Report. HW862009. 11.18.1987
Preliminary Site Assessment

Region 8

02-8710-103-PA
REV. NO. 0

PRELIMINARY ASSESSMENT
NYSEG PENN YAN GAS PLANT
PENN YAN, NEW YORK

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-8710-103
CONTRACT NO. 68-01-7346

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

MARCH 11, 1988

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY:

Peter S. Morton

PETER S. MORTON
PROJECT MANAGER

REVIEWED/APPROVED BY:

Ronald M. Naman

RONALD M. NAMAN
FIT OFFICE MANAGER

NUS CORPORATION

POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

02-8710-103-PA
Rev. No. 0

NYSEG Penn Yan Gas Plant **Site Name**	NYD980531313 **EPA Site ID Number**
Water St., Penn Yan, New York **Address**	02-8710-103 **TDD Number**

Date of Site Visit: 11/18/87

SITE DESCRIPTION

Penn Yan is located in a rural area of Yates County in central New York at the northern end of Keuka Lake. The NYSEG Penn Yan Gas Plant covered approximately 0.5 acre on the northern bank of the Keuka Lake outlet. The Penn Yan Gas Light Company acquired the property in 1899, and gas production began shortly thereafter. In 1926, Penn Yan Gas Light Company was purchased by New York Central Electric Company, and in 1937, New York Central Electric Company merged with the New York State Electric and Gas Corporation (NYSEG). Production of gas ended in early 1930. On August 16, 1943, NYSEG sold the property to Penn Yan Wine Cellars, Inc. The property is currently owned by Lake Country Ford, Inc.

During operations coke fires were used to burn 30 to 50 tons of coal per week. Cooling wastewater was discharged into the Keuka Lake outlet. After the coke was cooled, it was stored in a waste pile outside the gas works building. Piles of coal, ash, and wood chips were also stored on site.

The gas works building, a gas holder foundation, and a tar storage vessel are the only visible remains of the coal gasification operation.

PRIORITY FOR FURTHER ACTION: High __ Medium __ NFRAP X

RECOMMENDATIONS

Coal gasification sites commonly have heavy metals, cyanides, phenolics, polynuclear aromatics, and volatile compounds associated with waste disposal on site. However, no further action is recommended because of the lack of targets within 3 miles of the site. Keuka Lake, which supplies the Penn Yan municipal water, is upgradient from the site, and nobody uses groundwater within a 3-mile radius of the site. The New York State Department of Environmental Conservation (NYSDEC) is currently supervising RI/FS work at the site.

Prepared by: Peter Morton
of NUS Corporation

Date: 03/11/88

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D980531313

II. SITE NAME AND LOCATION

01 SITE NAME *(Legal, common, or descriptive name of site)*	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
NYSEG Penn Yan Gas Plant Site	Water Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Penn Yan	NY	14527	Yates	123	34

09 COORDINATES

LATTITUDE	LONGITUDE
42°39'40". N	077°03'00". W

10 DIRECTIONS TO SITE *(Starting from nearest public road)*

From the north, take Rte. 14A south into town, to left on Water St., site on right

III. RESPONSIBLE PARTIES

01 OWNER *(if known)*	02 STREET *(Business, mailing, residential)*
New York State Electric and Gas	4500 Vestal Parkway East

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
Binghamton	NY	13902	(607) 729-2551	

07 OPERATOR *(if known and different from owner)*	08 STREET *(Business, mailing, residential)*
NYSEG - Penn Yan Gas Plant	Water Street

09 CITY	04 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
Penn Yan	NY	14527	N/A	

13. TYPE OF OWNERSHIP *(Check one)*

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

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

14 TYPE OF OWNERSHIP *(Check all that apply)*

_ A. RCRA 3001 DATE RECEIVED: _____ x B. UNCONTROLLED WASTE SITE *(CERCLA 103c)* DATE RECEIVED: 06/09/81 _C. NONE
MONTH DAY YEAR MONTH DAY YEAR

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01. ON SITE INSPECTION 8Y *(Check all that apply)*

_ YES DATE: _____ _ A. EPA _ B. EPA CONTRACTOR _ C. STATE _ D. OTHER CONTRACTOR
MONTH DAY YEAR _ E. LOCAL HEALTH OFFICIAL _ F. OTHER: _____
(Specify)

x NO

CONTRACTOR NAME(S): _____

02 SITE STATUS *(Check one)*	03 YEARS OF OPERATION
_ A. ACTIVE x B. INACTIVE _ C. UNKNOWN	1899 / 1947 _ UNKNOWN BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Wastes commonly found at coal gasification sites include heavy metals, cyanides, phenolics, polynuclear aromatics, and volatile compounds.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION (See attachment A)

Potential hazard to the environment and/or population is little or none. The municipal water supply for Penn Yan is drawn from Keuka Lake, located upgradient from the 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)* x C. NFRAP *(No further remedial planned action)*

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF *(Agency/Organization)*	08 TELEPHONE NUMBER
Amy Brochu	U.S. EPA Region 2, Edison, NJ	(201) 906-6812

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Peter Morton	EPA	NUS Corp., Reg. 2	(201) 225-6160	[illegible]

ATTACHMENT A

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

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

There are no private wells within 3 miles of the site, nor is there farmland irrigation in this area. Potential hazard to the environment and/or population is little or none.

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	D980531313

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES *(Check all that apply)*

x 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: Unknown
CUBIC YARDS: ______
NO. OF DRUMS: ______

03 WASTE CHARACTERISTICS *(Check all that apply)*

x A. TOXIC
_ B. CORROSIVE
_ C. RADIOACTIVE
x D. PERSISTENT
_ E. SOLUBLE
_ F. INFECTIOUS
_ G. FLAMMABLE
_ H. IGNITABLE
_ I. HIGHLY VOLATILE
_ J. EXPLOSIVE
_ K. REACTIVE
_ L. INCOMPATIBLE
_ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			Coal tar was disposed of on site from 1899
OLW	OILY WASTE			to 1947.
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
	Unknown				

V. FEEDSTOCKS *(See Appendix for CAS Numbers)*

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Not applicable		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

U.S. EPA Notification of Hazardous Waste Site Form 103(c), June 9, 1981

Anastos, G.J. et al., Town gas plants - history, problems, and approaches to study, [illegible] the 7th National Conference on management of Uncontrolled Hazardous Waste Sites, Washington, D.C. December 1-3, 1986

Telecon Note: Conversation between Peter Morton [illegible] Corp. and Lester Travis [illegible] dated [illegible] 12/87

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: 0980531313

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 x A. GROUNDWATER CONTAMINATION — 02 _ OBSERVED (DATE: _____) — x POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

If hazardous substances are present, potential exists for groundwater contamination. Groundwater is not used within 3 miles of the site, however

01 x B. SURFACE WATER CONTAMINATION — 02 _ OBSERVED (DATE: _____) — x POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION

If hazardous substances are present, potential exists for contamination of the Keuka Lake outlet. There are no intakes within the stream, however. Keuka Lake, which supplies the Penn Yan municipal water, is upgradient from the site.

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

There is no potential for air contamination. The gas plant has not been active since 1947.

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

No potential for fire/explosion exists. None of the gas plant facilities, apart from the building, are present.

01 x E. DIRECT CONTACT — 02 _ OBSERVED (DATE: _____) — x POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Approx. 735 — 04 NARRATIVE DESCRIPTION

There is potential for exposure through direct contact if any hazardous substances were disposed of and are still present. The facility is presently owned by a Ford dealership. Approximately 735 people live within 1 mile of the site.

01 x F. CONTAMINATION OF SOIL — 02 _ OBSERVED (DATE: _____) — x POTENTIAL _ ALLEGED
03 AREA POTENTIALLY AFFECTED: 1 (Acres) — 04 NARRATIVE DESCRIPTION

If the coal tars disposed of here contained hazardous substances, some of the hazardous material is still potentially present in the soils.

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

No potential for drinking water contamination exists. The municipal water from Penn Yan is taken from Keuka Lake, which is upgradient from the site

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

There are presently no workers on site on a regular basis.

01 x I. POPULATION EXPOSURE/INJURY — 02 _ OBSERVED (DATE: _____) — x POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Approx. 735 — 04 NARRATIVE DESCRIPTION

The property is not fenced. The only potential for population exposure/injury is through direct contact. Approximately 735 people live within 1 mile of the site.

EPA POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: D980531313

II. HAZARDOUS CONDITIONS AND INCIDENTS *(CONTINUED)*

01 x J. DAMAGE TO FLORA — 02 _ OBSERVED (DATE: _____) x POTENTIAL _ ALLEGED

04 NARRATIVE DESCRIPTION

No damage to flora was observed during the off-site reconnaissance on 11-18-87. If any hazardous substances are present in the soils, however, potential exists for plants to take up these contaminants.

01 x K. DAMAGE TO FAUNA — 02 _ OBSERVED (DATE: _____) x POTENTIAL _ ALLEGED

04 NARRATIVE DESCRIPTION *(Include name(s) of species)*

No damage to fauna was noted during the site reconnaissance on 11-18-87. However, if plants have taken up contaminants, potential exists for animals to ingest contaminated plants.

01 x L. CONTAMINATION OF FOOD CHAIN — 02 _ OBSERVED (DATE: _____) x POTENTIAL _ ALLEGED

04 NARRATIVE DESCRIPTION

If hazardous substances are present, aquatic life in the Keuka Lake Outlet is potentially affected.

01 x **M.** UNSTABLE CONTAINMENT OF WASTES *(Spills, Runoff, Standing liquids, Leaking drums)* — 02 _ OBSERVED (DATE: _____) x POTENTIAL _ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

It is unknown how the coal tars were disposed of.

01 _ N. DAMAGE TO OFFSITE PROPERTY — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED

04 NARRATIVE DESCRIPTION

No damage to off-site property was noted during the reconnaissance on 11-18-87. Drinking water is not potentially affected. There is little or no potential for damage to off-site property.

01 x O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 _ OBSERVED (DATE: _____) x POTENTIAL _ ALLEGED

04 NARRATIVE DESCRIPTION

If hazardous substances are present, potential exists for the Penn Yan sewer system to be contaminated.

01 _ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED

04 NARRATIVE DESCRIPTION

There were no regulations concerning waste disposal in the years the gas plant was in operation.

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

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: Approx. 735

IV. COMMENTS

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

NUS Corp. FIT 2 off-site reconnaissance conducted on 11/18/87.

Telecon Note - Conversation between Peter Morton of NUS Corp. and Lester [illegible] Co. Soil-Water Cons. Service dated 11-12-87

CONFORMS W[illegible]

APPENDIX A

MAPS AND PHOTOGRAPHS

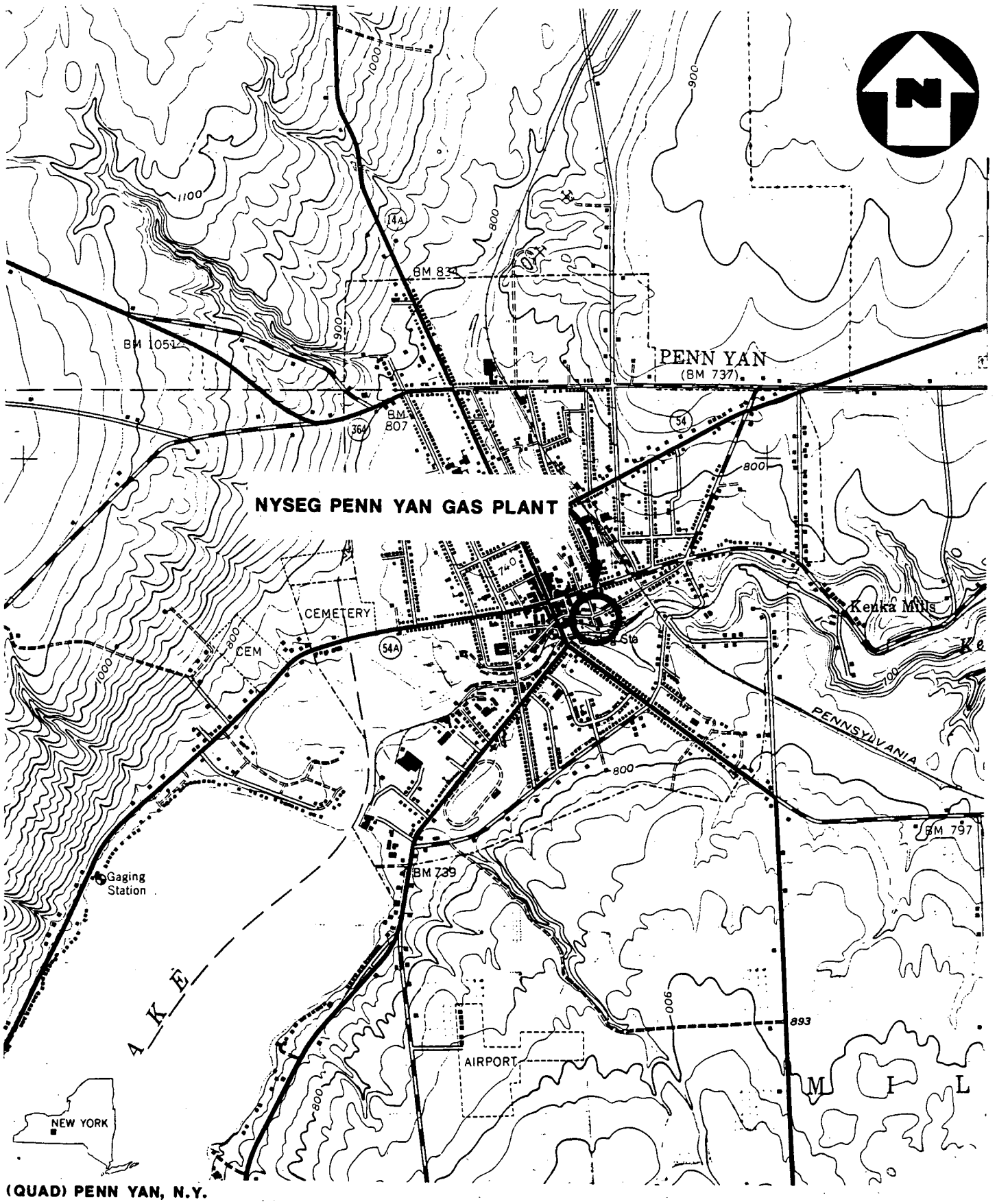


FIGURE 1

SITE LOCATION MAP

NYSEG PENN YAN GAS PLANT, PENN YAN, N.Y.

