2 (mi)	D. > 1 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The ground surface of this site & adjacent property slopes to the Scajaquada Creek, except where filling has occurred. This site is level with property to the north

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

Freeze and Cherry, Groundwater, 1979.
Erie Co. DEP site inspection field notes, 8/31/78
Erie Co DEP, Division of Planning, Land Use Maps.
NYS Wetlands Maps.
USDOC National Climatic Center

EPA FORM 2070-13 (7-81) USDOC Technical Paper No. 40

Site visit 1985

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	000211 5087

II. SAMPLES TAKEN

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	HNU meter measurements were taken during the site inspection conducted by ES and OEM, 3/27/85. All readings were less than 1 ppm

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☑ GROUND ☐ AERIAL

02 IN CUSTODY OF Engineering - Science
(Name of organization or individual)

03 MAPS ☑ YES ☐ NO

04 LOCATION OF MAPS Site plan was updated during the site inspection

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Fill material from the demolition of kilns was observed on-site. Kilns previously located on the present parking lot site were demolished between 1936 and 1942 and was used as fill material.

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

Site inspection conducted by ES and OEM, 3/27/85
Interview of Fedders Automotive Components Company, Mr. Richard Acksel, 4/12/85.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 000211 5087

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
FEDDERS Automotive Components Co.		57 Tonawanda Street	3714	Buffalo	NY	14207

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE
FEDDERS CORPORATION		158 Hwy 206, PO Box 265		Peapack	NJ	07977

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Fedders Corporation		57 Tonawanda Street		Buffalo	NY	14207
Fedders Quiggins Corp		57 Tonawand Street		Buffalo	NY	14207

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

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

Telephone Interview with Fedders Automotive employee.
Mr Mike Plattner, 3/12/85

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	000211 5087

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
FEDDERS Automotive Components Co.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
57 Tonawanda Street	

05 CITY	06 STATE	07 ZIP CODE
Buffalo	NY	14207

08 YEARS OF OPERATION	09 NAME OF OWNER
1980 - present	(SAME)

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
FEDDERS CORPORATION	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
Fedders CORP	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
57 Tonawanda Street	

05 CITY	06 STATE	07 ZIP CODE
Buffalo	NY	14207

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1940's	SAME

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER
Fedders QUIGGINS CORP.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
57 Tonawanda Street	

05 CITY	06 STATE	07 ZIP CODE
Buffalo	NY	14207

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1915-40's (est)	(SAME)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

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

Telephone Interview ON 3/12/85 with Fedders Automotive employee mr MIKE PLOTNER

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	000211508 7

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Fedders Automotive Components Co	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
57 Tonawanda Street	

05 CITY	06 STATE	07 ZIP CODE
Buffalo	NY	14207

Wastes including trichloroethylene still bottoms, solids from acid wash, small quantities of lubricating oils and solder dross are generated on-site and require off-site disposal

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Not Applicable			
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

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Volland Electric			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
1511 Niagara Street			
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
Buffalo	NY		
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 inspection conducted by ES and DLM, 3/27/85

Interview with Fedders Automotive, mr Richard Acksel, 4/12/85

Interview with Volland Electric, mr Jim Riley and Frank McClellan, 4/12/85.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0002115087

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	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 NO	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
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION NO	02 DATE	03 AGENCY

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D 002115087

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
Plant Site is secured with fence and 24-hour security

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NO

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NONE

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

Site inspection conducted by ES and O&M, 3/27/85

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	D 002115087

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☑ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

NONE

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

NYSDEC, Environmental Enforcement Division,
NYS, Attorney Generals Office

SECTION VI

ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

ASSESSMENT OF DATA ADEQUACY

A summary assessment of the adequacy of existing data for completion of the HRS score is presented in Table VI-1. Based on this assessment, the following Phase II work plan and cost estimate has been prepared.

PHASE II WORK PLAN

Objectives

The objectives of the Phase II activities are:

- To collect additional field data necessary to identify the occurrence and extent of contamination and to determine if any imminent health hazard exists.

- To perform a conceptual evaluation of remedial alternatives and estimate budgetary costs for the most likely alternative.

- To prepare a site investigation report including final HRS score.

A two step approach is recommended for conducting the Phase II investigation at this site. If PCB's are detected during Step 1, the additional monitoring outlined under Step 2 should be conducted. The additional field data required to complete this investigation are described as follows:

Step 1

Auger Holes - Three auger holes (5 feet in depth) are recommended to be installed. The holes are to be sampled continuously and analyzed for PCBs.

Step 2

Surface Water and Sediment - A surface water and sediment monitoring system consisting of three monitoring stations is recommended. One station (S-1) will be upgradient of the site in Scajaquada Creek, one station (S-2) will be adjacent to the site, and one station (S-3) will be downgradient. The surface water and sediment samples will be analyzed for PCBs and lead.

TASK DESCRIPTION

The proposed Phase II tasks are described in Table VI-2 as required under the site specific health and safety plan and quality assurance plan which must be submitted prior to initiation of field activities. The proposed monitoring well and sampling location are presented in Figure VI-1.

COST ESTIMATE

The estimated man-hours required for the Phase II project are presented in Table VI-3 and the estimated project costs by tasks are presented in Table VI-4. The estimated total cost for this project is $21,336.

TABLE VI-1

ASSESSMENT OF ADEQUACY OF DATA

HRS Data Requirement	Comments on Data
Observed Release	
Groundwater	Insufficient data to score release
Surface Water	Insufficient data to score release
Air	HNu meter readings taken, no release observed
Route Characteristics	
Groundwater	Insufficient data, estimated soil types and depth to aquifer of concern
Surface Water	Adequate data for HRS score
Air	Adequate data for HRS score
Containment	Adequate data for HRS score
Waste Characteristics	Sampling needed, PCB wastes suspected to be on-site
Targets	Adequate data for HRS score
Observed Incident	Adequate data for HRS score
Accessibility	Adequate data for HRS score

TABLE VI-2

PHASE II WORK PLAN - TASK DESCRIPTION

	Tasks	Description of Task
II-A	Update Work Plan	Review the information in the Phase I report, conduct a site visit, and revise the Phase II work plan.
II-B	Conduct Geophysical Studies	No further studies necessary.
II-C	Conduct Boring/Install Monitoring Wells	No further studies are necessary unless PCBs are detected in significant concentrations in the auger hole samples.
II-D	Construct Test Pits/Auger Holes	Three auger holes will be drilled to a maximum depth of five feet and sampled continuously.
II-E	Perform Sampling & Analysis	
	Soil samples from borings	No further studies necessary.
	Soil samples from surface soils	No further studies necessary.
	Soil samples from auger holes/test pits	Auger holes sampled continuously.
	Sediment samples from surface water	Three sediment samples are to be collected and analyzed for PCBs.
	Groundwater samples	No further studies necessary.
	Surface water samples	Three surface water samples are to be collected and analyzed PCBs.

TABLE VI-2 (Continued)

PHASE II WORK PLAN - TASK DESCRIPTION

Tasks		Description of Task
	Air samples	No further studies necessary.
	Waste samples	No further sampling necessary.
II-F	Calculate Final HRS	Based on the field data collected in Tasks II-B - II-E, complete the HRS form.
II-G	Conduct Site Assessment	Prepare final report containing significant Phase I information, additional field data, final HRS and HRS documentation records, and site assessments. The site assessment will consist of a conceptual evaluation of alternatives and a preliminary cost estimate of the most probable alternative.
II-H	Project Management	Project coordination, administration and reporting.

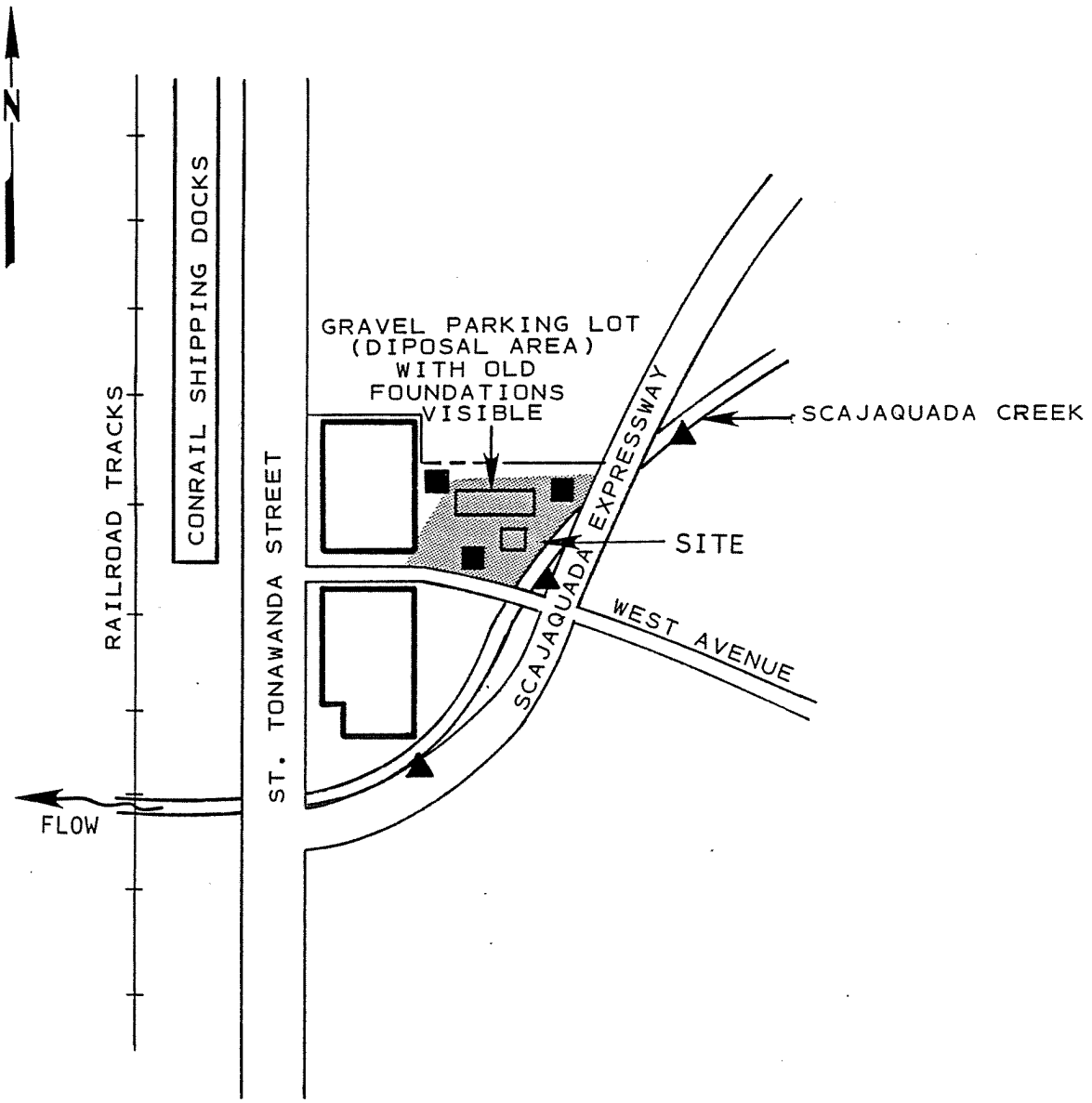
TABLE VI-3
PERSONNEL RESOURCES BY TASK
PHASE II HRS SITE INVESTIGATION (SITE: FEDDERS AUTOMOTIVE)