SCALE: 1"= 2000'

NUS CORPORATION

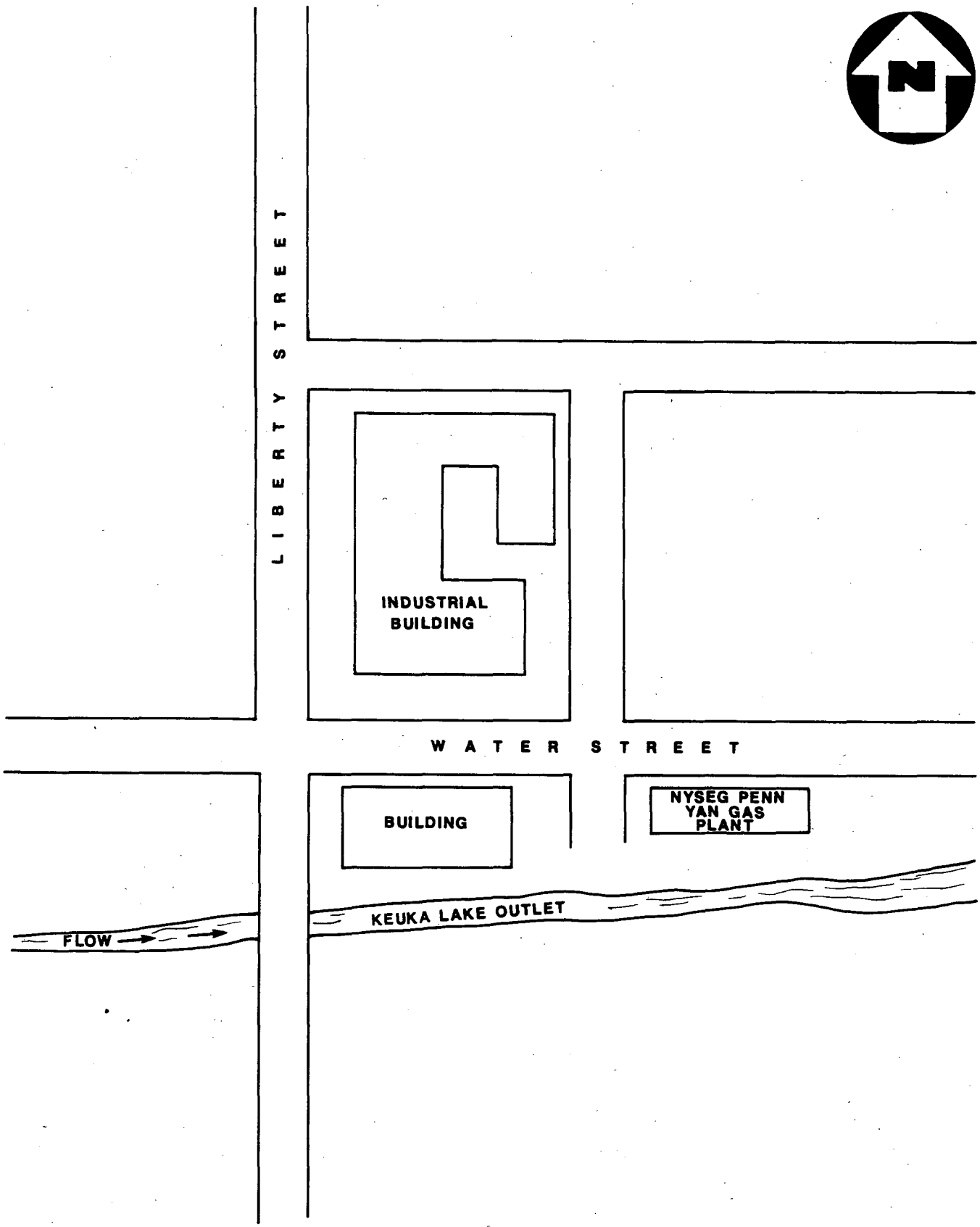


FIGURE 2

SITE MAP
NYSEG PENN YAN GAS PLANT,
PENN YAN, N.Y.

(NOT TO SCALE)

NUS CORPORATION

NYSEG PENN YAN GAS PLANT
PENN YAN, NEW YORK
TDD NO. 02-8710-103
NOVEMBER 18, 1987

PHOTOGRAPH LOG

NYSEG PENN YAN GAS PLANT
PENN YAN, NEW YORK
TDD NO. 02-8710-103
NOVEMBER 18, 1987

PHOTOGRAPH TAKEN BY PETER MORTON

Photo Number	Description	Time
1P-9	View looking south from Water Street at old Penn Yan Gas Plant facility.	1153

NYSEG PENN YAN GAS PLANT, PENN YAN, NEW YORK

1P-9 November 18, 1987 1153
View looking south from Water Street at old Penn Yan Gas Plant facility.

APPENDIX B

BACKGROUND INFORMATION

PRELIMINARY ASSESSMENT
OFF SITE RECONNAISSANCE
INFORMATION REPORTING FORM

Date: Nov. 18, 1987

Site Name: NYSEG Penn Yan Gas Plant TDD: 02-8710-103

Site Address: Water Street
Street, Box, etc.

Penn Yan
Town

Yates
County

New York
State

NUS Personnel:

Name	Discipline
Pete Morton	Geologist
Tom Varner	Chem Eng.

Weather Conditions (clear, cloudy, rain, snow, etc.):

Overcast

Estimated wind direction and wind speed: 10 mph, North

Estimated temperature: 50°F

Signature: Tom Varner Date: 11/18/87

Countersigned: P Morton Date: 11/19/87

PRELIMINARY ASSESSMENT

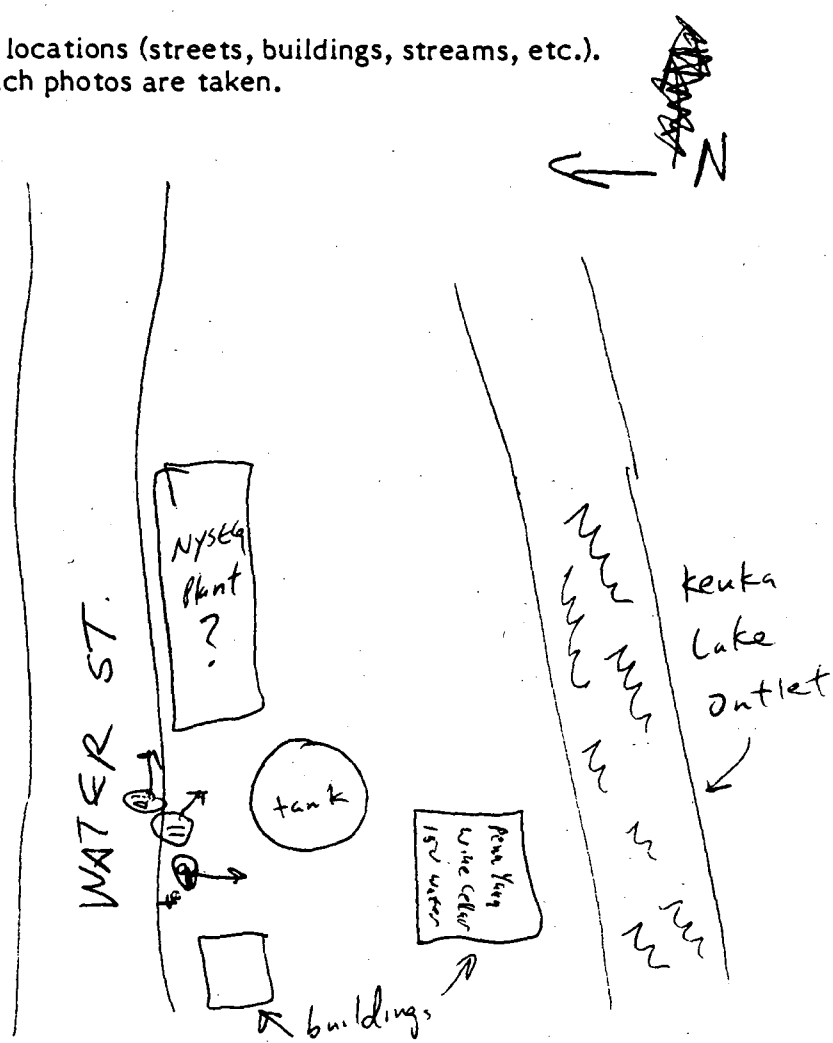
INFORMATION REPORTING FORM

Date: Nov. 18, 1987

Site Name: NYSEG Penn Yan Gas Plant TDD: 02-8710-103

Site Sketch:

Indicate relative landmark locations (streets, buildings, streams, etc.). Provide locations from which photos are taken.



Signature: Tom Vayer Date: 11/18/87

Countersigned: [signature] Date: 11/19/87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: Nov. 18, 1987
NYSEG Pannyan

Site Name: Gas Plant TDD: 02-8710-103

Notes (Periodically indicate time of entries in military time):

Several buildings in the area. Two side on bank of Keuka lake outlet; it is not obvious which building is the NYSEG plant.

Signature: Tom Vanner Date: 11/18/87

Countersignature: [illegible] Date: 11/19/87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: Nov. 18, 1987

NYSEG Penn Yan

Site Name: Gas Plant TDD: 02-8710-103

Notes (Cont'd):

Attach additional sheets if necessary. Provide site name, TDD number, signature, and countersignature on each.

Signature: Tom Vanney Date: 11/18/87

Countersignature: [illegible] Date: 11/19/87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: Nov. 18, 1987

Site Name: NYSEG Penn Yan Gas Plant TDD: 02-8710-103

Photolog:

Frame/Photo Number	Date	Time	Photographer	Description
18-9	11/18/87	1153	P. Morton	Facing south, towards lake outlet
18-10	11/18/87	1155	P. Morton	looking southeast at tank and building
18-11	11/18/87	1157	P. Morton	Facing east, looking at building

Attach additional sheets if necessary. Provide site name, TDD number, signature, and countersignature on each.

Signature: Tom Varner Date: 11/18/87

Countersignature: P. Morton Date: 11/19/87

0007-C
02-8710-103

NUS CORPORATION AND SUBSIDIARIES — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
02-8710-103	11/10/87	1330

DISTRIBUTION:

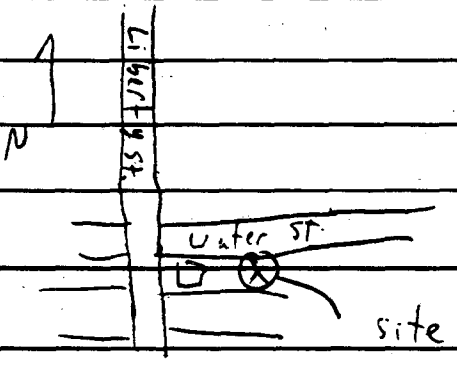
File
- NPS Penn Yan Gas Plant

BETWEEN:	OF:	PHONE:
Pat Condella	local real estate angling who knows local history	(315) 536-9221

AND:
Pete Morton

DISCUSSION:

Mr. Eugene Carpenter, Penn Yan assessor, told me that Mr. Condella might be able to locate site for us. Mr. Condella said that the property is on the corner of Water St. and Liberty St. It was purchased by the Garrett Winery, who sold it to Seneca Foods, who sold it to the Penn Yann Winery, who sold it to Lake County Ford approx. one month ago.



ACTION ITEMS:

NUS 067 REVISED 0685

0013-C

NUS CORPORATION AND SUBSIDIARIES — **TELECON NOTE**

CONTROL NO:	DATE: 11/12/87	TIME: 0930

DISTRIBUTION: File - Yates County PA's
NYSG Penn Yan

BETWEEN: Lester Travis	OF: Yates Co Soil - water Cons. Service	PHONE: (315) 536-6233

ANO: Peter Morton - NUS

DISCUSSION:

Municipal water for Penn Yan, Keuka Park, and Dresden is all drawn from Keuka Lake. Mr Travis is not aware of any private wells in the area.

Irrigation in the area is limited to a few small (2-3-acre) strawberry farms near Dundee (NE 14A 2 mi. north of Dundee) none in the Penn Yan or Dresden area

There are storm sewers in Penn Yan + Dundee ~~+ Starkey~~ PM none in Starkey area.

In Dundee + Starkey, municipal water comes from deep wells; he has no knowledge of the aquifer, these wells serve approx 1,500 people

ACTION ITEMS:

NUS 067 REVISED 0685

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies. 8/0609

NYS 000 001 162

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name: NYSEG
Street: 4500 Vestal Parkway East
City: Binghamton State: NY Zip Code: 13902

B Site Location:

Enter the common name (if known) and actual location of the site.

NYD 980531313

NYSEG-
Name of Site: Penn Yan Gas Plant Site
Street: Water Street
City: Penn Yan County: Yates State: NY Zip Code: 14527

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title): Johnson, Robert - Operating Superintendent
Phone: 315/789-5100

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year): 1899 To (Year): 1947

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste: Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

- 1. ☐ Organics
- 2. ☐ Inorganics
- 3. ☐ Solvents
- 4. ☐ Pesticides
- 5. ☐ Heavy metals
- 6. ☐ Acids
- 7. ☐ Bases
- 8. ☐ PCBs
- 9. ☐ Mixed Municipal Waste
- 10. ☐ Unknown
- 11. ☒ Other (Specify) (Coal Tar) 300

Source of Waste: Place an X in the appropriate boxes.

- 1. ☐ Mining
- 2. ☐ Construction
- 3. ☐ Textiles
- 4. ☐ Pertilizer
- 5. ☐ Paper/Printing
- 6. ☐ Leather Tanning
- 7. ☐ Iron/Steel Foundry
- 8. ☐ Chemical, General
- 9. ☐ Plating/Polishing
- 10. ☐ Military/Ammunition
- 11. ☐ Electrical Conductors
- 12. ☐ Transformers
- 13. ☒ Utility Companies
- 14. ☐ Sanitary/Refuse
- 15. ☐ Photofinish
- 16. ☐ Lab/Hospital
- 17. ☐ Unknown
- 18. ☐ Other (Specify)

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

Form Approved
OMB No. 2050-0028

Notification of Hazardous Waste Site — Side Two

Waste Quantity:

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☐ Landfill
4. ☐ Tanks
5. ☐ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☒ Other (Specify) ~~Unknown~~

Total Facility Waste Amount

cubic feet ~~Unknown~~

gallons

Total Facility Area

square feet ~~Unknown~~

acres

Known, Suspected or Likely Releases to the Environment:

Uncertain

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☐ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify, check "Other".

Name Robert B. MacKenzie

New York State Electric & Gas Corp.

Street 4500 Vestal Parkway East

City Binghamton State NY Zip Code 13902

Signature R.B. MacKenzie Date 6/9/81

☐ Owner, Present
☑ Owner, Past
☐ Transporter
☐ Operator, Present
☐ Operator, Past
☐ Other

NYSEG

April 6 , 1987

NYDEC - 87-59
File: EMG 1.20.29.1

Mr. Paul F. Schmied
Director of Environmental Quality
Engineering
New York State Department of
Environmental Conservation
6274 East Avon-Lima Road
Avon, NY 14414

Subject: Penn Yan Coal Gasification Site
Task 1 Report

Dear Mr. Schmied:

Enclosed is a Task 1 Report for the Penn Yan coal gasification site investigation. This preliminary site evaluation report contains a site description, plus information on the site history, environmental setting and a summary of available data.