TASK DESCRIPTION	TEAM MEMBERS, MANHOURS													
	PIC	TRB	PM	DPM	PCM	QAM	HSM	FTL	FT	RAAL	RAAT	SS	TOTAL HOURS	TOTAL $
II-A UPDATE WORK PLAN	1	1	6	3		4	4	16		8		28	71	1066.55
II-B CONDUCT GEOPHYSICAL STUDIES													0	0
II-C CONDUCT BORING/INSTALL MONITORING WELLS													0	0
II-D CONSTRUCT TEST PITS/AUGER HOLES			4	4		2	2	4	16			8	40	535.14
II-E PERFORM SAMPLING AND ANALYSIS														
SOIL SAMPLES FROM BORINGS													0	0
SOIL SAMPLES FROM SURFACE SOILS													0	0
SOIL SAMPLES FROM TEST PITS AND AUGER HOLES			2	2		1	1	4	8			4	22	318.21
SEDIMENT SAMPLES FROM SURFACE WATER			2	2		1	1	4	8			4	22	318.21
GROUND-WATER SAMPLES													0	0
SURFACE WATER SAMPLES			4	2		1	1	4	8				20	336.73
AIR SAMPLES													0	0
WASTE SAMPLES													0	0
II-F CALCULATE FINAL HRS			4	4				4	4	4			20	397.48
II-G CONDUCT SITE ASSESSMENT	2	2	8	2				24	32	12	40	40	162	2142.82
II-H PROJECT MANAGEMENT	2		6	2	3	4	4					10	31	515.04
TOTALS	5	3	36	21	3	13	13	60	76	24	40	94	388	5650.18

TABLE VI-4
COST ESTIMATE BREAKDOWN BY TASK
PHASE II HRS SITE INVESTIGATION (SITE: FEDDERS AUTOMOTIVE)

TASK DESCRIPTION	DIRECT LABOR HOURS	DIRECT LABOR COST	OTHER DIRECT COSTS (ODC), $ LAB ANALYSIS	TRAVEL AND SUBSISTANCE	SUPPLIES	EQUIP. CHARGES	SUBCON-TRACTORS	MISC.	SUBTOTAL ODC	TOTAL ($)
II-A UPDATE WORK PLAN	71	$1,066.55		$200.00	$50.00	$50.00		$50.00	$350.00	$1,416.55
II-B CONDUCT GEOPHYSICAL STUDIES	0	$0.00							$0.00	$0.00
II-C CONDUCT BORING/INSTALL MONITORING WELLS	0	$0.00							$0.00	$0.00
II-D CONSTRUCT TEST PITS/AUGER HOLES	40	$555.14		$150.00	$50.00	$60.00	$1,500.00	$50.00	$1,810.00	$2,365.14
II-E PERFORM SAMPLING AND ANALYSIS										
SOIL SAMPLES FROM BORINGS	0	$0.00							$0.00	$0.00
SOIL SAMPLES FROM SURFACE SOILS	0	$0.00							$0.00	$0.00
SOIL SAMPLES FROM TEST PITS AND AUGER HOLES	22	$318.21		$85.00	$50.00	$60.00		$20.00	$215.00	$533.21
SEDIMENT SAMPLES FROM SURFACE WATER	22	$318.21	$600.00	$150.00	$120.00	$75.00		$50.00	$995.00	$1,313.21
GROUND-WATER SAMPLES	0	$0.00							$0.00	$0.00
SURFACE WATER SAMPLES	20	$336.73	$540.00	$150.00	$120.00	$75.00		$50.00	$935.00	$1,271.73
AIR SAMPLES	0	$0.00							$0.00	$0.00
WASTE SAMPLES	0	$0.00							$0.00	$0.00
II-F CALCULATE FINAL HRS	20	$397.48			$150.00	$150.00		$20.00	$320.00	$717.48
II-G CONDUCT SITE ASSESSMENT	162	$2,142.82			$750.00	$300.00		$75.00	$1,125.00	$3,267.82
II-H PROJECT MANAGEMENT	31	$515.04	$90.00	$300.00	$150.00	$50.00		$50.00	$640.00	$1,155.04
TOTALS	388	$5,650.18	$1,230.00	$1,035.00	$1,440.00	$820.00	$1,500.00	$365.00	$6,390.00	$12,040.18

OVERHEAD=	$8,068.46
SUBTOTAL=	$20,108.64
FEE=	$1,226.99
TOTAL PROJECT COST=	$21,335.63



NOT TO SCALE

EXPLANATION:

- ■ PROPOSED TEST HOLE
- ▲ PROPOSED SURFACE WATER AND SEDIMENT SAMPLE

ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

PROPOSED SAMPLING LOCATIONS

FEDDERS AUTO COMPONENTS

FIGURE VI-1

APPENDIX A

REFERENCES

Sources Contacted

Documentation

SOURCES CONTACTED FOR

FEDDERS AUTOMOTIVE COMPONENTS COMPANY INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
USEPA Headquarters, Superfund Office	4/2/85	Hamid Saebfed	(202) 382-4839	401 M Street, NW Washington, D.C. 20460	Reviewed list of sites to determine if additional information was available.
USEPA - Region II, OERR	3/22/85	Mel Hauptman	(212) 264-7681	Room 402 26 Federal Plaza NY, NY 10278	General information from site files.
NYSDEC - Division of Solid and Hazardous	12/19/84	Marsden Chen	(518) 457-0639	50 Wolf Road Albany, NY 12233	General information from site files.
NYSDEC - Division of Water	12/19/84	Sal Pagano	(518) 457-6675	50 Wolf Road Albany, NY 12233	Mr. Pagano set up meetings with three bureaus within Division of Water.
NYSDEC - Division of Water SPDES Files	12/20/84	Bob Hannaford	(518) 457-6716	50 Wolf Road Albany, NY 12233	Reviewed SPDES Files for permit numbers and conditions.
NYSDEC - Division of Water DMR Files	12/21/84	George Hansen	(518) 457-2010	50 Wolf Road Albany, NY 12233	Reviewed DMR files for discharge violations.
NYSDEC - Division of Air Toxics	12/21/84	Art Fossa	(518) 457-7454	50 Wolf Road Albany, NY 12233	Reviewed site list to identify sites with potential air emissions.
NYSDEC - Division of Monitoring and Assessment	12/21/84	Bill Berner Frank Estabrook Fred Van Alstyne	(518) 457-7363 (518) 457-7363 (518) 457-7363	50 Wolf Road Albany, NY 12233	Reviewed geology and monitoring information for specific sites.

SOURCES CONTACTED FOR
FEDDERS AUTOMOTIVE COMPONENTS COMPANY INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
NYSDEC - Division of Environmental Enforcement	12/20/84	Kevin Walter	(518) 457-4346	50 Wolf Road Albany, NY 12233	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYS - Attorney General's Office, Dept. of Law	1/7/85	Val Washington	(518) 473-3105	Empire State Plaza Justice Building Albany, NY 12233	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYS - Attorney's Office	1/3/85	Albert Bronson	(716) 847-7196	Buffalo State Office Bldg. Buffalo, NY 14202	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYSDEC - Division of Solid and Hazardous Waste	1/7/85	Ahmad Tayyebi Larry Clare Peter Buechi Jack Tygert	(716) 847-4615 (716) 847-4615 (716) 847-4590 (716) 847-4585	600 Delaware Ave. Buffalo, NY 14202	Collected information from site files.
NYSDEC - Region 9 Division of Air	1/8/85	Henry Sandonato Robert Armbrust	(716) 847-4565	600 Delaware Ave. Buffalo, NY 14202	Collected information concerning previous air emissions from inactive disposal sites.

SOURCES CONTACTED FOR
FEDDERS AUTOMOTIVE COMPONENTS COMPANY INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
NYSDEC - Regional Attorney	1/10/85	Peter J. Burke	847-4551	600 Delaware Ave. Buffalo, NY 14202	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.
NYS Dept. of Health, Buffalo Region, Public Health Engineering	1/8/85	Lou Violanti	(716) 847-4500	584 Delaware Ave. Buffalo, NY 14202	Collected information from site files.
NYSDEC - Region 9 Division of Fish and Wildlife	1/10/85 & 1/11/85	Mike Wilkinson Jim Sneider	(716) 847-4600	600 Delaware Ave. Buffalo, NY 14202	Collected information from site files
Erie County, Division of Environmental Control, Dept. of Environment & Planning	1/10/85	Don Campbell Ron Koczaja	(716) 846-6271 (716) 846-6370	95 Franklin Street Buffalo, NY 14202	Collected information from Erie County site files. Obtained additional information through interview.
Erie County, Division of Economic Development and Planning	4/2/85	Mike Alspaugh	(716) 846-6013	95 Franklin Street Buffalo, NY 14202	Obtained 1980 U.S. Census Data.
NYSDEC - Division of Water	4/12/85	Carol Raymond	(518) 457-2010	50 Wolf Road Albany, NY	SPDES permit information on the site.

SOURCES CONTACTED FOR

FEDDERS AUTOMOTIVE COMPONENTS COMPANY INVESTIGATION

CONTACT	DATE CONTACTED	PERSON CONTACTED	TELEPHONE NUMBER	LOCATION	INFORMATION COLLECTED
Fedders Automotive Components Company	3/27/85 4/12/85	Richard Acksel	(716) 877-8000	57 Tonawanda St. Buffalo, NY 14207	Conducted site inspection, reviewed type and quantity of wastes generated on-site and discussed past dust control practices.
Fedders Automotive Components Company	3/12/85	Mike Plotner	(716) 877-8000	57 Tonawanda St. Buffalo, NY 14207	Site history and plant ownership.
Buffalo Electric Co.	4/12/85	Joe Flood	(716) 849-7444	75 W. Mohawk St. Buffalo, NY 14207	Discussed service agreement with Fedders Automotive and disposal of transformer oils.
Volland Electric Equipment Corporation	4/12/85	Jim Riley Frank Waclawek	(716) 884-2713	1511 Niagara St. Buffalo, NY 14202	Discussed service agreement with Fedders Automotive and disposal of transformer oils.

REFERENCES

1. Buffalo Electric Company, Flood, Joe, Personal Communication, 4/12/85.

2. Erie County Department of Environmenta and Planning (ECDEP), Hazardous Waste Site Profile Report, 1982.

3. Fedders Automotive Components Company, Mr. Richard Acksel, Personal Communications, 4/12/85.

4. Fedders Automotive Components Company, Mr. Richard Acksel, Personal Communications, 11/21/86.

5. Fedders Automotive Components Company, Letter to ECDEP from mr. George Cook, 11/29/82.

6. Freeze, R. A., and Cherry, J. A. Groundwater, 1979.

7. LaSala, Groundwater Resources of the Erie-Niagara Basin, New York, 1968.

8. NYS Atlas of Community Water System Sources, NYSDOH, 1982.

9. NYS Museum and Science Service Bedrock Geology Map, Map and Chart Series, No. 15 (Compiled by Richard, L. and Fisher, D.), 1970.

10. NYS Wetlands Maps (Not Provided in Report).

11. NYSDEC Region 9, Department of Fish and Wildlife Files.

12. NYSDEC Hazardous Waste Survey, 1/16/78.

13. NYSDEC, Registry Sheet, 12/83.

14. O-CEL-O, Boring Data, Phase I Report, May, 1985.

15. US Bureau of the Census Data, 1980.

16. USDOC, National Climatic Center, "Climatic Atlas of the United States", 1979.

17. USDOC, Technical Paper No. 40.

18. USGS, Boring Logs, 1982.

19. USGS Topographic Maps: Buffalo NW, NY-ONT, 1965, Buffalo NE, NY 1965 Quandrangles.

20. Vollard Electric Company, Inc., Waclawcki, Frank, Personal Communication, 4/12/85.

REF-1

INTERVIEW FORM

INTERVIEWEE/CODE Mr Joe Flood /

TITLE - POSITION Buffalo Electric Company

ADDRESS 75 W. Mohawk

CITY Buffalo STATE NY ZIP 14202

PHONE (716) 675-9010. RESIDENCE PERIOD _____ TO _____

LOCATION Telephone Interview INTERVIEWER S. Robert STEELE, II

DATE/TIME 4/12/85 / 10^20 Am

SUBJECT: Service of Transformers for Federal Automotive Components Co.

REMARKS: Buffalo Electric company has not serviced the transformers at Feders Automotive Components Company in many years. Waste transformer oils contaminated by PCB's are not collected by Buffalo Electric but are left at the plant site to be disposed by the company generating the waste. It is then up to the company to arrange for proper disposal by a waste disposal contractor.

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE:

COMMENTS:

REF-2

HAZARDOUS WASTE SITE PROFILE

FEDDERS AUTOMOTIVE COMPANY

BUFFALO, NEW YORK

SITE #915024

Prepared by

Erie County Department of Environment
and Planning

February 1982

FEDDERS AUTOMOTIVE COMPONENT COMPANY

57 Tonawanda Street
Buffalo, New York

DEC Site #915024

BACKGROUND INFORMATION

This site was listed by the Interagency Task Force on Hazardous Waste because the company spread waste oil as a dust suppressant on their parking lot. Approximately 165 gallons/year of waste oil was spread over the 2 acre area. The activity occurred until 1981 when crushed stone was placed over the parking area. The parking area oiling was instituted on the instructions of Erie County (DEQ-Air Pollution Control - approximately 1974) during a fugitive dust control effort. The crushed stone (not slag) has proved satisfactory as a dust control agent. Scajaquada Creek borders one edge of the parking lot. The Niagara River and Black Rock Canal are within ¼ mile of the site and to the west.

Waste oils used for dust control were stated by company officials as light lube oils or hydraulic fluids. The company officials stated that the firm did not spread any transformer oils over the parking lot.

Aerial photographs for the years 1959, 1966 and 1952 did not show any indication of waste landfilling at this site.

The study area is located in a highly urbanized zone with an estimated population of grater than 10,000 within a one (1) mile radius of the site. Land use within this one mile radius consists of a mix of industrial, commercial and residential development.

GROUNDWATER, BEDROCK, SOILS AND SURFACE WATER

The URS Study reports a "miscellaneous" natural groundwater table. This area is believed to be underlain with a limestone bedrock according to the URS Study. Doctor Hodges (SUNY at Buffalo) reports that the bedrock lies at a depth of 40-60 feet.

Soils have been classified as "Urban" by the Soil Conservation Service and as silty clay, sand and silt by Ernest H. Muller on his Quaternary Geology of New York State (1977).

The Niagara River and Black Rock Canal are located approximately ¼ mile to the west and the Scajaquada Creek is adjacent to the site. These are the only surface waters within two (2) miles of the site.

There are no New York State Department of Environmental Conservation designated wetlands within 1 mile of the site.

A review of the Federal Flood Insurance Program Flood Hazard Boundary Maps indicate that the eastern portion of the site is in the 100 year Flood Plain of Scajaquada Creek.

- continued -

FIRE AND EXPLOSION

No fire or explosion hazard is associated with this site.

DIRECT CONTACT

Public access to the site is restricted. Fedders Automotive Component Company employees come in contact with the area on a daily basis when they use the area for parking.

CONCLUSIONS AND RECOMMENDATIONS

It was confirmed that the site received approximately 165 gallons per year of waste oils, spread over a two (2) acre area. This activity occurred for an unspecified period of time. The company stated that light lubrication oils and hydraulic fluids were spread over the parking lot for dust control. Transformer oils were not placed on the lot. PCB's have been associated with hydraulic fluids therefore, it is possible that the soil has been contaminated with PCB's. We recommend that soil samples be taken to determine the presence or absence of PCB's. We also recommend that, if found present in the soils, a EPA leachate potential test be done to determine potential contribution to Scajaquada Creek.

REF-3

INTERVIEW FORM

INTERVIEWEE/CODE Mr Richard Acksel 1

TITLE - POSITION Manager Quality Control Fedders Automotive Components Co.

ADDRESS 57 Tonawanda Street

CITY Buffalo STATE NY ZIP 14207

PHONE (716) 877-8000 RESIDENCE PERIOD _____ TO _____

LOCATION Telephone Interview INTERVIEWER S. Robert STEELE, II

DATE/TIME 4/12/85 1 10^00 AM

SUBJECT: PHASE I INVESTIGATION OF parking lot

REMARKS: The industrial wastes generated on-site include acid wash water, degreasing solvents (111, Trichloroethylene) Still bottoms, lubricating oils and Solder dross. The acid wash water is discharged to the sanitary sewer, degreasing still bottoms, lubricating oils and settled solids from the acid wash process are drummed for off-site disposal. Solder dross is recycled off-site. Volland Electric and Buffalo electric have performed transformer fluid filtering and oil changes in the past. In the past, the parking lot had KILNS on-site which were demolished and used as fill on-site between 1936 & 1942. In approx 1981, the parking lot was covered with gravel for dust control. No transformer oils containing PCB's were used for dust control on-site. Ashland

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE:

COMMENTS:

INTERVIEW FORM

INTERVIEWEE/CODE Richard Acksel / 1

TITLE - POSITION Manager Quality Control

ADDRESS 57 Tonawanda Street

CITY Buffalo, STATE NY ZIP 14207

PHONE (716) 877-8000 RESIDENCE PERIOD ____ TO ____

LOCATION Telephone conversation INTERVIEWER S. R STEELE

DATE/TIME 1/21/86 / 11:00 AM

SUBJECT: Disposal of Transformer oil

REMARKS: Since 1980, the Volland Electric Equipment Co. has provided maintenance service of the transformers at the Fedders Automotive Components Company. The oil presently used is a non-PCB containing transformer oil manufactured by the Texaco Oil Company. No records exist which indicate the type or quantity of wastes removed off-site by service contractors in the past. Also, the method used by the service contractors to dispose of the waste oils are unknown.