Should you have any questions regarding this investigation, please contact Mr. James Marean of my staff at (607) 729-2551, extension 4305.

Very truly yours,

P.G. Carney
Manager, Environmental Matters

PGC/KLS/kgt

Enclosure

cc: W. Demick (NYSDEC - Albany) - w/o enclosure
M. Mehta (NYSDEC - Avon) - w/enclosure

New York State Electric & Gas Corporation 4500 Vestal Parkway East, Binghamton, New York 13903 (607) 729-2574

NEW YORK STATE ELECTRIC & GAS CORPORATION
INVESTIGATION OF THE FORMER COAL GASIFICATION SITE IN PENN YAN, NEW YORK

TASK 1 FINAL REPORT
PRELIMINARY SITE EVALUATION

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Town Gas Plants—History, Problems And Approaches to Study

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ABSTRACT

Town gas plant sites are receiving increasing attention from the utility industry and regulatory communities. This attention has been prompted by greater environmental awareness of impacts due to past disposal practices and the understanding that gas plant wastes contain a wide range of chemical constituents that have persisted in the environment.

This paper discusses the history of the town gas plant industry, the various processes utilized and the resultant by-products and wastes. Potential problem areas relating to these sites as well as potential approaches to site characterization are addressed. Included are recommendations for the phasing of site investigations and the use of relatively inexpensive and rapid field screening techniques to identify contamination.

INTRODUCTION

Town gas plants, utilized throughout the United States in the late 1800s and early 1900s to manufacture gas for illumination, cooking and heating purposes, are of growing concern to the utility industry and regulatory communities. These plants (well over 1,000 across the country), as well as gas storage holders, gas cleanup areas and waste and by-product disposal areas, are undergoing scrutiny because of the array of wastes that were generated and/or disposed of at many of these sites. The wastes commonly found at these sites can contain heavy metals, cyanides, phenolics, polynuclear aromatics and volatile compounds. Some of these chemical constituents can be characterized as mobile, while others are persistent in the environment.

This paper discusses the history of town gas plants, the potential problems posed by town gas plant sites and site characterization procedures to evaluate these sites. Cost-saving field screening techniques developed to identify volatiles and polynuclear aromatic compounds will be discussed.

This paper also will discuss a ranking system that has been implemented successfully to prioritize site characterization at multiple sites. This system will interest utilities confronted with multiple site evaluations. In some cases, this ranking system has been used as a basis for selecting the no action alternative.

HISTORY OF TOWN GAS PLANTS

Town gas plants had their roots in the 1700s with the discovery that coal carbonization was a major means of producing coal gas, coal tar, light oils, coke and ammonia liquor. These by-products were utilized as source materials for the production of various materials used in diverse industries. Manufactured gas was initially a major source of fuel for illumination in many cities in England, Germany and the United States. The uses of manufactured gas expanded to include those which utilize natural gas today.

In addition to manufactured gas, the use of coal tars and light oils grew to major importance in the chemical manufacturing industry. The tars and oils were used as base materials for the formulation of a variety of products, including paints and coatings, road tars, roofing and water-proofing materials, pipeline enamels, fiber conduit and fiber pipe saturants, carbon electrode binders, foundry compounds, industrial fuels and wood preserving oils and chemicals. The refined chemicals from coal tar and light oil were the starting materials for synthetic organic chemicals of the day, including dyestuffs, drugs, disinfectants, insecticides, antiseptics, flavoring components, vitamins, food preservatives, perfumes, photographic materials, plastics and elastomers. Coke and tars were used as heating materials in both the domestic (coke only) and industrial sectors.

The manufactured gas industry in the United States became prominent during the two world wars. Peak production of coal tar products in the U.S. occurred in the years prior to World War II. This era was a period of marked changes in coal tar product patterns. Petroleum asphalts became favored over road tars produced from coal and demand decreased dramatically. Creosote production fell mainly because of the reduced demand for creosoted crossties by American railroad lines. Light-oil recovery decreased due to foreign imports and the growing use of petroleum-derived products. Finally, as natural gas became available by pipeline in the northeast, it was no longer economically feasible to maintain aging facilities which produced manufactured gas for domestic use.

MANUFACTURED GAS PROCESSES

The manufactured gas processes changed significantly over the years that the industry operated. However, the basic process consisted of the following three general operations:

- *Distillation*—heating coal, coke or oil to drive off or crack organic carbon-based materials (in the presence of steam, in some cases)
- *Condensation*—cooling the manufactured gas to remove the condensible fraction (tars)
- *Purification*—washing and/or making contact with iron oxide-soaked chips and other materials to remove toxic materials from the gas

In addition to these three processes, enrichment processes were utilized in some cases. For example, carburetion was one of the earliest enrichment processes in which a petroleum distillate was mixed with the hot gases and cracked in a brick chamber. Later enrichment processes utilized catalysts to modify the chemical makeup of the gas constituents.

Manufactured gas was generated from many different processes; however, there are five basic types into which all of these processes generally fell: blue gas, carbureted water gas, coke oven gas, catalytically cracked gas and oil gas.

Blue gas (or water gas) was a mixture of carbon monoxide and hydrogen with a heating value of approximately 300 Btu/ft^3. The blue gas was produced by passing steam over coal or incandescent coke with a resultant endothermic reaction. A cyclic process of air blasts was used to control the temperature and thereby minimize the production of excess nitrogen and carbon monoxide. Figure 1

is a flow diagram of a typical blue gas producer.

Carbureted water gas was basically an enriched blue gas. Hot blue gas was enriched in a carburetor with a petroleum distillate (e.g., Bunker C) and then passed through a superheater (e.g., a preheated brick chamber) to crack the distillate. Figure 2 is a flow diagram of a typical water gas producer. The process was cyclical control excessive nitrogen and carbon dioxide contamination the gas and reduce the overheating of the carburetor and superheater.

Coke oven gas was a mixture of hydrogen, methane, carbon monoxide and illuminants (e.g., ethylene) with a heating value of approximately 500 Btu/ft^3. The gas was produced in steel coke ovens and normally was cleaned at the steel manufacturing plant to remove tars, ammonia, light oils, naphthalene and some sulfuric compounds which were sold as separate by-products. Figure 3 is a flow diagram of a typical coke oven gas process.

Catalytically cracked gas was a mixture of carbon monoxide and hydrogen with a heating value of approximately 300-400 Btu/ft^3. This process was similar to carbureted water gas in that a low Btu was enriched by cracking a petroleum distillate over a nickel oxide catalyst with regulated amounts of steam.

BLUE GAS PRODUCER
GAS PROCESS FLOW

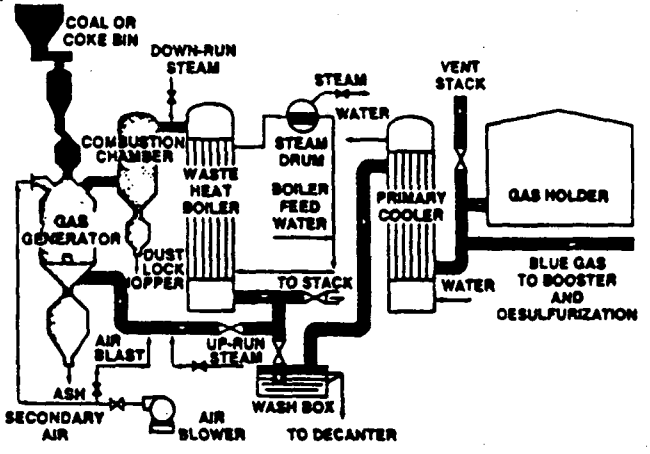


Figure 1

CARBURETED WATER GAS PRODUCER
GAS PROCESS FLOW

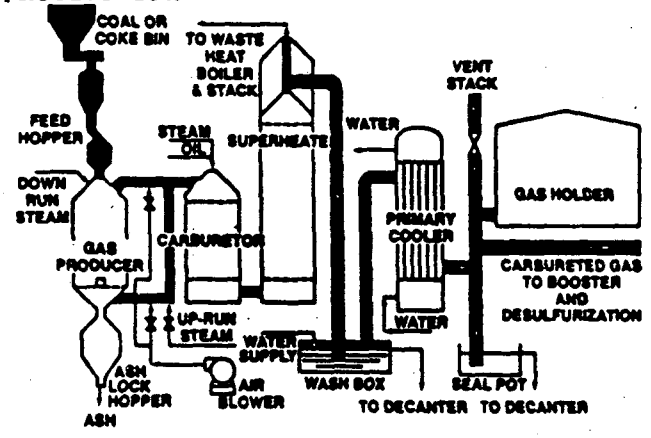


Figure 2

Oil gas was basically a cracked petroleum distillate (i.e., ranging from kerosene to Bunker C fuel oil). The oil gas was rich in methane, ethane, hydrogen and light hydrocarbons with a heating value of approximately 1,000 Btu/ft^3. The thermal cracking of the petroleum distillate was achieved by spraying it onto hot brickwork (e.g., a superheater similar to that utilized in the production of carbureted water gas) or a bed of hot catalyst.

COKE OVEN
GAS PROCESS FLOW

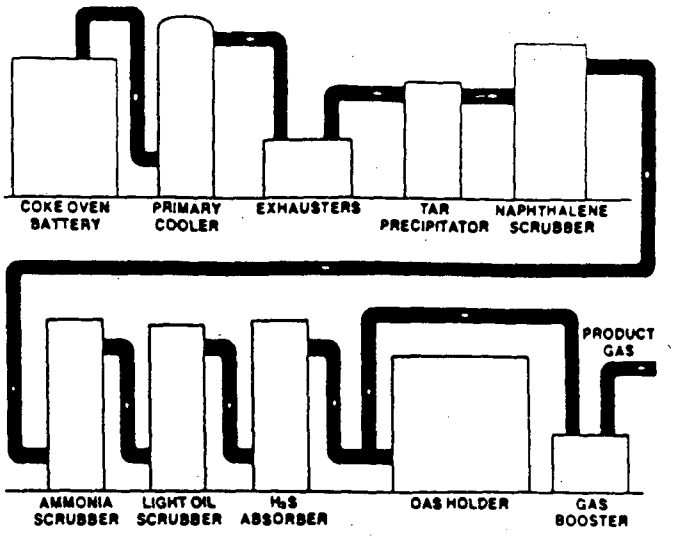


Figure 3

BY-PRODUCT/WASTE GENERATION

By-products and wastes generated by the processes of coal/coke gasification, gas cooling and gas cleaning are linked below:

Process	By-products	Wastes
Coal/Coke Gasification	Gas	Ash, slag and clinkers
Gas Cooling	Tar	Wastewater and sludges
Gas Cleaning	Clean Gas – Ammonium Sulfate	Spent iron oxide

Gas cooling resulted in the condensation of organic material that was removed as tar. Gas cleaning was performed to remove ammonia and toxic compounds. Ammonia scrubbing occurred primarily at coke oven gas facilities. Other facilities which produced carbureted water gas and catalytically cracked gas did not typically include ammonia scrubbing. The removal of ammonia occurred by simply passing the gas stream through a sulfuric acid solution with the resultant formation of ammonium sulfate that was normally sold for the production of fertilizer.

Subsequent to tar removal, toxic compounds (i.e., hydrogen sulfide and cyanide) were removed. The most common process for the removal of these compounds utilized fixed bed purifier boxes. The purifier boxes contained wooden chips that were treated with iron oxide which was used as a scavenger for hydrogen sulfide in the gases. The iron oxide was regenerated by cycling the purifier boxes (i.e., blowing air through the beds, thereby releasing sulfur dioxide into the atmosphere). Over time, the iron oxide/wood chip beds lost their usefulness because of the formation of extremely stable ferric/ferrous cyanide complexes on the wood chips.

ENVIRONMENTAL CONCERNS

In the evaluation of manufactured gas plant sites, the areas of potential concern result primarily from the following past practices:

- Spills and leaks of products/by-products during normal operation and closure of facilities
- Products/by-products that may not have been utilized or were left in place during closure (e.g., left in process pipes and tanks)
- Wastes that were deposited on-site or off-site
- Wastewaters that were discharged on-site and off-site

The specific environmental concerns relative to these operations and/or practices include:

- Leaching of metals from ash, slag and clinkers land-filled on-site
- Contamination of soils, groundwater, or surface water by spent iron oxide which contains high concentrations of sulfur and significant concentrations of various cyanides. Table 1 summarizes compounds that may be identified in spent oxide waste
- Contamination of soils, groundwater or surface water by tars and light oils. These wastes typically are a complex mixture of polynuclear aromatic (PNA) compounds and phenols as shown in Table 2. Environmental concerns stem from the fact that some of these compounds are known or suspected carcinogens

Table 1
Typical Analysis of Spent Oxide[2]

Compound	Concentration (%)
Free sulfur	44.70
Moisture	18.88
Ferric monohydrate	5.26
Ferrous monohydrate	6.25
Basic ferric sulfate	1.25
Ferric ammonium ferrocyanide	3.80
Ferrocoferric ammonium ferrocyanide	2.50
Ferric pyridic ferrocyanide	1.20
Organic matter peat fiber	4.68
Tar	1.21
Silica	1.05
Naphthalene	0.72
Pyridine sulfate	0.77
Ammonium sulfate	2.06
Calcium sulfate	0.12
Ferrous sulfate	0.02
Ammonium thiocyanate	1.30
Sulfur otherwise combined	1.33
Organic matter soluble in alkalies (humus)	1.54
Combined water and loss (by difference)	2.36
	100.0

Table 2
Characteristic Compounds Found In Manufactured Gas Plant Tars[1]

Benzene
Toluene
Xylenes
Phenol
Cresols
Xylenols
Pyridine
Naphthalene
Methylnaphthalenes
Dimethylnaphthalenes
Acenaphthene
Carbazole
Fluoranthene
Anthracene
Phenanthrene
Fluoranthene
Pyrene
Chrysene
Benz(a)anthracene
Benzo(k)fluoranthene
Benzo(a)pyrene
Perylene
Benzo(g,h,i)perylene
Benzo(b)chrysene
Dibenz(a,h)anthracene

Reference: ERT/Koppers,[2]

SITE INVESTIGATIONS

The major steps in conducting site investigations and remedial studies at town gas plants are as follows:

- Site Identification/Preliminary Assessment
- Site Ranking
- Phased Site Investigations
- Identification of Problem (Risk Assessment)
- Evaluation and Selection of Remedial Measures

The balance of this paper overviews each of the first three steps of the preceding paragraphs.

Site Identification/Preliminary Assessment

Identification by a utility of town gas plant sites for which it is responsible can be prompted by:

- Complaints of visible contamination either at the site or as a result of a discharge to surface water
- Interaction with other utilities due to current and/or prior ownership of a town gas plant site
- Follow-up Superfund 103CC filings on these sites
- Regulatory inquiries
- Internal concerns relative to the potential existence of these sites

Once identified, a preliminary assessment of the site to gather site-related information is advisable. This assessment should identify the potential for on-site by-product deposits, site features that would indicate potential exposure pathways and available information on site stratigraphy, geohydrology and community attitudes that would be used to design the site investigation program.

Examples of potential sources of information that can be used for the preliminary assessment are identified in Table 3. The overall objective of Site Identification/Preliminary Assessment is to develop a data base from which sites can be evaluated as to the need for future action. In such cases where a utility may have responsibilities at multiple sites, site ranking typically is utilized to prioritize the subsequent evaluations. Our firm has found cases where no further investigation was deemed necessary based upon preliminary assessments.

Table 3
Potential Sources of Information For The Preliminary Assessment

Source	Information/Remarks
Interviews with Former Employees	• Plant practices and operation • Waste disposal areas • Plant closure
Water Resource Department (or equivalent)	• Location of wells (domestic and industrial) in site vicinity • Well boring logs (site stratigraphy) • Water quality
Utility Records	• Past plant practices and operations • Aerial photographs • Title searches • Former plant layouts
State/Local Agencies	• Regulatory requirements • Study objectives • Results from prior studies
US FEMA	• Location in 100-year flood plain
US Soil Conservation Service	• Classification of soils in site vicinity
USGS	• Location of wells • Topographical maps
Site Visit	• Evaluate site conditions • Evidence of contamination • Impediments to site investigations • Adjacent land use

Site Ranking

For utilities faced with multiple site evaluations, site prioritization may be appropriate and desirable to allocate resources in a cost-effective manner. Advantages include:

- Dedication of utility resources to those sites that are considered the most important and require additional site investigations A sound basis for developing site investigation schedules for multiple sites
- Prioritization of sites in response to regulatory agency inquiries

WESTON uses a modification of the Edison Electric Institute Ranking System in its approach to ranking town gas plants[2]. The system results in a relative ranking of site importance based on the following factors:

- Site Characteristics
  - Size
  - Location
  - Current Use
  - Planned Use
- Waste Characteristics
  - Operating Period
  - Visible Surface Waste Deposits
  - Odor Problems
  - Water Problems
- Resource Characteristics
  - Surface Water Proximity
  - Surface Water Use
  - Groundwater Proximity
  - Groundwater Use
- Process Type

For each subcategory under Site, Waste and Resource Characteristics, and for the category of Process Type, a site is ranked on a scale of 1 to 5. A score of 1 indicates little importance, while a score of 5 indicates high importance. The site score is the sum of the individual scores and the site with the highest score is ranked the most important (i.e., recommended for additional site investigations).

Phased Site Investigations

Site investigations are conducted to achieve the following objectives:

- Confirm the presence of plant by-products and wastes at a site due to former town gas plant operations as well as determine the lateral and vertical extent of the source material
- Determine the direction, rate and concentrations of constituents-of-concern moving off-site
- Gather adequate site information to assess potential site problems and, if necessary, develop and select remedial measures
- Determine if any immediate remedial measures should be implemented to mitigate environmental concerns

A phased approach is strongly recommended to cost-effectively achieve the above-listed objectives. In addition, phasing allows utilization of information from a previous phase to guide subsequent phases of potential activity.

An example of a phased field investigation program for a gas plant site is summarized below:

Phased Field Investigation Program

Phase 1—Shallow soil and sediment samples are collected on-site for full priority pollutant analysis. Based on the results, "indicator" parameters are selected for analysis in subsequent phases. The results of the shallow soil sampling will indicate if the site poses any immediate threats and whether site access should be restricted. During sample collection, volatile aromatic and PNA field screening techniques are applied. Correlations can be identified between field and laboratory results and used in subsequent investigation phases.

Phase 2—Test pits are subsequently excavated to locate the source material on-site. Additional soil samples are collected and analyzed for the "indicator" parameters. During backfilling, piezometers are placed down to the groundwater table in selected test pits. These piezometers are surveyed and used to measure groundwater levels to determine groundwater direction.

Phase 3—Upgradient, downgradient and on-site wells are installed based on the groundwater flow direction identified. After well development, groundwater samples are collected for chemical analysis. Permeability testing is performed to derive soil permeability data and calculate groundwater flowrates.

Field screening methods are expedient, effective and inexpensive ways to locate the lateral and vertical extent of contamination. Even during intense soil sampling efforts at a site, field screening can be used to increase knowledge of the site. Relevant to town gas plant sites, our firm has developed and had the U.S. EPA validated field screening methods for the determination of total polynuclear aromatics (PNAs) and volatile aromatics in both soils and water.

The PNA screening method, which is being implemented at two Superfund sites, consists of rapid extraction and analysis using UV flourescence spectrophotometry. The volatile aromatic screening technique entails collection of a headspace sample from a field sample in a closed container. The gaseous sample then is injected into a portable gas chromatograph (Photovac model 10A10).

CONCLUSIONS

Gas plant wastes contain a wide range of chemical constituents that have persisted in the environment. The approach to site characterization should consist of site identification/preliminary assessment, site ranking and phased site investigations. Site ranking can be used to prioritize multiple sites for further investigations. In some cases, this ranking system has been used as a basis for selecting the No Action alternative.

The phasing of site investigations results in cost savings through the use of field screening techniques, "indicator" parameters for analysis and the collection of on-site data prior to investigating off-site locations. Finally, WESTON has developed field screening techniques for volatile aromatics and PNAs, two classes of compounds typically found in town gas plant wastes. Advantages in using these methods include reductions in laboratory costs, quicker turnaround times and greater knowledge of site contamination.

REFERENCES

1. ERT/Koppers, *Handbook on Manufactured Gas Plant Sites*, Edison Electric Institute, Washington, D.C., 1984.
2. Hill, W.H., Recovery of Ammonia, Cyanogen, Pyridine, and Other Nitrogenous Compounds from Industrial Gases," 1945.
3. Wilson, D.C. and Stevens, C., "Problems Arising from the Redevelopment of Gas Works and Similar Sites," Prepared for Department of the Environment, U.K., 1981, p. 175.

NYSEG PENN YAN GAS PLANT

Lat: 42°39'40"N Long: 77°03'00"W

Data List of Dataset: NYCK Number of Records = 6

REC #	POP	HOUSE	DISTANCE	SECTOR
1	0	0	0.400000 ¼ mi	1
2	735	291	0.810000 ½ mi	1
3	735	0	1.60000 1	1
4	5541	2186	3.20000 2	1
5	0	0	4.80000 3	1
6	0	0	6.40000 4	1

1627 6

NUS CORPORATION
A Halliburton Company

COMPLETED

02-8702-38-PA

POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

Niagara Mohawk/Oswego Operations
Site Name

NYD980664262
EPA Site ID Number

West First Street
Oswego, New York
Address

02-8702-38
TDD Number

Date of Site Visit: February 26, 1987

SITE DESCRIPTION

The Niagara Mohawk Oswego Operations is an active headquarters for electric power repair and maintenance. The site is bordered by the Oswego River to the east and south. Two car dealers and a gasoline station border the site to the west. An abandoned building borders the site to the north. The area is generally a commercial zone with residences within two to three blocks. There is no history of hazardous waste storage or disposal at this facility.

PRIORITY FOR FURTHER ACTION: High ___ Medium ___ Low ___ None X

RECOMMENDATIONS

No site investigation is recommended. The New York State Department of Environmental Conservation Region 7 and the Oswego County Health Department were both contacted and stated that Niagara Mohawk Oswego Operations had no history of disposal.

Prepared by: Michael Bauman **Date:** June 6, 1987
of NUS Corporation

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

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY 980664762

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): Niagara Mohawk/Oswego Operations

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: West First Street

03 CITY: Oswego

04 STATE: NY

05 ZIP CODE: 13126

06 COUNTY: Oswego

07 COUNTY CODE: 075

08 CONG DIST.: 029

09 COORDINATES

LATITUDE: 43° 26' 28". LONGITUDE: 076° 30' 23".

10 DIRECTIONS TO SITE (Starting from nearest public road)

Take I-81 to NY-104 west. Take NY-104 west to Oswego, approximately 20 miles. In Oswego take 40 south, approximately 0.5 miles to site. The site will be on the east (left) side of the road.

III. RESPONSIBLE PARTIES

01 OWNER (if known): Niagara Mohawk

02 STREET (Business, mailing, residential): West First Street

03 CITY: Oswego

04 STATE: NY

05 ZIP CODE: 13126

06 TELEPHONE NUMBER: (315) 343-2110

07 OPERATOR (if known and different from owner): Same as owner

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)

X 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: __/__/__ ___ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__

X C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

___ YES DATE: __/__/__

X 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): _____

02 SITE STATUS (Check one)

X A. ACTIVE ___ B. INACTIVE ___ C. UNKNOWN

03 YEARS OF OPERATION

Unknown (BEGINNING) / Present (ENDING) ___ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

There are no hazardous substances suspected to on the site.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

The site is located inside Oswego city limits and is not totally fenced to prohibit public access. The Oswego river borders the site and empties into lake Ontario where city water intakes are within one mile.

IV. 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 (Inspection on time available basis) X D. NONE

(No further action needed. complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Diana Messina	U.S. EPA, Region 2, Edison, NJ	(201) 321-6776

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Michael Bauman	U.S. EPA	NUS FIT 2	(201) 225-6160	06/06/87

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY [illegible]

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- _ A. SOLID
- _ B. POWDER, FINES
- _ C. SLUDGE
- _ D. OTHER: None Suspected (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 _____

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
- X M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACO	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

Off-site Reconnaissance, NUS FIT 2, 02/26/87.
Telecon: NYDEC Region 7, 4/26/87 at 0947.
Telecon: Oswego County Health Department, 4/26/87 at 0922.

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 24,403 04 NARRATIVE DESCRIPTION

There is a potential for groundwater contamination if any contaminants were on site. The groundwater is used as drinking water.

01 X B. SURFACE WATER CONTAMINATION 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 24,403 04 NARRATIVE DESCRIPTION

There is a potential for surface water contamination if any contaminants were on site. The Oswego River bounds the site or the south and east side. The Oswego River empties into Lake Ontario, which is used as drinking water.

01 X C. CONTAMINATION OF AIR 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 27,397 04 NARRATIVE DESCRIPTION

There is a potential for contamiantion of the air if any contaminates were on site. The site is located in the city of Oswego. Wind blown dust may expose the population to contaminated soil.

01 X D. FIRE/EXPLOSIVE CONDITIONS 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 21,929 04 NARRATIVE DESCRIPTION

There is a potential for fire conditions if any contaminants were on site which had explosive characteristics. The site contains an active electrical transformer station.

01 X E. DIRECT CONTACT 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 19,793 04 NARRATIVE DESCRIPTION

There is a potential for direct contact if any contaminates were on site because the site is not completely fenced. Wind blown dust may also expose the population to any contamination.

01 X F. CONTAMINATION OF SOIL 02 _ OBSERVED (OATE: _____) X POTENTIAL _ ALLEGED
03 AREA POTENTIALLY AFFECTED: 5 (ACRES) 04 NARRATIVE DESCRIPTION

There is a potential for soil contamination if any contaminates were on site. The area over which potential spills may have occurred may be contaminated.

01 X G. DRINKING WATER CONTAMINATION 02 _ OBSERVED (OATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 24,403 04 NARRATIVE DESCRIPTION

There is a potential for drinking water contamination if any contaminates were on site. Surface water from Lake Ontario is used as the source for drinking water by the city of Oswego and groundwater is used as the source for drinking water beyond the city water services.

01 X H. WORKER EXPOSURE/INJURY 02 _ OBSERVED (OATE: _____) X POTENTIAL _ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

There is a potential for worker exposure if any contaminates are on site. The site is the center for Niagara Mohawk field operations.

01 X I. POPULATION EXPOSURE/INJURY 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 27,397 04 NARRATIVE DESCRIPTION

There is a potential for population exposure if any contaminates were on site. Both the surface water and the groundwater are used for drinking water sources. Also, Lake Ontario is used for recreational swimming and fishing.

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

There is a potential for damage for flora if any contaminates were spilled or leaked on site. Grass, trees, and shrubs may be damaged by potentially contaminated surface water and groundwater.

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

There is a potential for damage to aquatic fauna if any contaminates were spilled or leaked on site. The Oswego River borders the site on the east and south sides.

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

There is a slight potential for food chain contamination if any contaminates were spilled or leaked on site. Sport fishing in potentially contaminated surface water may yield contaminated fish.

01 _ M. UNSTABLE CONTAINMENT OF WASTES — 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: 19,793
04 NARRATIVE DESCRIPTION

There are no wastes suspected to be on site.

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

There is a slight potential for damage to off-site property if any contaminates were on site. Potentially contaminated surface water may migrate to off-site locations.

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

There is a potential for contamination of storm drains via sight runoff if they exist on or near the site if any contaminates were on site.

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

There is a potential for unauthorized dumping because the site is not completely fenced.