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE:

COMMENTS:

REF-5

FEDDERS AUTOMOTIVE COMPONENTS COMPANY
A DIVISION OF FEDDERS CORPORATION
57 Tonawanda Street • Buffalo, N. Y. 14207

January 29, 1982

Dept. of Environment and Planning
Division of Environmental Control
Edward A. Rath County Office Building
95 Franklin Street - 10th Floor
Buffalo, NY 14202

Attention: Mr. Ronald Koczaja
Environment Quality Engineer

Dear Mr. Koczaja:

As we discussed on January 22, 1982, the following is a list of the oils and their suppliers as used in our plant:

1. Niagara Lubricant Company, Inc.
   105 Manitoba Street
   Buffalo, NY

   a) Heavy medium hydraulic oil
   b) 30W motor oil
   c) 10W40 motor oil
   d) Comptol 68

2. Imperial Metallic Lubricants Company
   6 Webster Street
   North Tonawanda, NY

   a) Moluballoy Astrol 881
   b) Molluballoy General Purpose 35

3. AT Supply, Inc.
   505 North French Road
   Amherst, NY

   a) Keystone LT-49

4. Texaco Oil Company

   a) Transformer oil
      (none purchased in at least 5 years - one 55 gallon drum on hand for adding to our transformers as replacement for heat dissipation while operating)

TELEPHONE: (716) 877-8000

At the present time, all of our used oil (from compressors, auto motors, etc.) is reused as a lubricant for tube bending. In the past, all surplus oils were sold to Booth Oil Company, 75 Robinson Street, North Tonawanda, NY. At one time, the used hydraulic oil was used for dust control in our parking lot, but the last time it was used for this purpose was the summer of 1976.

All transformer oil changes are done by Volland Electric Equipment Corporation, 1511 Niagara Street, Buffalo, NY, and they dispose of any used transformer oil.

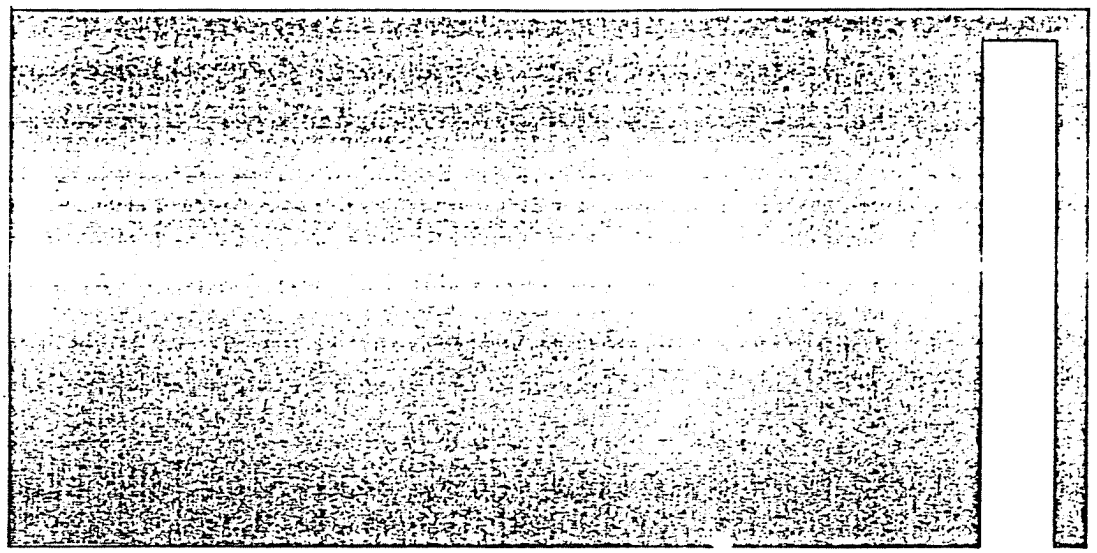
Very truly yours,

FEDDERS AUTOMOTIVE
COMPONENTS COMPANY

George Cook
Maintenance Superintendent

GC:kg
cc: R. Acksel

REF-6



R. Allan Freeze

Department of Geological Sciences
University of British Columbia
Vancouver, British Columbia

John A. Cherry

Department of Earth Sciences
University of Waterloo
Waterloo, Ontario

GROUNDWATER

Prentice-Hall, Inc.
Englewood Cliffs, New Jersey 07632

Table 2.2 Range of Values of Hydraulic Conductivity and Permeability

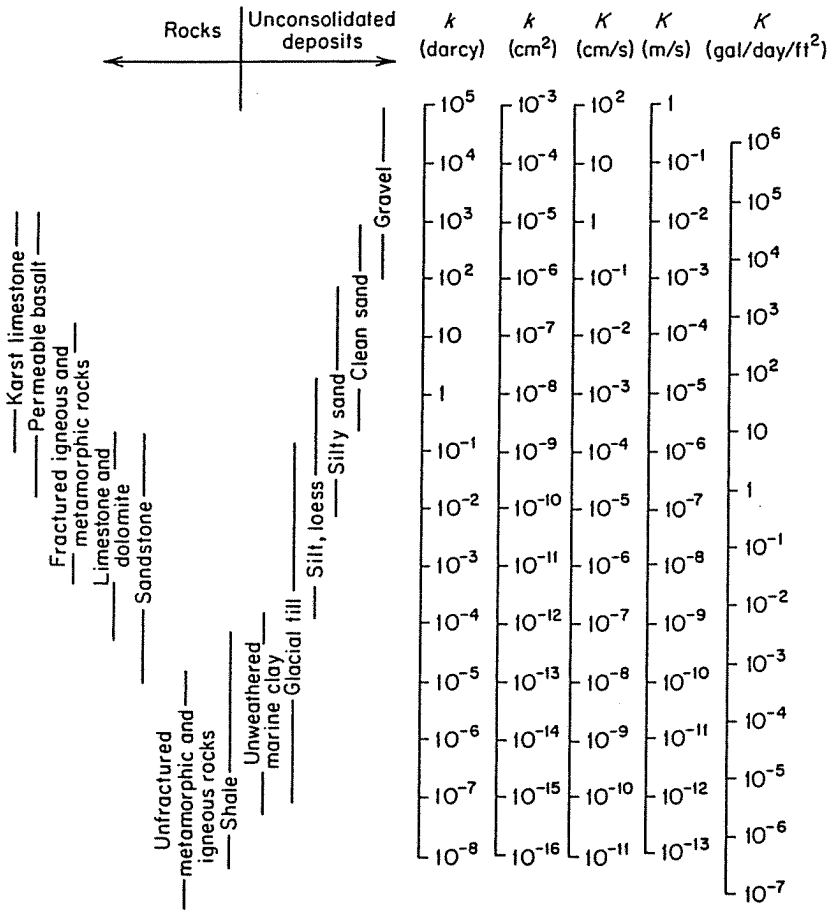


Table 2.3 Conversion Factors for Permeability and Hydraulic Conductivity Units

	Permeability, k*			Hydraulic conductivity, K		
	cm^2	ft^2	darcy	m/s	ft/s	gal/day/ft^2
cm^2	1	1.08×10^{-3}	1.01×10^{8}	9.80×10^{2}	3.22×10^{3}	1.85×10^{9}
ft^2	9.29×10^{2}	1	9.42×10^{10}	9.11×10^{5}	2.99×10^{6}	1.71×10^{12}
darcy	9.87×10^{-9}	1.06×10^{-11}	1	9.66×10^{-6}	3.17×10^{-5}	1.82×10^{1}
m/s	1.02×10^{-3}	1.10×10^{-6}	1.04×10^{5}	1	3.28	2.12×10^{6}
ft/s	3.11×10^{-4}	3.35×10^{-7}	3.15×10^{4}	3.05×10^{-1}	1	5.74×10^{5}
gal/day/ft^2	5.42×10^{-10}	5.83×10^{-13}	5.49×10^{-2}	4.72×10^{-7}	1.74×10^{-6}	1

*To obtain k in ft^2, multiply k in cm^2 by 1.08×10^{-3}.

REF-7

GROUND-WATER RESOURCES OF THE ERIE-NIAGARA BASIN, NEW YORK

Prepared for the
Erie-Niagara Basin Regional Water Resources
Planning Board

by

A. M. La Sala, Jr.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
in cooperation with
THE NEW YORK STATE CONSERVATION DEPARTMENT
DIVISION OF WATER RESOURCES