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

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 27,397

IV. COMMENTS

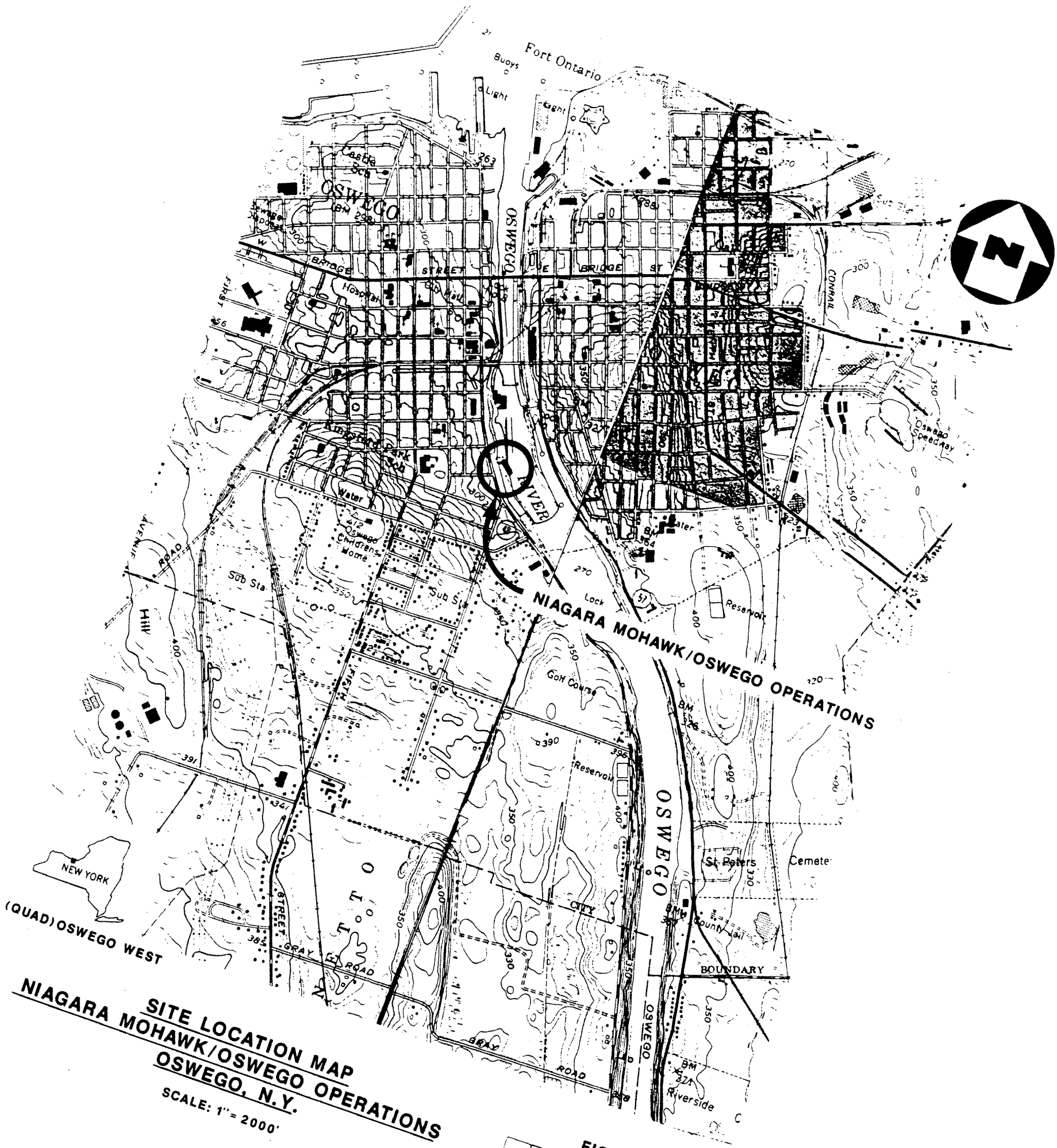
None

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

Off-site Reconnaissance, NUS FIT 2, 02/26/87.
New York State Atlas of Community Water System Sources, 1982, Page 30, 31.

APPENDIX A

MAPS AND PHOTOS



SITE LOCATION MAP
NIAGARA MOHAWK/OSWEGO OPERATIONS
OSWEGO, N.Y.
SCALE: 1" = 2000'

FIGURE 1

NUS CORPORATION

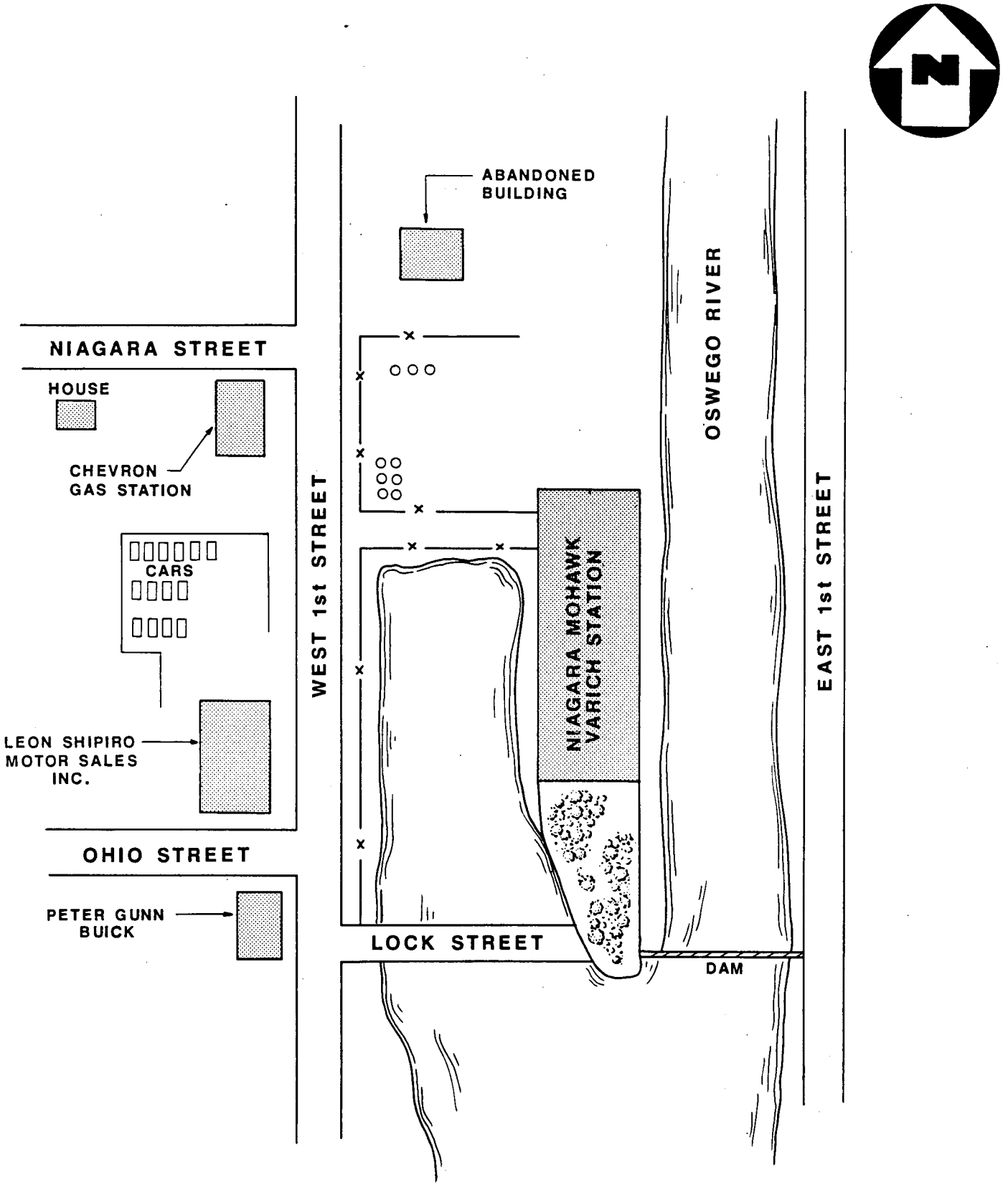


FIGURE 2

SITE MAP

NIAGARA MOHAWK/OSWEGO OPERATIONS

OSWEGO, N.Y.

(NOT TO SCALE)

NUS CORPORATION
A Halliburton Company

NIAGARA MOHAWK/OSWEGO OPERATIONS
OSWEGO, NEW YORK
TDD# 02-8702-38

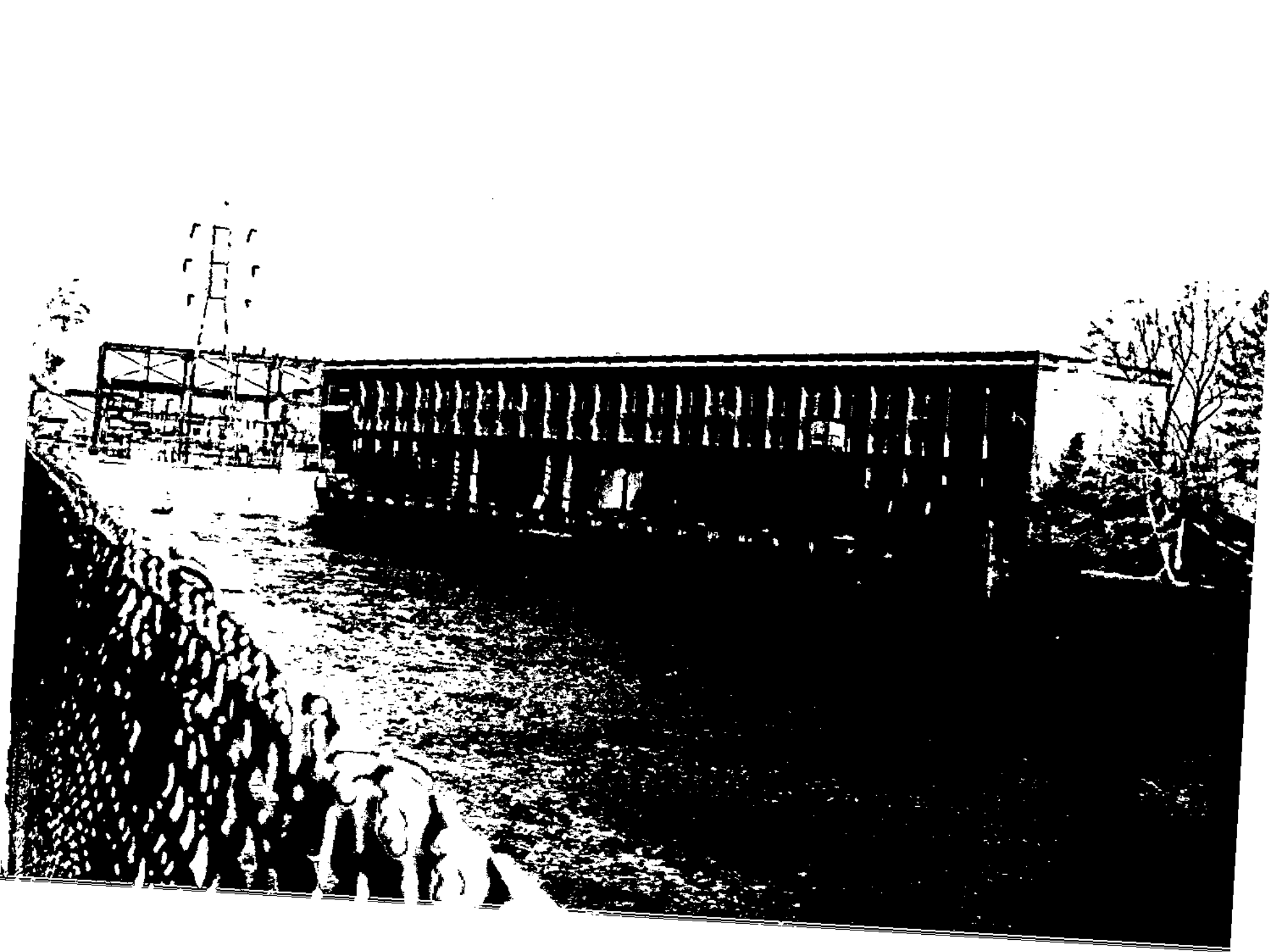
PHOTOGRAPH LOG

Niagara Mohawk/Oswego Operations
Oswego, New York
TDD# 02-8702-38
February 26, 1987

Photograph Index

Photograph taken by Scott Krall

Photo Number	Description	Time
1P-14	Facing north at site	0945



NUS PHOTO I.D. 1P-14

SITE NAME: Niagara Mohawk/Oswego Oper.
LOCATION: West First St. Oswego, N.Y.
TDD #: 02-8702-38
DATE: 2/26/87 TIME: 0945
PHOTOGRAPHER: Scott Krall
DESCRIPTION: Facing North looking at site

NUS CORPORATION

Niagara Mohawk/Oswego Operations, Oswego, New York

1P-14 February 26, 1987 0945
Facing north at site.
Photographer: Scott Krall

APPENDIX B

BACKGROUND INFORMATION

OSWEGO COUNTY

New York State Atlas of Community Water System Sources 1982 NYS Dept of Health

ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE
Municipal Community			
1	Central Square Village	1427	Wells
2	Cleveland Village	951	Wells
3	Fulton City	15000	Wells
4	Lacona-Sandy Creek Joint Water Works	1435	Wells
→5	Metropolitan Water Board		Lake Ontario
6	Mexico Village	1725	Wells
7	Orwell	250	Wells
→8	Oswego City	33000	Lake Ontario
9	Phoenix Village	2600	Wells
10	Pulaski Village	2500	Wells (Springs)
Non-Municipal Community			
11	Best Trailer Park	15	Wells
12	Bisbo's Mobile Home Park	100	Wells
13	Brady's Trailer Park	18	Wells
14	Cedar Village Apartments	48	Wells
15	Clark Lane Mobile Home Sites	234	Wells
16	Conifer	375	Wells
17	Crestview Mobile Court	44	Wells
18	Crisafulli Mobile Home Park	25	Wells
19	Evergreen Mobile Manor	100	Wells
20	Furlong Trailer Park	20	Wells
21	Gilbert Trailer Park	18	Wells
22	Green Acres Mobile Court	75	Wells
23	Idle Wheels Trailer Park Inc	150	Wells
24	Indian Hills Mobile Home Park	300	Wells
25	Island Road Mobile Home Park	25	Wells
26	J Ann J Trailer Park	175	Wells
27	Kerfien Mobile Home Park	100	Wells
28	Kirby's Trailer Court	100	Wells
29	Kozy Kort Trailer Park	45	Wells
30	Locust Grove Trailer Park	150	Wells
31	Lyndon Lawns Mobile Park Inc	240	Wells
32	Mallory Trailer Park	200	Wells
33	Maple Grove Trailer Park	35	Wells
34	Marian Trailer Park	100	Wells
35	Mobile City Trailer Park	180	Wells
36	Northridge Acres	100	Wells
37	Northway Acres	175	Wells
38	Palermo Trailer Park	25	Wells
39	Partridge Acres	175	Wells
40	Ponderosa Mobile Home Park	60	Wells
41	Powell Mobile Home Park	72	Wells
42	Powell's 85	20	Wells
43	Quiet Acres	27	Wells
44	Ranaletto Mobile Park	30	Wells
45	Richland Trailer Court	21	Wells
46	Riverview Mobile Court	54	Wells
47	Romark Park Inc	48	Wells
48	S and E Trailer Park	80	Wells
49	Sandridge Mobile Court	600	Wells
50	Silver Rock Trailer Park	84	Wells
51	Somerlawn South	60	Wells
52	Somerlawn Trailer Park	152	Wells
53	Spruce Grove Trailer Park	165	Wells
54	Sunny Lane Mobile Village	195	Wells
55	Sunrise Hill	50	Wells
56	The Retreat	21	Wells
57	Wildwood Mobile Home Estates	36	Wells
58	Winns Trailer Park	63	Wells
59	Wooded Acres	144	Wells

NUS CORPORATION AND SUBSIDIARIES — TELECON NOTE

CONTROL NO:	DATE:	TIME:
02-8702-38	04/26/87	0947

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Region 7 DEC	Department of Environmental Conservation	(315) 428-4497

AND: Michael Bauman

DISCUSSION:

- DEC has no record on the Niagara Mohawk operations center ever having any hayardous substances on site

ACTION ITEMS:

NUS 067 REVISED 0685

NUS CORPORATION AND SUBSIOIARIES — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
02-8702-38	04/26/87	0922

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Oswego Sanitary Engineer	Oswego County Health Dept.	(315) 349-3545

AND: Michael Bauman

DISCUSSION:

- The county health department has no records of ever having any problems with hazardous substances at the Niagara Mohawk operation center located in Oswego.

ACTION ITEMS:

NUS 067 REVISED 0686

02-8710-108-PA
REV. NO. 0

PRELIMINARY ASSESSMENT
NYS ELECTRIC AND GAS

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-8710-108
CONTRACT NO. 68-01-7346

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

DECEMBER 14, 1987

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY:

Peter Morton

PETER MORTON
PROJECT MANAGER

REVIEWED/APPROVED BY:

Ronald M. Naman

RONALD M. NAMAN
FIT OFFICE MANAGER

NUS CORPORATION

POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

02-8710-108-PA
Rev. No. 0

NYS Electric and Gas **Site Name**	NYD980420905 **EPA Site ID Number**
Rte. 14, Dresden, Yates Co., New York **Address**	02-8710-108 **TDD Number**

Date of Site Visit: November 4, 1987

SITE DESCRIPTION

The New York State Electric and Gas Plant in Dresden, Yates County, New York is an active facility located in a rural area adjacent to Seneca Lake. The entire property is fenced. There are three buildings and a transformer area on site. One of the buildings has four large smokestacks, and there are cinder piles adjacent to the building. Two railroad tracks enter the facility. The New York State Department of Environmental Conservation (NYSDEC) has no information concerning this site on file.

PRIORITY FOR FURTHER ACTION: High __ Medium __ No Further Action X

RECOMMENDATIONS

No further action is recommended by FIT 2 at this time. The entire property is fenced, and there are minimal population targets in the area. Furthermore, there is no information concerning this site on file with the NYSDEC. There are no records or evidence indicating the presence of hazardous wastes. Action may be warranted by State or other Federal agencies (TSCA) due to transformers on site which potentially contain PCB's.

Prepared by: Peter Morton
of NUS Corporation

Date: 12/14/87

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0980420905

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
NYS Electric and Gas	Route 14

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Dresden	NY	14441	Yates	123	029

09 COORDINATES LATITUDE	LONGITUDE
42°40'46" N	076°56'55" W

10 DIRECTIONS TO SITE (*Starting from nearest public road*)

From Geneva, take Route 14 south for approximatley 15 miles, NYSEG Plant is on the left (east side of road).

III. RESPONSIBLE PARTIES

01 OWNER (*if known*)	02 STREET (*Business, mailing, residential*)
New York State Electric and Gas	Route 14

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
Dresden	NY	14441	(315) 789-5100	

07 OPERATOR (*if known and different from owner*)	08 STREET (*Business, mailing, residential*)

09 CITY	04 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	

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 103c*) DATE RECEIVED: _____ (MONTH DAY YEAR) ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01. ON SITE INSPECTION

☐ YES DATE: _____ (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): _____

02 SITE STATUS (*Check one*)

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

_____ / _____ (BEGINNING YEAR / ENDING YEAR) ☒ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Coal tars are commonly associated with this type of site. Polynuclear aromatic hydrocarbons (PAHs) are potentially present. Transformers present on site may (See Attachment A)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Potential hazard to the environment is extremely low. The entire site is fenced and municipal water for the area is drawn from Keuka Lake, which is (See Attachment A)

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*)	08 TELEPHONE NUMBER
Diana Messina	U.S. EPA, Region 2, Edison, New Jersey	(201) 321-6776

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Peter Morton	U.S. EPA	NUS Corp., FIT 2	(201) 225-6160	12/14/87

ATTACHMENT A

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

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

contain polychlorinated biphenyls (PCBs).

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

greater than 3 miles from the site.

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0980420905

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES *(Check all that apply)*

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER Unknown *(SPECIFY)*
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

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

- TONS
- CUBIC YARDS Unknown
- NO. OF DRUMS

03 WASTE CHARACTERISTICS *(Check all that apply)*

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT Unknown
- ☐ 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			It is unknown what types of wastes are present
OLW	OILY WASTE			at the facility.
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
	It is unknown if any				
	hazardous wastes are				
	present here.				

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)*

NUS Corporation FIT 2 off-site reconnaissance conducted on 11/04/87.
Telecon Note: Conversation between Lester Travis of Yates Co. Soil and Water Conservation Service and Peter Morton of NUS Corp. dated 11/12/87.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	980420905

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

If hazardous substances are present, there is potential for groundwater contamination. Nobody uses groundwater within 3 miles of the site, however. Municipal wells for Dundee and Starkey are greater than 3 miles from the site.

01 [X] B. SURFACE WATER CONTAMINATION
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown
04 NARRATIVE DESCRIPTION

If hazardous substances are present, there is potential for contaminating Seneca Lake. An unknown number of people use the lake for recreational purposes.

01 [X] C. CONTAMINATION OF AIR
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Approx. 2780
04 NARRATIVE DESCRIPTION

There is a slight potential for air contamination as it is unknown what is being emitted from the large smokestacks present on site. Approximately 2780 people live within 4 miles of the site.

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

No fire/explosive conditions were noted on 11/04/87.

01 [X] E. DIRECT CONTACT
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown
04 NARRATIVE DESCRIPTION

The entire facility is fenced. No threat to the surrounding community exists for exposure through direct contact. If hazardous substances are present, an unknown number of workers are potentially exposed through direct contact.

01 [X] F. CONTAMINATION OF SOIL
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED: 5-10 (Acres)
04 NARRATIVE DESCRIPTION

If hazardous substances are present, potential for soil contamination exists. The area of the site is approximately 5 to 10 acres.

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

No potential for drinking water contamination exists. Municipal drinking water for the Dresden area is taken from Keuka Lake which is greater than 3 miles upgradient from the site.

01 [X] H. WORKER EXPOSURE/INJURY
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: Unknown
04 NARRATIVE DESCRIPTION

There is potential for an unknown number of workers to be exposed through direct contact if any hazardous substances are present on site.

01 [X] I. POPULATION EXPOSURE/INJURY
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown
04 NARRATIVE DESCRIPTION

The potential danger to the population is low. The only potential exists through worker exposure/injury, or by contamination of Seneca Lake which is used for recreational purposes.

EPA POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: D980420905

II. HAZARDOUS CONDITIONS AND INCIDENTS *(CONTINUED)*

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

There is no flora within the confines of the facility. There is a low potential for flora contamination if any hazardous substances are present and have migrated off site.

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

If any hazardous substances are present, potential exists for contamination of aquatic life in the Keuka Lake Outlet and Seneca Lake.

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

There is a small potential for contamination of the aquatic life in Seneca Lake if hazardous substances are present.

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

It is unknown if any wastes are disposed of here.

01 [ ] N. DAMAGE TO OFF-SITE PROPERTY — 02 [ ] OBSERVED (DATE: _____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

No damage to off-site property was noted on 11/04/87.

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

There are no sewers or storm drains in the area.

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

The entire facility is fenced. No potential exists for illegal or unauthorized dumping.

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

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

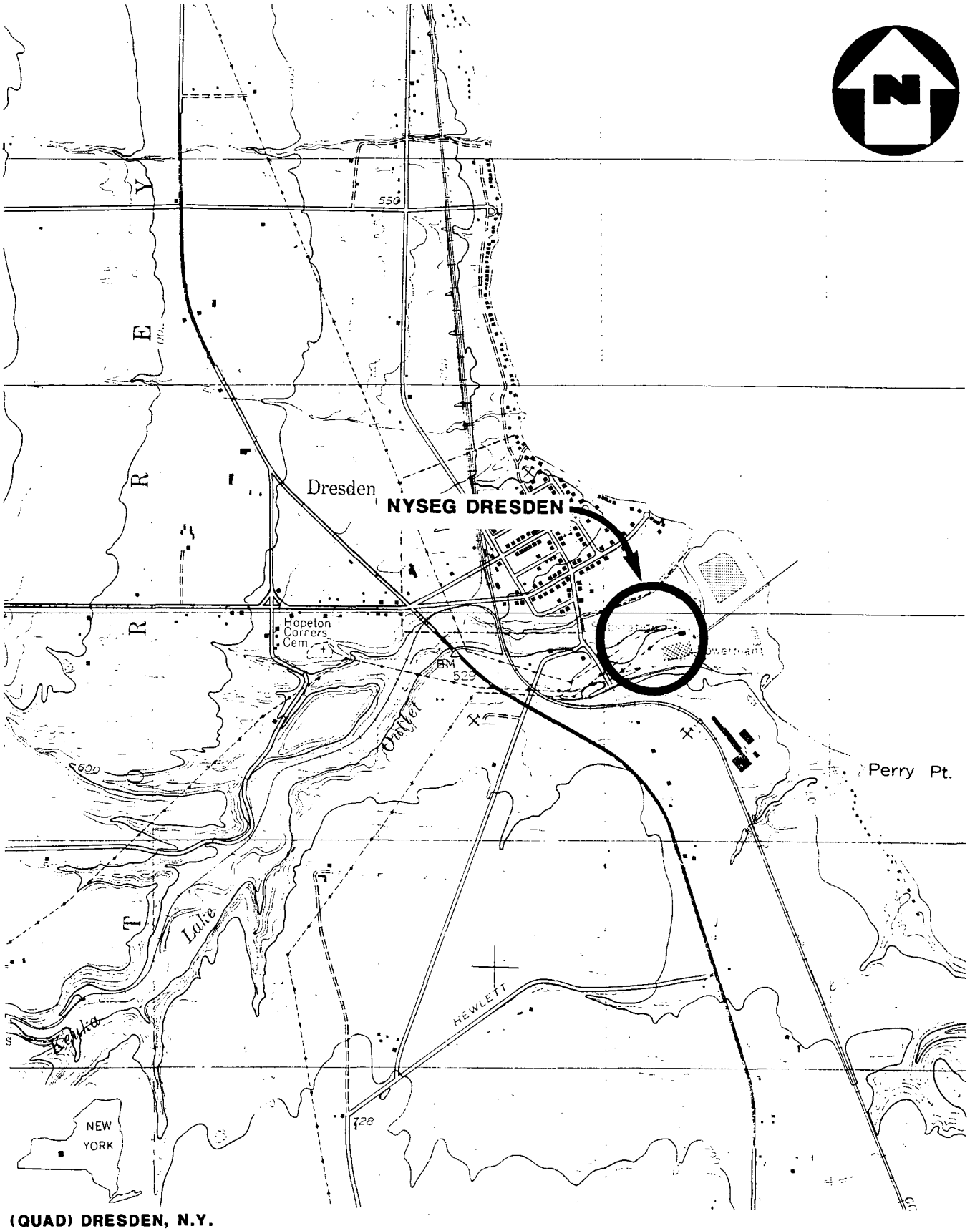
IV. COMMENTS

The facility has very little potential for affecting the environment. It is unknown whether any wastes are present on site. However, even if wastes are present, the plant is entirely fenced and there are few targets in the area.

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

NUS Corporation FIT 2 off-site reconnaissance conducted on 11/04/87.
Telecon Note: Conversation between Lester Travis of Yates Co. Soil and Water Conservation Service and Peter Morton of NUS Corp. dated 11/12/87.
U.S. Department of the Interior, Geological Survey Topographic Map, 7.5 minute series, "Dresden Quadrangle, NY", 1943, revised 1978.
General Sciences Corporation, Graphical Exposure Modeling Systems (GEMS). Landover, Maryland, 1986.

APPENDIX A
MAPS



(QUAD) DRESDEN, N.Y.

FIGURE 1

SITE LOCATION MAP

NYS ELECTRIC AND GAS, DRESDEN, N.Y.

NUS CORPORATION

SCALE : 1"=2000'

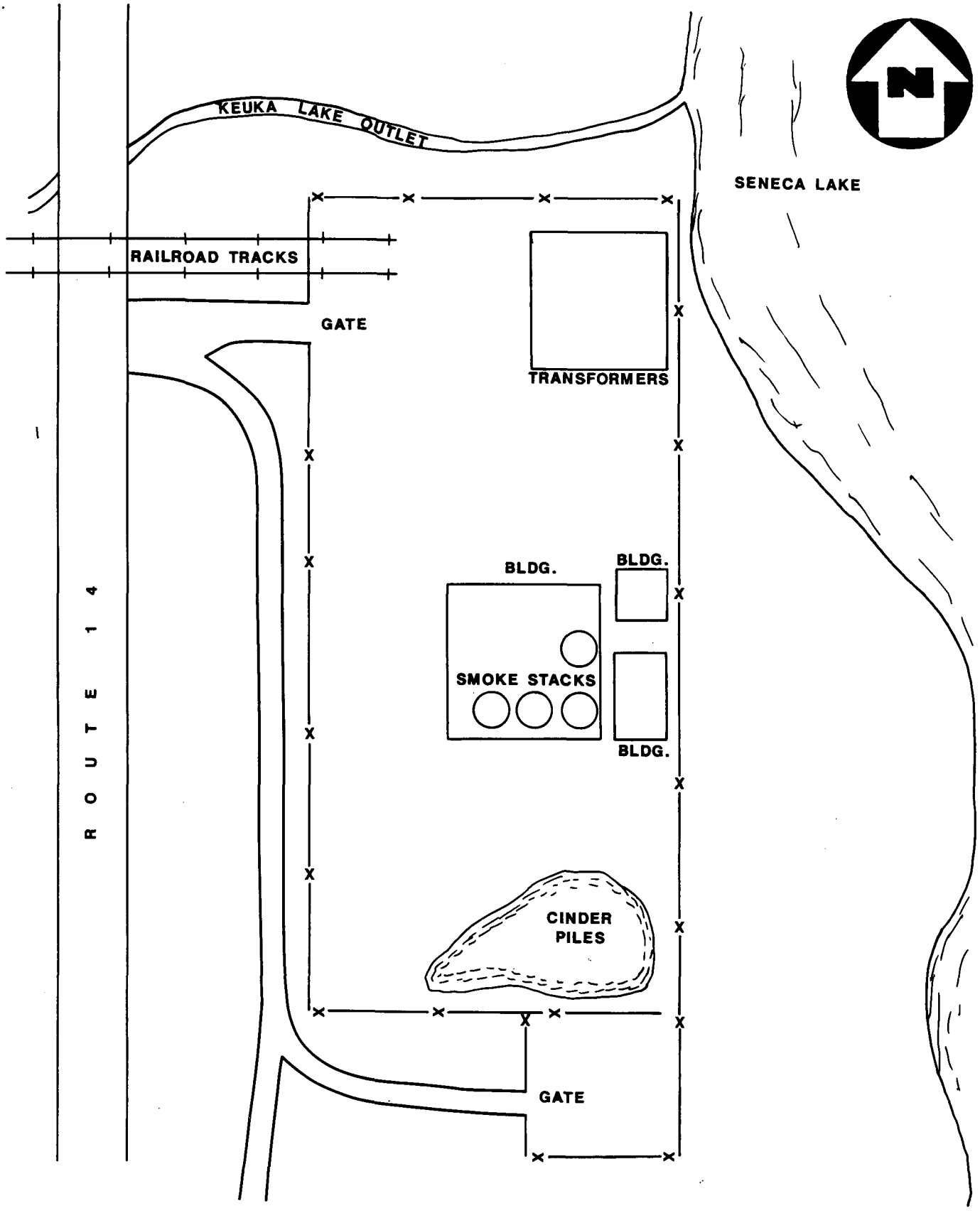


FIGURE 2

SITE MAP

NYS ELECTRIC AND GAS, DRESDEN, N.Y.