STATE OF NEW YORK
CONSERVATION DEPARTMENT
WATER RESOURCES COMMISSION

Basin Planning Report ENB-3
1968

REF-8

New York State Atlas of Community Water System Sources

1982

NEW YORK STATE
DEPARTMENT OF HEALTH

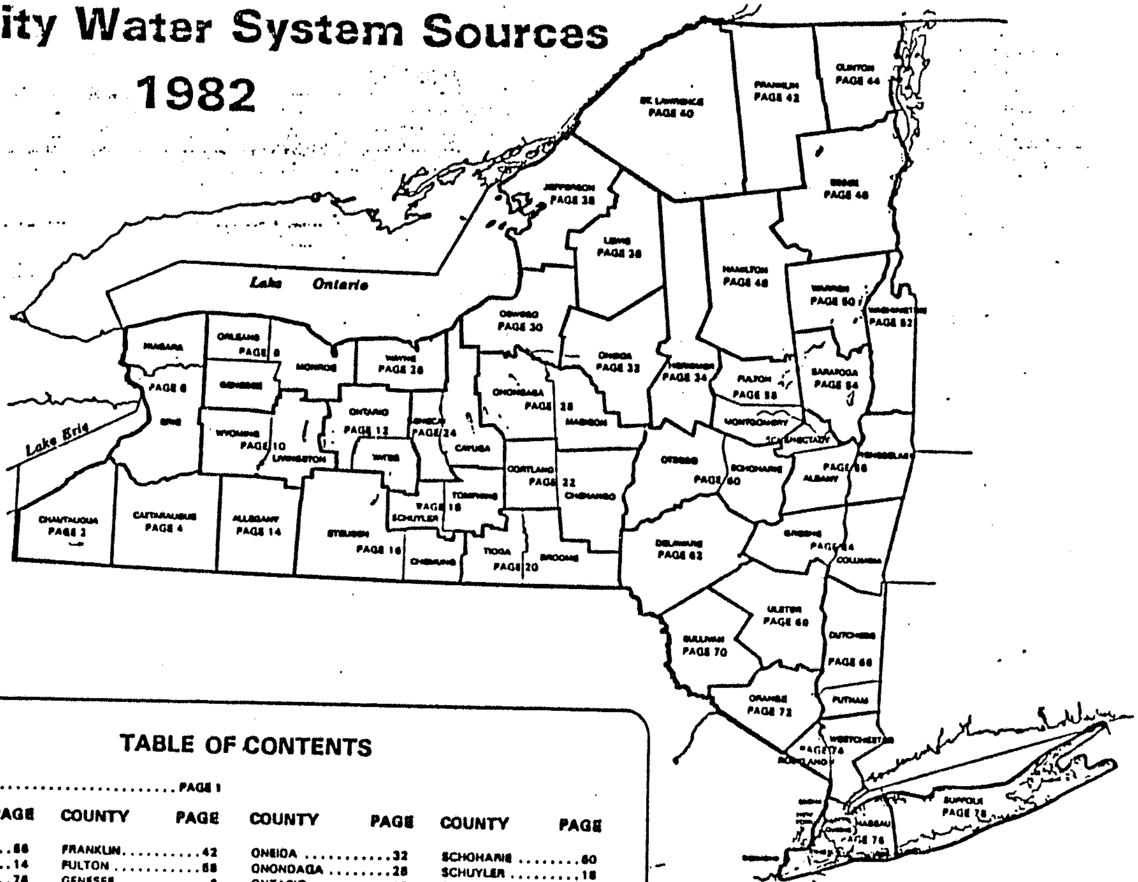


TABLE OF CONTENTS

LEGEND

BOUNDARIES AND PLACES

- International
- State
- County
- Town
- Indian Reservation
- City — Village
- Unincorporated Place — Federal Reservation
- Built-up Area (Over 25,000 population including any contiguous city or village)

CLASSIFICATION OF POPULATED PLACES

- 100,000 or more .... YONKERS
- 50,000 to 100,000 .... Levittown
- 12,500 to 50,000 .... Poughkeepsie
- 2,500 to 12,500 .... Hampton Bays
- 250 to 2,500 .... Bayville
- 250 or less

TRANSPORTATION

Highways
- Divided Highways
  - Full Control of Access
  - Partial or No Control of Access
- Undivided Highway
- Interchange
- Touring Route (State, U.S., Interstate) or State Parkway
- Touring Route Markers
  - State: U.S.: Interstate

Railroads
- Operating Line — Service Discontinued
- Operator
- Owner (If Other than Operator)
- Company Having Trackage Rights

Airports (Open to the Public, Military)
- Runway under 4000' — Runway over 4000'

Rest Areas
- Food, Gas, Rest Rooms — Rest Rooms
- Gas, Rest Rooms — Parking Only

RECREATION FACILITIES

- State or National Recreation Area
- State Campground
- State Boat Launching Site
- State Canal Park
- State Fish Hatchery
- Other State Recreation Site

LOCATION OF COMMUNITY WATER SYSTEM SOURCES-1982

BUREAU OF PUBLIC WATER SUPPLY PROTECTION

ERIE and NIAGARA COUNTIES

GEOLOGIC MAP OF NEW YORK

1970

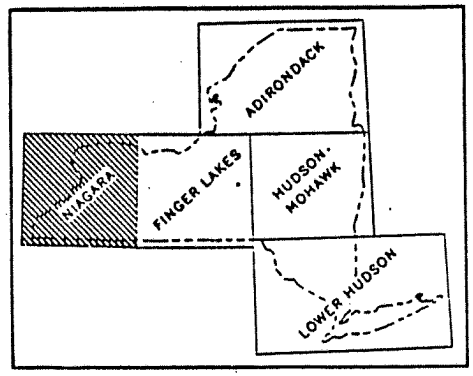
Niagara Sheet

Scale 1:250,000

5 0 5 10 15 Statute Miles 20

5 0 5 10 15 20 25 Kilometers 30

CONTOUR INTERVAL 100 FEET



Topographic Base from AMS Quadrangles 1:250,000 scale.

NEW YORK STATE MUSEUM AND SCIENCE SERVICE

MAP AND CHART SERIES NO. 15

COMPILED AND EDITED BY

Lawrence V. Rickard

Donald W. Fisher

March, 1970

REF-9

REF-10

NYS WETLANDS MAPS

NYS Wetlands Maps were reviewed during the Phase I investigation. Individual maps for each site were not obtained and are, therefore, not included in the Phase I reports. Site specific information collected concerning the location of a wetland within 1 mile of a given site is recorded in the documentation section of each report.

REF - 11

INTERVIEW FORM

INTERVIEWEE/CODE Jim Snieder Mike Wilkenson /
TITLE - POSITION NYSDEC, Bur of Fish & Wildlife
ADDRESS Delaware Ave.
CITY Buffalo STATE NY ZIP
PHONE ( ) RESIDENCE PERIOD TO
LOCATION in DEC office INTERVIEWER Eileen Gilligan
DATE/TIME 1/10/85 & 1/11/85 /
SUBJECT: Phase I site information

REMARKS: The above-named interviewees provided us with the following information regarding our Phase I site. (see attached list):

1) Wetlands in Niagara Co. & proximity to sites
2) Types of fish & wildlife in Erie/Niagara area
3) Use by fish & wildlife of Niagara River & tributaries
4) Sensitive environments & proposed wetlands in the Erie/Niagara area.

Fedders Automotive Site
- there are no critical habitat or an endangered species within one mile of the site

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE: James R. Snieder - Sr. Wildlife Biologist
Michael A. Wilkinson - Conservation Biologist (Cheektowaga)

COMMENTS: No discussion of wetlands/wildlife regarding Mina Landfill site - referred to Olean Office

REF - 12

Appointment Made / / by
Site Visit or Phone Visit 1/13/77 by DMQ.
Follow-up 1/26/77 by DMQ
Form Completed 1/26/77 by DMQ

Company Name Fedders Corp
Address 57 Tonawanda St.
Buffalo, NY. 14207
County Erie Phone 877-8000
SIC Codes 1. 3585 3.
2. 3714 4.

Comments: STORM COMP. 8/7/78 DMQ

New York State Hazardous Waste Survey
Department of Environmental Conservation
Division of Solid Waste Management
50 Wolf Road, Albany, N.Y. 12233 Telephone: (518) 457-6605

General Information

1. Company Name FEDDERS AUTOMOTIVE COMPONENT CORP.

Mailing Address 57 TONAWANDA ST BUFFALO NY 14207
Street City State Zip

Plant Location [X] Same as above

Street City State Zip

2. If Subsidiary, Name of Parent Company FEDDERS' CORP.

3. Individual Responsible for Plant Operations MR. GEORGE COOK
Name

MAINTENANCE SUPT. 877-8000
Title Phone

4. Individual Providing Information MR. FRED SPILLSBURY
Name

PRODUCTION CONTROL MGR. 877-8000
Title Phone

5. Department of Environmental Conservation Interviewer DANIEL QUACKENBUSH

6. Standard Industrial Classification (SIC) Codes for Principal Products

Group Name	SIC Code (4 Digit)	Approximate % of [X] Production / / Value Added
a. MOTOR VEHICLE PARTS AND	3714	100
b. ACCESSORIES		
c.		
d.		

7. Processes Used at Plant
a. STAMPING, SAWING
b. SOLDERING, BRAZING
c. WELDING
d. TESTING, PAINTING, PKGNG.
e. DEGREASING
f. ACID WASH

8. Products
a. AUTOMOTIVE RADIATORS
b. CAR HEATERS
c. TRANSMISSION OIL COOLERS
d.
e.

(47-15-11 (10/83)

REF- 13

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID AND HAZARDOUS WASTE

INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

PRIORITY CODE: 2a SITE CODE: 915024

NAME OF SITE: Fedders Auto Components REGION: 9

STREET ADDRESS: 57 Tonawanda St.

TOWN/CITY: Buffalo COUNTY: Erie

NAME OF CURRENT OWNER OF SITE: Fedders Auto Components

ADDRESS OF CURRENT OWNER OF SITE: 57 Tonawanda St., Buffalo, NY 14207

TYPE OF SITE: OPEN DUMP [X] STRUCTURE [ ] LAGOON [ ]
LANDFILL [ ] TREATMENT POND [ ]

ESTIMATED SIZE: 2 ACRES

SITE DESCRIPTION:

Site received approximately 165 gallons per year of waste oils for 3 years. Waste oils consisted of hydraulic fluids and light lubrication oils and were spread over the parking lot for dust control. According to the company, transformer oils were not placed on the parking lot.

HAZARDOUS WASTE DISPOSED: CONFIRMED [X] SUSPECTED [ ]

TYPE AND QUANTITY OF HAZARDOUS WASTES DISPOSED:

TYPE	QUANTITY (POUNDS, DRUMS, TONS, GALLONS)
Waste oils (suspected to contain PCBs)	165 gallons/year for 3 years.

TIME PERIOD SITE WAS USED FOR HAZARDOUS WASTE DISPOSAL:

Unknown, 19 74 TO _____, 19 76

OWNER(S) DURING PERIOD OF USE: Fedders Auto Components

SITE OPERATOR DURING PERIOD OF USE: Fedders Auto Components

ADDRESS OF SITE OPERATOR: 57 Tonawanda St., Buffalo, NY 14207

ANALYTICAL DATA AVAILABLE: AIR ☐ SURFACE WATER ☐ GROUNDWATER ☐
SOIL ☐ SEDIMENT ☐ NONE ☒

CONTRAVENTION OF STANDARDS: GROUNDWATER ☐ DRINKING WATER ☐
SURFACE WATER ☐ AIR ☐

SOIL TYPE: Urban soil/silty clay with some sand

DEPTH TO GROUNDWATER TABLE: Unknown

LEGAL ACTION: TYPE: None STATE ☐ FEDERAL ☐
STATUS: IN PROGRESS ☐ COMPLETED ☐
REMEDIAL ACTION: PROPOSED ☐ UNDER DESIGN ☐
IN PROGRESS ☐ COMPLETED ☐

NATURE OF ACTION: None

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Presently, there is no analytical data on the site. Since the site is located adjacent to Scajaquada Creek, collection and analysis of soil samples for PCB's is recommended. As part of NYSDEC Phase I Superfund investigation, Engineering-Science/Dames & Moore performed a site inspection in March, 1985.