(NOT TO SCALE)

NUS CORPORATION

APPENDIX B
BACKGROUND INFORMATION

0005F
02-8710-109

PRELIMINARY ASSESSMENT
OFF SITE RECONNAISSANCE
INFORMATION REPORTING FORM

Date: 11-4-87

Site Name: NYS Electric + Gas TDD: 02-8710-108

Site Address: Rte. 14
Street, Box, etc.

Dresden
Town

Yate
County

NY
State

NUS Personnel:

Name	Discipline
Peter Morton	Geology
Mike Gentils	Geology

Weather Conditions (clear, cloudy, rain, snow, etc.):

Drizzle

Estimated wind direction and wind speed: N/A

Estimated temperature: 50°

Signature: Peter Morton Date: 11-9-87

Countersigned: Michael N. Gentils Date: 11-4-87

PRELIMINARY ASSESSMENT

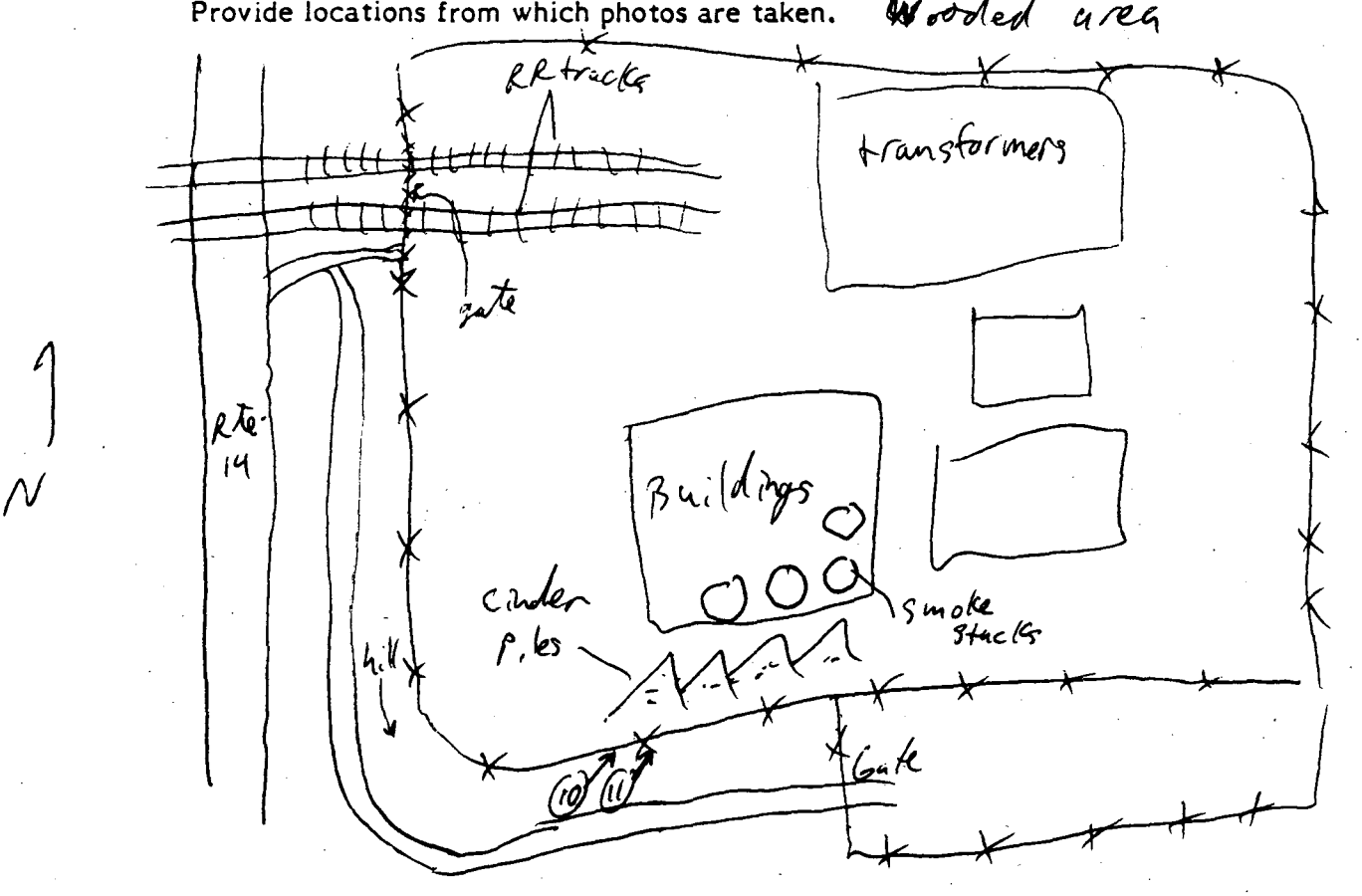
INFORMATION REPORTING FORM

Date: 11-4-87

Site Name: NYS Electric & Gas TDD: 02-8710 - 108

Site Sketch:

Indicate relative landmark locations (streets, buildings, streams, etc.).
Provide locations from which photos are taken.



Signature: Peter J. Porter Date: 11-4-87

Countersigned: Michael N. Hunter Date: 11-4-87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: 11-4-87

Site Name: NYS Electric TDD: 02-8710-108

Notes (Periodically indicate time of entries in military time):

The active NYSEG site is completely fenced, with RR tracks entering site railroad cars on site, large buildings with 4 large smoke stacks, large piles of cinders next to building, surrounding area is forested, hilly, large transformer section

Signature: Peter S. Porter Date: 11-4-87

Countersignature: Michael N. Gallo Date: 11-4-87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: 11-4-87

Site Name: NJS electric + gas TDD: 02-8710-108

Photolog:

Frame/Photo Number	Date	Time	Photographer	Description
P-10	11-4-87		R. Gentile	BSA shots taken from hill at SW corner of site looking NE across site
P-11	"		"	

Attach additional sheets if necessary. Provide site name, TDD number, signature, and countersignature on each.

Signature: Peter. Porter Date: 11-4-87

Countersignature: Michael N. Gentile Date: 11-4-87

NUS CORPORATION AND SUBSIDIARIES — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
	11/12/87	0930

DISTRIBUTION:
File - Yates County PA's

BETWEEN:	OF:	PHONE:
Lester Travis	Yates Co Soil - Water Cons. Service	(315) 536-6233

AND: Peter Morton - NUS

DISCUSSION:

Kenka Park,
Municipal water for Penn Yan, and Dresden is all drawn from Kenka Lake. Mr Travis is not aware of any private wells in the area.

Irrigation in the area is limited to a few small (2-3 acre) strawberry farms near Dundee (Rte 14A 2 mi. north of Dundee) none in the Penn Yan or Dresden area

There are storm sewers in Penn Yan + Dundee ~~(Starkey)~~ PM none in Starkey area.
In Dundee + Starkey municipal water comes from deep wells, he has no knowledge of the aquifer, these wells serve approx 1,500 people

ACTION ITEMS:

NUS 067 REVISED 0685

NYSEG DRESDEN

Lat: 42°40'46"N Long: 76°56'55"W

Data List of Dataset: NYCQ Number of Records = 6

REC #	POP	HOUSE	DISTANCE	SECTOR
1	0	0	0.400000	.25 mi. 1
2	0	0	0.810000	.5 mi. 1
3	627	0	185	0	1.60000	1 mi. 1
4	288	0	103	0	3.20000	2 mi. 1
5	720	221	4.80000	3 mi. 1
6	Σ 2780	1145	401	6.40000	4 mi. 1

NUS CORPORATION
A Halliburton Company

POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

Orange & Rockland Utility
Site Name

NYD000706143
EPA Site ID Number

One Orange and Rockland Road
Town of Monroe, New York 10950
Address

02-8607-13
TDD Number

Date of Site Visit: Off-site reconnaissance conducted 8/8/86

SITE DESCRIPTION

The site is an active electrical transformer station which contains an apparently vacant building. The property is owned by Orange and Rockland Utility, Inc. The site is in a relatively unpopulated area located north of the Village of Monroe, New York. Located approximately 100 ft. downslope of the site, on the other side of Orange-Rockland Road, are the Orange-Rockland Lakes. These lakes are used for recreational fishing.

The site was allegedly used as a transformer storage area for many years. The area of storage is believed to have been paved. It is possible that leakage or spillage of Polychlorinated Biphenyls (PCBs) may have occurred during storage of the transformers on-site. There is however no documented waste spillage or leakage on-site. The FIT II off-site reconnaissance observed no areas of current transformer storage or waste areas on-site.

PRIORITY FOR FURTHER ACTION: High___ Medium___ Low_X_ None___

RECOMMENDATIONS

A site inspection is recommended on a time available basis due to potential threat to nearby fishing waters and groundwater in the area should PCB contamination have occurred. To determine if sampling is needed, Orange and Rockland Utility records should be reviewed to document if significant waste was stored on-site, if spillage did occur and where transformers were stored. An on-site reconnaissance is also recommended to verify all findings of the review.

Prepared by: Stephen Maybury
of NUS Corporation

Date: 9/3/86

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

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY D000706143

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)
Orange & Rockland Utility

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
One Orange-Rockland Road

03 CITY
Town of Monroe

04 STATE: NY
05 ZIP CODE: 10950
06 COUNTY: Orange
07 COUNTY CODE: 071
08 CONG DIST.: 26

09 COORDINATES
LATITUDE: 41° 20" 30'. N
LONGITUDE: 074° 11" 42'. W

10 DIRECTIONS TO SITE (Starting from nearest public road)
Take (Rt. 17) Rt. 6 west to Exit 130 for Rt. 208. Take Rt. 208 toward Monroe. Take the first right on to Orange-Rockland Road. The site is on the left side of the road.

III. RESPONSIBLE PARTIES

01 OWNER (if known)
Orange and Rockland Utility, Inc.

02 STREET (Business, mailing, residential)
One Blue Hill Plaza

03 CITY
Pearl River

04 STATE: NY
05 ZIP CODE: 10965
06 TELEPHONE NUMBER: (914) 627-2582

07 OPERATOR (if known and different from owner)
Same as above

08 STREET (Business, mailing, residential)

09 CITY

10 STATE
11 ZIP CODE
12 TELEPHONE NUMBER: ( )

13 TYPE OF OWNERSHIP (Check one)
X 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: / / ___ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / /
X C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
___ YES DATE: / /
X 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): _____

02 SITE STATUS (Check one)
___ A. ACTIVE X B. INACTIVE ___ C. UNKNOWN

03 YEARS OF OPERATION
BEGINNING ENDING
X UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
There is potential that polychlorinated biphenyls (PCBs) may be present due to leakage or spillage of electrical transformers that were stored on-site. There is no documented waste disposal on-site.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
PCBs if present could potentially contaminate soil, groundwater and nearby Orange-Rockland Lakes. Orange-Rockland Lakes are used for recreational fishing.

IV. 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) X C. LOW (Inspection 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
Diana Messina	U.S. EPA Region II	(201) 321-6685

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Stephen E. Maybury		NUS Corporation	(201) 225-6160	9 / 3 / 86

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY D000706143

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

02 WASTE QUANTITY AT SITE

(Measures of waste quantities must be independent)

TONS Unknown
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- X A. TOXIC
- _ B. CORROSIVE
- _ C. RADIOACTIVE
- X D. PERSISTENT
- _ E. SOLUBLE
- _ F. INFECTIOUS
- _ G. FLAMMABLE
- _ H. IGNITABLE
- _ I. HIGHLY VOLATILE
- _ J. EXPLOSIVE
- _ K. REACTIVE
- _ L. INCOMPATIBLE
- _ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	Unknown		PCBs may have leaked or spilled
IOC	INORGANIC CHEMICALS			during storage of transformers
ACD	ACIDS			on-site.
BAS	BASES			
MES	HEAVY METALS			

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

CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Polychlorinated Biphenyl	1336363	Possible spillage	Unknown	

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Not Applicable		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

Memo from Michael F. DeBonis of EPA to Fred Rubel of EPA, 4/25/80.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY D000706143

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

There is slight potential if PCBs were spilled or leaked from transformers on-site. PCBs are extremely insoluable in water. The alleged transformer storage area is paved. There is possible migration from the paved area to nearby soils. Leaching from soils to groundwater is unlikely.

01. X B. SURFACE WATER CONTAMINATION 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

There is potential if PCBs were deposited on-site. Migration due to runoff to nearby Orange-Rockland Lake, approximately 100 ft. away or to ponds to the northeast of the property is possible.

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

There is minimal potential due to residual waste from spillage or leakage on-site. Any volatile wastes present have probably volitilized off during the years.

01. _ D. FIRE/EXPLOSIVE CONDITIONS 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

There is no potential due to residual amounts of PCBs spilled or leaked during storage of transformers. PCBs are only slightly flammable.

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

There is minimal potential. The site area is fenced, however waste in residual amounts may have migrated by runoff to off-site soil.

01 X F. CONTAMINATION OF SOIL 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 AREA POTENTIALLY AFFECTED: 1.2 (ACRES) 04 NARRATIVE DESCRIPTION

There is potential, if present for waste to migrate from the paved area to on-site and off-site soil.

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

There is slight potential if waste is present for drinking water contamination. Groundwater is used within three mile for municipal and private use, however there is slight potential of migration of PCBs to groundwater. The Village of Monroe and Monroe water districts are supplied by the Mombusha Lake approximately four miles away.

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

There is slight potential, if contaminated soil exists on-site. FIT II off-site reconnaissance noted no activity on-site.

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

The greatest potential is due to the possibility of contamination of nearby recreational fishing waters. There is slight potential of direct contact with possibly contaminated soil and contamination of groundwater.

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

There is potential, if present, for PCBs to migrate via runoff to the nearby lakes and contaminate aquatic plants.

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

There is potential, if present, for PCBs to migrate to nearby lakes and contaminate fish and other fauna. These lakes are used for recreational fishing.

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

There is potential for contamination of fish in nearby lakes which are used for recreational fishing.

01 X M. UNSTABLE CONTAINMENT OF WASTES — 02 _ OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Waste if present on-site is due to spillage or leakage of transformers in an uncontained paved area.

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

There is potential for waste on-site to migrate via runoff to off-site property and lakes.

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

There is potential for contamination of drainage ditchs or storm drains that receive runoff from the site.

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

There is no known dumping on-site.

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

None.