ASSESSMENT OF HEALTH PROBLEMS:

[illegible] INFORMATION:

PERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NAME Peter Buechi
TITLE Assoc. Sanitary Engr.
NAME Ahmad Tayyebi
TITLE Asst. Sanitary Engr.
DATE: 11/9/83

NEW YORK STATE DEPARTMENT OF HEALTH

NAME R. Tramontano
TITLE Bur. Tox. Subst. Assess.
NAME
TITLE
DATE: 5/13/85

REF-14

ANDERSON DRILLING COMPANY
4310 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-[illegible]

SITE INVESTIGATION REPORT
O-CEL-O STORAGE POND PROJECT
305 SAWYER AVENUE
TONAWANDA, NEW YORK

FOR

GENERAL MILLS, INC.

TONAWANDA, NEW YORK

SEPTEMBER, 1974

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT O-Cel-O Storage Pond Project
LOCATION 305 Sawyer Avenue Tonawanda, N.Y.

DATE STARTED 8/29/74 DATE FINISHED 8/29/74 HOLE NO. B-1 SURF. ELEV

METHOD OF INVESTIGATION ASTM Drilled in casing

DEPTH-FT	SAMPLES	SAMPLE NO.	BLOWS ON SAMPLER 0"/6"	6"/12"	12"/18"	N	RECOVERY OF SAMPLE	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
		1	5	7	8	15		Dark brown organic sandy SILT, little clay	No water encountered
		2	8	10	16	26		Damp grey brown hard silty CLAY w/traces of scattered embedded fine gravel	
5		3	5	12	23	35			
10		4	9	14	20	34		Boring Complete @10.5'	

N = No. blows to drive 2 " spoon 12 " with 140 lb pin wt. falling 30 " per blow.

SHEET 1 OF 1

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT O-Cel-O Storage Pond Project

LOCATION 305 Sawyer Avenue Tonawanda, New York

DATE STARTED 8/29/74 DATE FINISHED 8/29/74

HOLE NO. B-2 SURF. ELEV.

METHOD OF INVESTIGATION ASTM Drilled in casing

DEPTH	SAMPLE	BLOWS ON SAMPLER 0" / 6"	6" / 12"	12" / 18"	N	CORE RECOVERY	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
	1	3	6	11	17		No Topsoil Moist brown firm SILT & CLAY, trace of fine sand & roots	No water encountered
	2	10	14	15	29		Damp brown stiff to hard silty CLAY w/trace of embedded fine gravel	
5	3	13	23	27	50			
	4	10	20	26	46			
10							Boring Complete @10.5'	

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.

SHEET 1 OF 1

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT O-Cel-O Storage Pond Project

LOCATION 305 Sawyer Avenue Tonawanda, New York

DATE STARTED 8/29/74 DATE FINISHED 8/29/74

HOLE NO. B-3

SURF. ELEV.

METHOD OF INVESTIGATION ASTM Drilled in casing

DEPTH-FT	SAMPLES	SAMPLE #	BLOWS ON SAMPLER 0"/6"	6"/12"	12"/18"	18"/24"	RECOVERY	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
								0.4' TOPSOIL	No water encountered
		1	6	10	12	22		Damp brown stiff to hard silty CLAY w/ scattered embedded fine gravel	
		2	10	12	16	28			
5		3	8	13	16	29			
		4	13	20	22	42			
10								Boring Complete @10.5'	

N = No blows to drive 2 "spoon 12 "with 140 lb pin wt falling 30 "per blow.

SHEET 1 OF 1

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT O-Cel-O Storage Pond Porject

LOCATION 305 Sawyer Avenue Tonawanda, New York

DATE STARTED 8/29/74 DATE FINISHED 8/29/74

HOLE NO B-4

SURF ELEV

METHOD OF INVESTIGATION ASTM Drilled in casing

DEPTH IN FT.	SAMPLES	SAMPLE NO.	BLOWS ON SAMPLER 0"/6"	6"/12"	12"/18"	18"/24"	PENETRATION RESISTANCE	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
								0.5' TOPSOIL	
		1	3	5	7	12		Moist brown medium SILT & CLAY, traces of fine sand in lenses & roots	No water encountered. Filled water at conclusion of drilling with no percolation.
		2	8	10	14	24			
5		3	12	24	30	54		Damp brown stiff to hard silty CLAY w/ scattered embedded pebbles	
10		4	9	15	21	36			
								Boring Complete @ 10.5'	

N = No blows to drive 2" spoon 12" with 140 lb pin wt falling 30" per blow

C = No blows to drive ____" casing ____" with ____ lb weight falling ____" per blow

SHEET 1 OF 1

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT O-Cel-O Storage Pond Project
LOCATION 305 Sawyer Avenue Tonawanda, New York

DATE STARTED 8/29/74
DATE FINISHED 8/29/74
HOLE NO B-5
SURF ELEV
METHOD OF INVESTIGATION ASTM Drilled in casing

DEPTH FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOWS ON CASING	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
								NO TOPSOIL	
		1	3	4		7		Grey brown medium SILT & CLAY	
			6	13		19			
		2	9	20		29		Grey brown hard silty CLAY with embedded pebbles, occasional lenses of fine sand & silt	No water encountered. Filled hole with water at conclusion of drilling. Water dropped 0.3' after 4 hours.
			32	26		58			
5		3	8	25	29	54			
10		4	10	25	31	56			
15		5	9	12	16	28			
								Moist brown medium silty CLAY, trace of embedded fine gravel	
20		6	3	5	8	13			
25		7	4	5	6	11			
30		8	5	9	6	15			
								Boring Complete @30.5'	

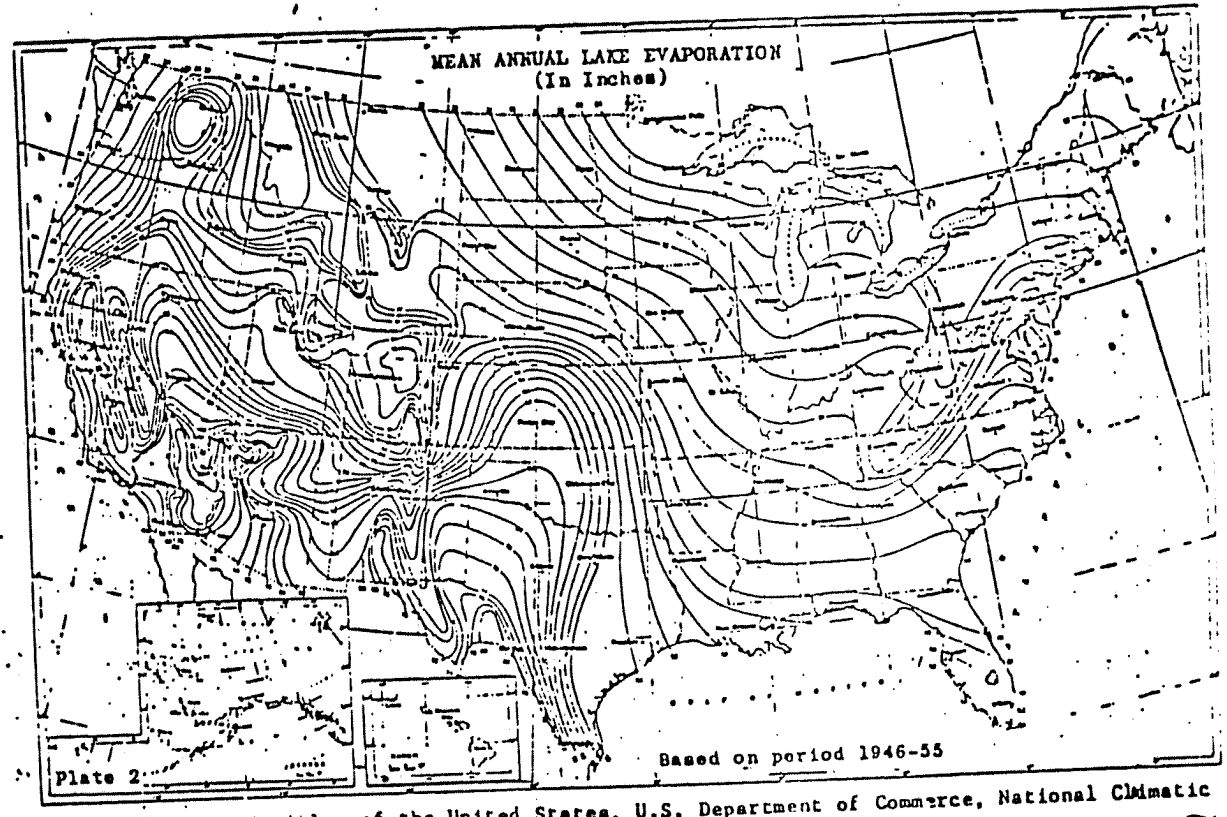
N = No. blows to drive 2 "spoon 12 "with 140 lb. wt. falling 30 "per blow.

SHEET 1 OF 1

REF-15

US CENSUS DATA, 1980

US Census Data used in the HRS scoring was obtained from various County Planning Offices. This data was not obtained from a report. The raw census data combined with County Planning Maps was used to estimate the population within 1, 2, 3, and 4 miles of the Phase I site being investigated. Because of the voluminous amount of data used, the data is not provided in this Appendix.

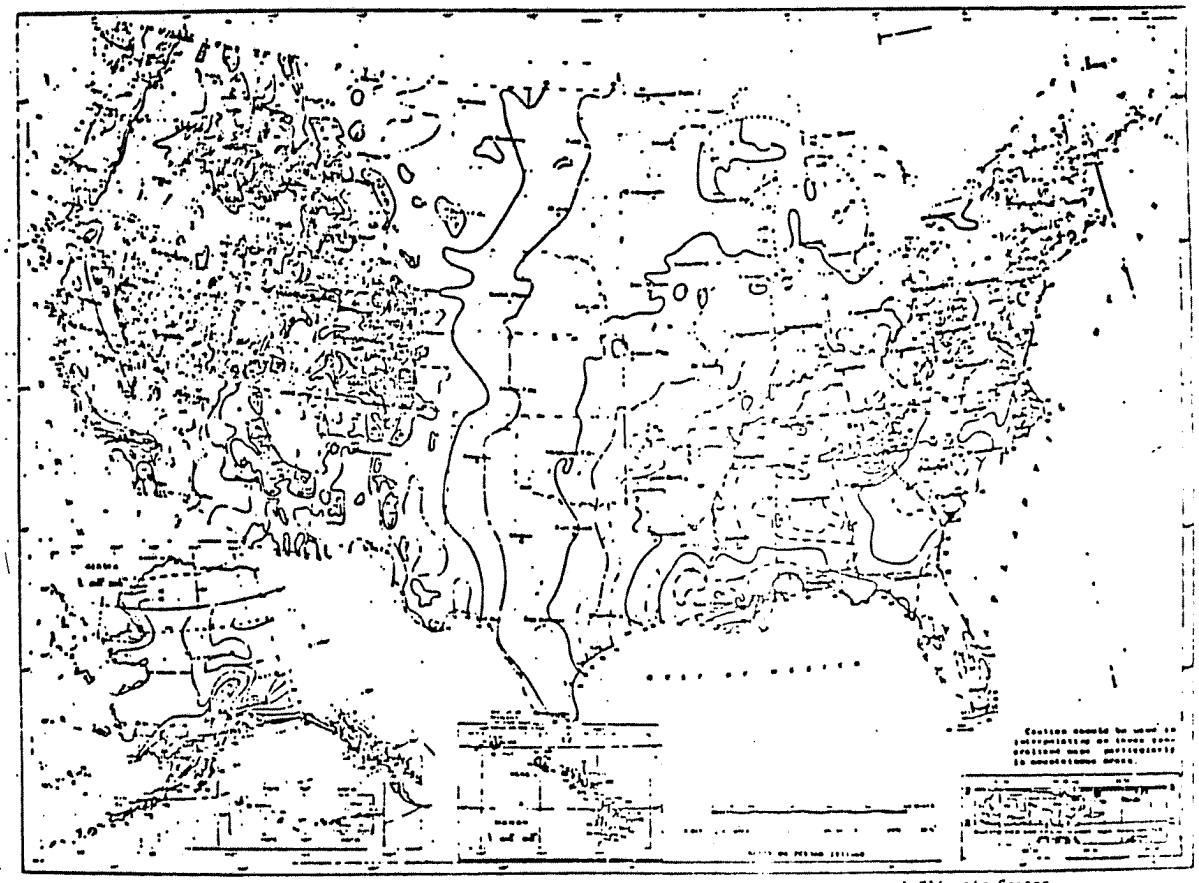


Source: Climatic Atlas of the United States, U.S. Department of Commerce, National Climatic Center, Ashville, N.C., 1979.

Figure 4

Mean Annual Lake Evaporation

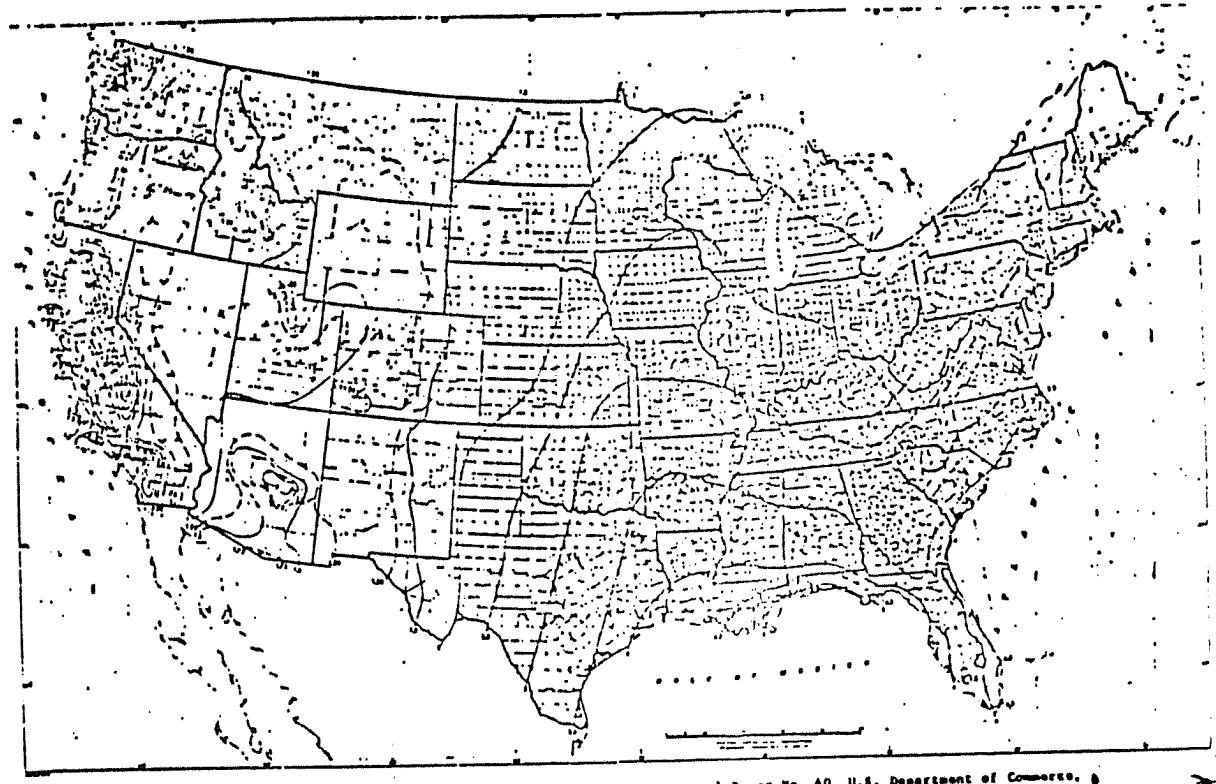
REF-16



Source: Climatic Atlas of the United States, U.S. Department of Commerce, National Climatic Center, Asheville, N.C., 1979.

Figure 5

Normal Annual Total Precipitation (Inches)



Source: Rainfall Frequency Atlas of the United States, Technical Paper No. 40, U.S. Department of Commerce, U.S. Government Printing Office, Washington, D.C., 1963.

Figure 8

1-Year 24-Hour Rainfall (Inches)

REF-17

Site # 81-2T A + B DEC 12 1985 Date Sept. 10, 1981 REF-18

Location- Tonawanda, 300 ft. East of Niagara R., 700 ft. W. of N.Y.S. Thruway, 1000 ft. S. of intersection w/ Routes 266 and 325

Well Sample Remarks	Strat.	Geologic Description
1.6' rec.		Fill, sandy gravel w/some silt. Clasts consist of pebbles, charcoal and flyash. Black color due to oil stain and charcoal, loose, dry.
1.2' rec.		Sand, dark gray (grayish color probably due to oil staining), v.f.s., well sorted, rare pebble, moist. (Lake deposit)
1.0' rec. 2.0 ft screened 16.5-18.5'		Sand, vfs-fs, dark gray, trace silt, well sorted, saturated, oily stains.
1.2' rec.		Sand with 3" silt layer, v.f.s.-f.s., olive gray, well sorted. Silt, black - (black color probably due to retention or absorption of oil to the silt)
2.0' rec.		Sand, olive gray, v.f.s-f.s., good sorting
1.3' rec.		Same as above.
1.8' rec.		Till, reddish brown, silt w/trace clay matrix, semi-compact w/black and olive gray f.-m. pebble clasts. Silt ≈ 90%, pebbles ≈ 10%.
		Same as above.

Site # 81-2T A & B

Date Sept. 10, 1981

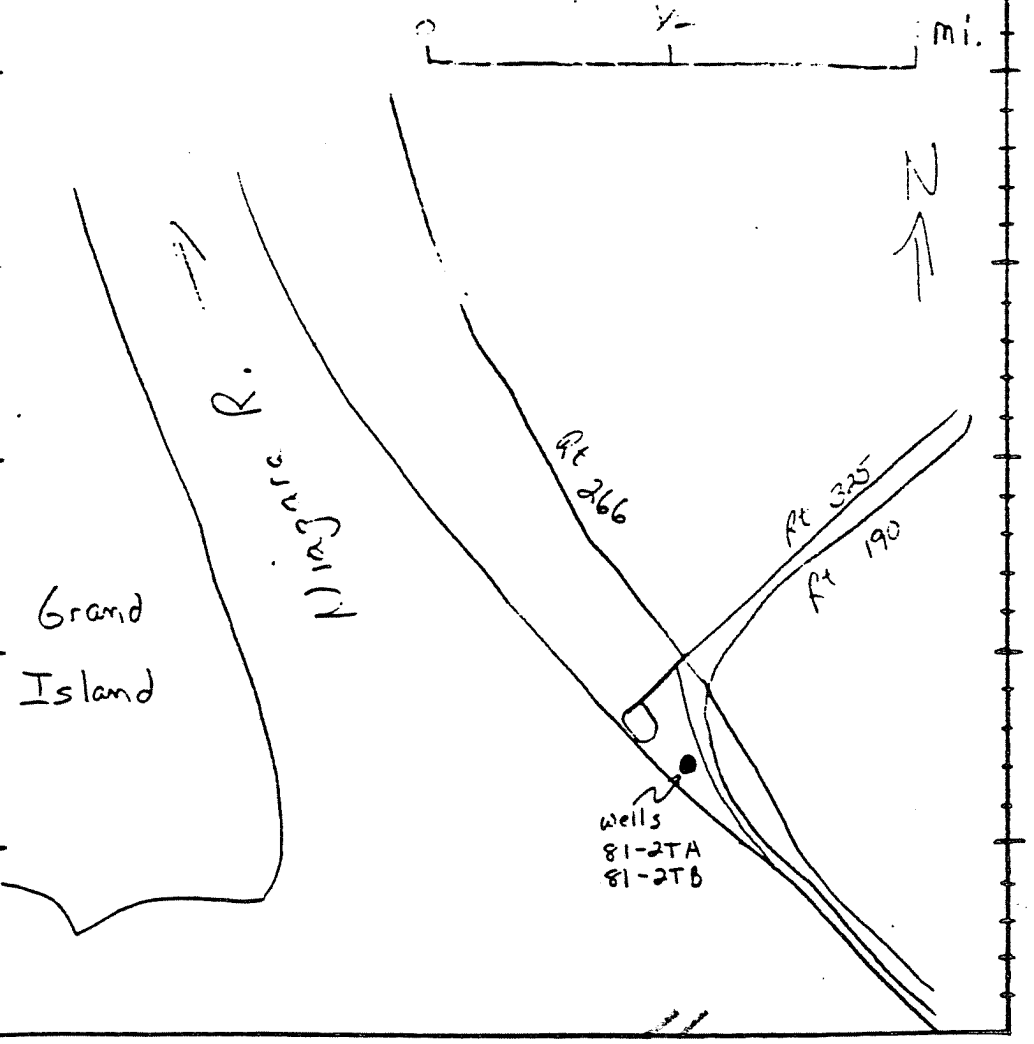
Location-

Well	Sample	Remarks	Strat.	Geologic Description
45	Bent	2.0' rec.		Till, reddish brown, silt matrix, few small pebbles Bottom 1.0' much more stonier and compact
				Driller reports approx. 1.0' of sand on top of BR
50		1.0 ft of 10 slot pvc screen		Bedrock at 49.0 ft.

Installed 2 wells

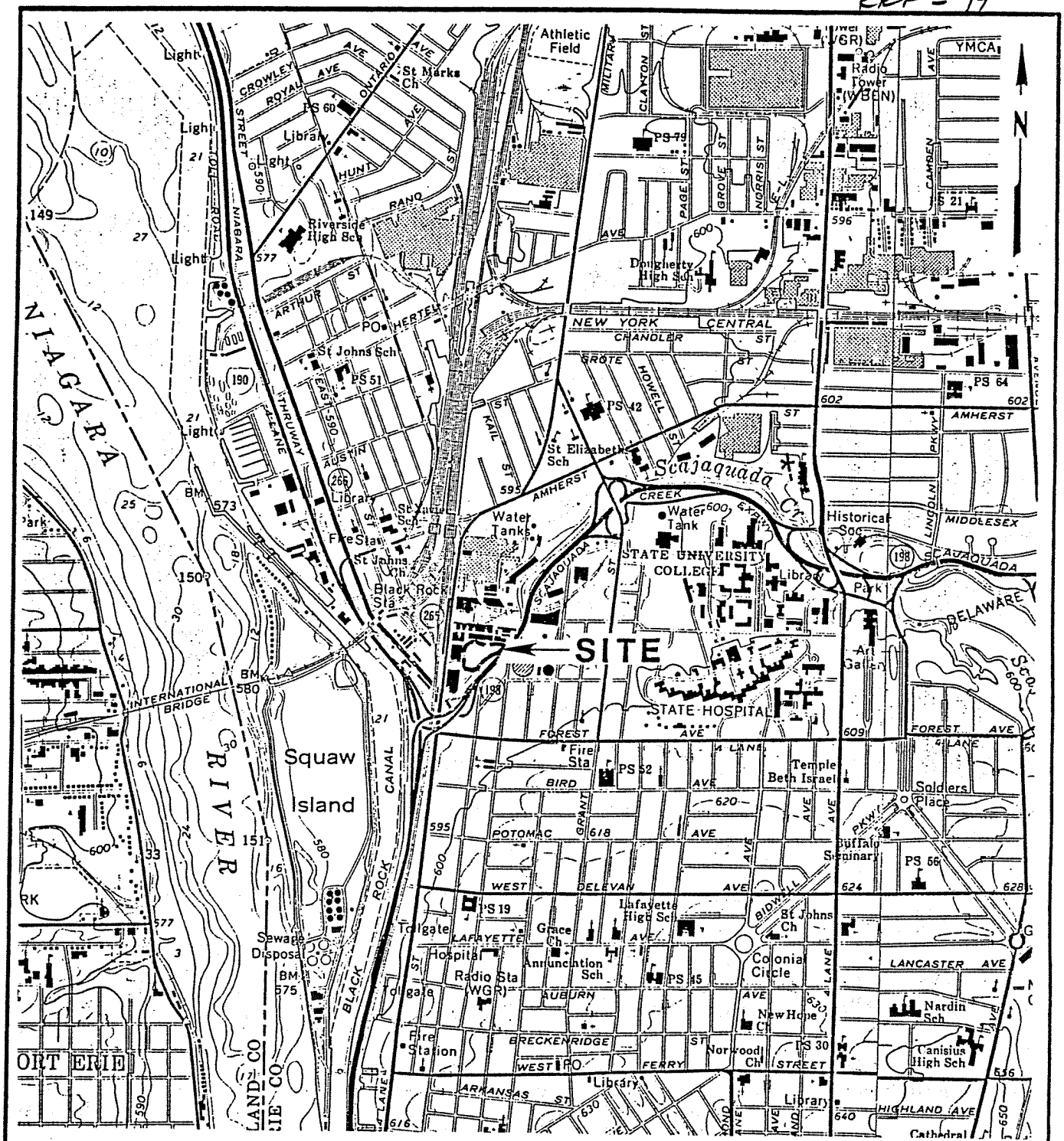
1. 2" PVC casing (Well 81-2T A)
   1 ft length of 10 slot PVC screen set at 49-50 ft
   Poured bentonite pellets at approximately 46-48 ft.
   3.1 ft pipe above ground.

2. 2" PVC casing (Well 81-2T B)
   2 ft length of 210 micron mesh screen set at 16.5-18.5 ft.
   3.5 ft pipe above ground.



Sheet # ___ of ___

REF - 19



LATITUDE: 42°55'52"
LONGITUDE: 78°53'41"

SCALE
0 1000 2000 3000 4000 FEET

REFERENCE: U.S.G.S. 7.5' Topographic Map
Buffalo NE, NY (1965) and Buffalo NW,
NY-ONT. (1965) Quadrangles

ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

SITE LOCATION MAP
FEDDERS AUTO COMPONENTS

FIGURE I-1

REF-20

INTERVIEW FORM

INTERVIEWEE/CODE Mr Frank ~~Mc~~ Cottan Waclawski

TITLE - POSITION Electrician / Volland Electric Equipment Corp.

ADDRESS 1511 Niagara Street

CITY Buffalo STATE NY ZIP 14202

PHONE (716) 884-2713 RESIDENCE PERIOD _____ TO _____

LOCATION Telephone Interview INTERVIEWER S. Robert STEELE, II

DATE/TIME 4/12/85 / 10:00 AM

SUBJECT: Service of Transformers for Fedders Automotive Components Co.

REMARKS: In the past, Volland Electric has provided service of the transformers at the Fedders Automotive Components plant located in Buffalo. The service provided includes filtering of transformer fluids, changing the fluid as needed and topping off the fluid level. Generally, changed oils are collected and transported off-site for disposal by Volland. To your best recollection, Volland has not conducted transformer oil changes in the last several years. Presently, transformer oils are tested during servicing for PCB's.

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE: Frank Waclawski

COMMENTS:

APPENDIX B

PROPOSED UPDATED NYS REGISTRY SHEET

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

CLASSIFICATION CODE: 2a REGION: 9 SITE CODE: 915024

NAME OF SITE : Fedders Auto Components
STREET ADDRESS: 57 Tonawanda Street

TOWN/CITY:	COUNTY:	ZIP:
Buffalo	Erie	14207

SITE TYPE: Open Dump-X Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 2 < Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Fedders Auto Components
CURRENT OWNER ADDRESS.: 57 Tonawanda Street, Buffalo, NY 14207
OWNER(S) DURING USE...: Fedders Auto Components
OPERATOR DURING USE...: Fedders Auto Components
OPERATOR ADDRESS.....: 57 Tonawanda St., Buffalom, NY 14207
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1974 To 1976

SITE DESCRIPTION:
Site received approximately 165 gallons per year of waste oils for 3 years. Waste oils consisted of hydraulic fluids and light lubrication oils and were spread over the parking lot for dust control. According to the company, transformer oils were not placed on the parking lot.

HAZARDOUS WASTE DISPOSED: Confirmed-X Suspected -

TYPE	QUANTITY (units)
Waste oils	165 gallons/year for 3 years
(Suspected to contain PCB's)	

SITE CODE: 915024

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater- Soil- Sediment- None- X

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air- Unknown

LEGAL ACTION:

TYPE..: None X State- Federal-
STATUS: In Progress- Completed-

REMEDIAL ACTION:

Proposed- Under Design- In Progress- Completed-
NATURE OF ACTION: None

GEOTECHNICAL INFORMATION:
SOIL TYPE: Silty clay with some sand
GROUNDWATER DEPTH: Unknown

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Presently, there is no analytical data on the site. Since the site is located adjacent to Scajaquada Creek, collection and analysis of soil samples for PCB's is recommended. As part of NYSDEC Phase I Superfund investigation, Engineering-Science/Dames & Moore performed a site inspection in March 1985.

ASSESSMENT OF HEALTH PROBLEMS:

Insufficient information

PERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NAME.: Peter Buechi
TITLE: Assoc. Sanitary Engineer

NAME.: Ahmad Tayyebi
TITLE: Asst. Sanitary Engineer

DATE.: 01/24/85

NEW YORK STATE DEPARTMENT OF HEALTH

NAME.: R. Tramontano
TITLE: Bur. Tox. Subst. Assess.

NAME.:
TITLE:

DATE.: 01/24/85