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

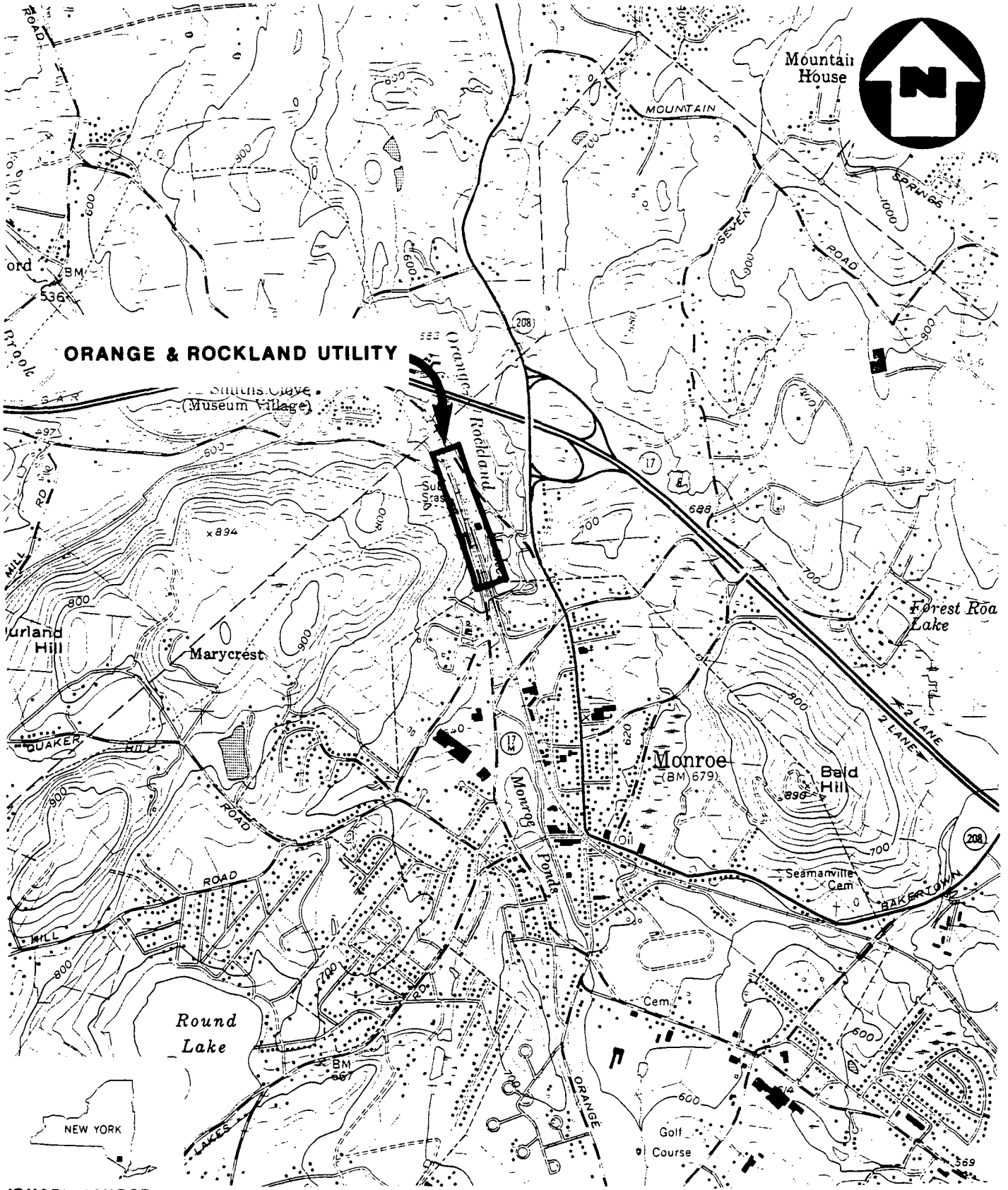
There is no known waste spillage, leakage or dumping on-site. Off-site reconnaissance by FIT II observed no evidence of transformer storage areas on-site.

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

New York State Atlas of Community Water Systems, NY State Department of Health, 1982
Groundwater Basic Data for Orange and Ulster Counties New York US Geological Survey, Bulletin 65, NYDEC, 1970
Health Advisories for 52 Chemical which have been detected in drinking water. US EPA, September 1985
Re: Polychlorinated Biphenyls.
Telecon note between Walter Demick of the NYDEC and Stephen Maybury of NUS, 8/12/86. Re: Orange & Rockland site information.
Telecon note between Dave Score of Orange County Health Department and Stephen Maybury of NUS Corp., 7/31/86. Re: Orange & Rockland site information.
FIT II off-site reconnaissance conducted, 8/8/86.

APPENDIX A

MAPS AND PHOTOGRAPHS



(QUAD) MONROE, N.Y.

FIGURE 1

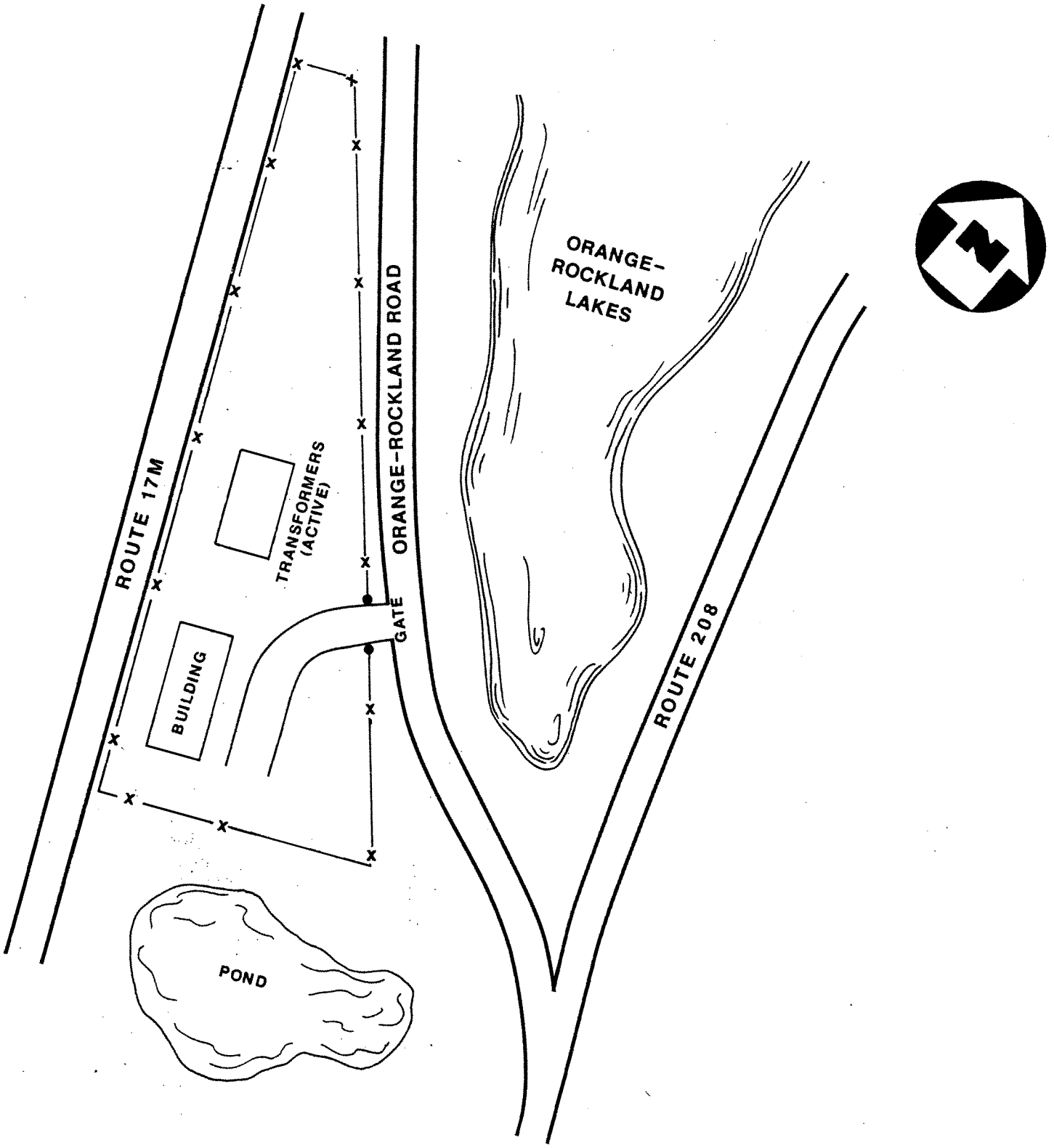
SITE LOCATION MAP

ORANGE & ROCKLAND UTILITY, MONROE, N.Y.

SCALE: 1" = 2000'

NUS CORPORATION

A Halliburton Company



SITE MAP

ORANGE & ROCKLAND UTILITY, MONROE, N.Y.

(NOT TO SCALE)

FIGURE 2

NUS CORPORATION
A Halliburton Company

ORANGE & ROCKLAND UTILITY
MONROE, NEW YORK
TDD #02-8607-03
AUGUST 8, 1986

PHOTOGRAPH INDEX

ORANGE & ROCKLAND UTILITY
MONROE, NEW YORK
TDD #02-8607-03
AUGUST 8, 1986

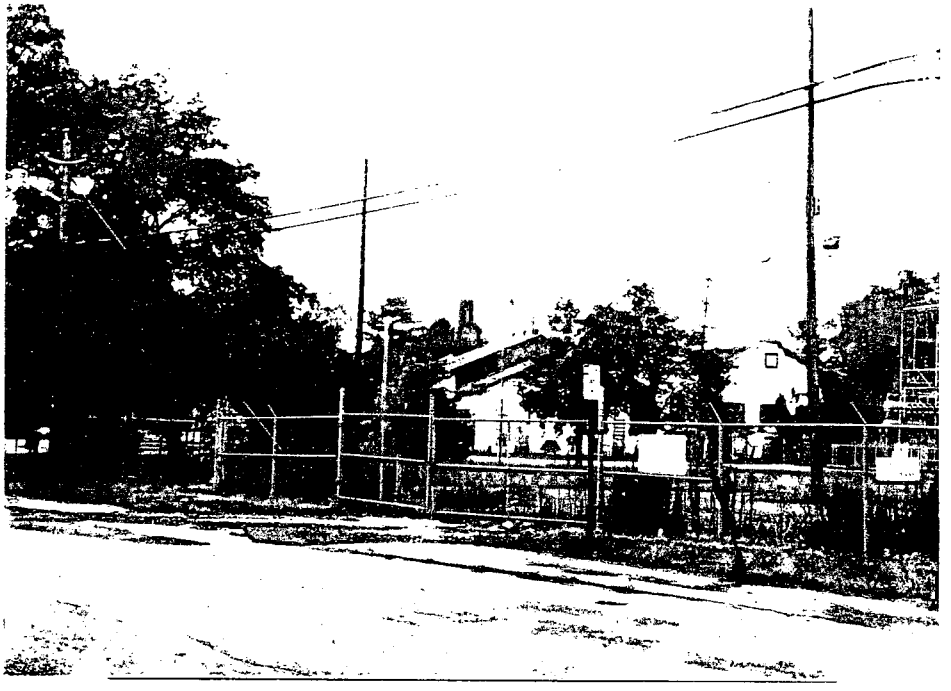
PHOTOGRAPH INDEX

ALL PHOTOGRAPHS TAKEN BY JACK TAYLOR

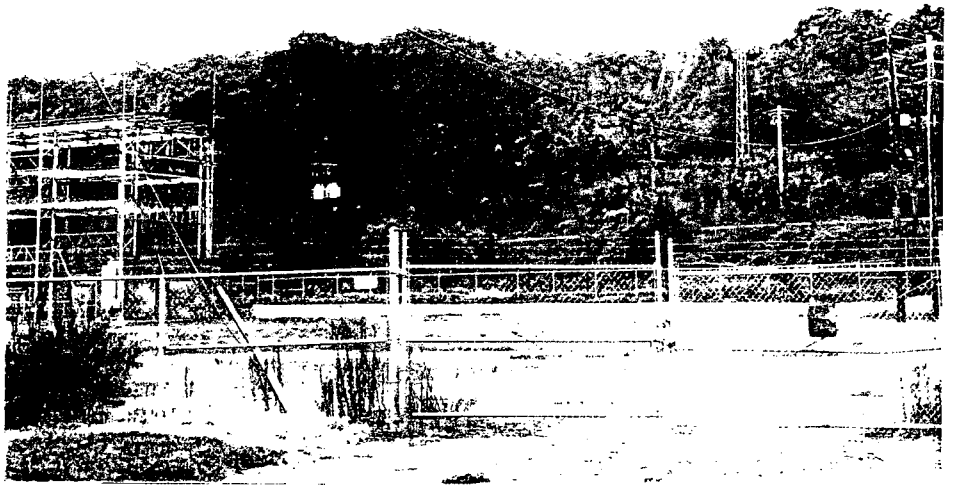
Photo Number	Description	Time
P2-4	Looking west from Orange-Rockland Road at the buildings on the Orange & Rockland Utility property with a pond in the background.	1005
P2-5	A site entrance and electrical station with Route 17M in the background.	1005
P2-6	Looking northwest from Orange - Rockland Road at an electrical station on-site.	1005

NUS CORPORATION

ORANGE & ROCKLAND UTILITY, MONROE, NEW YORK

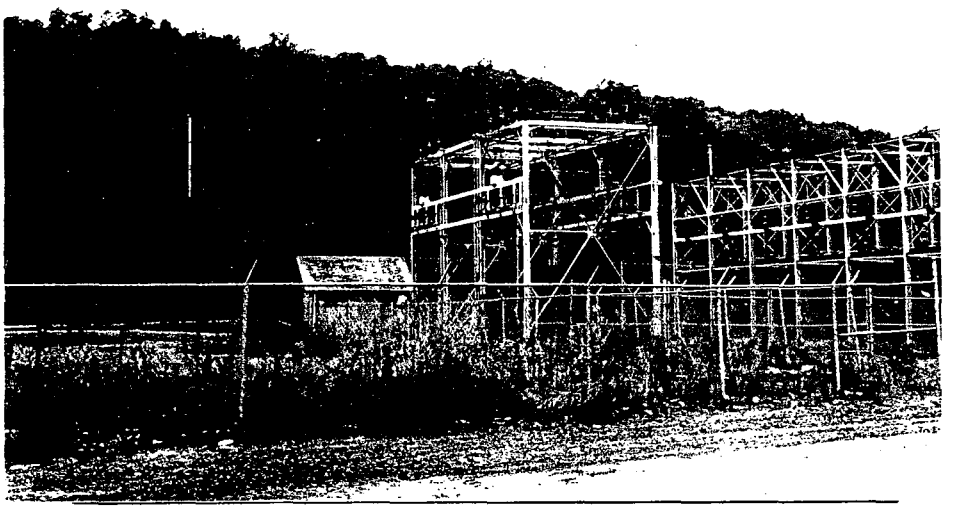


P2-4 August 8, 1986 1005
Looking west from Orange-Rockland Road at the building on the Orange & Rockland Utility property with a pond in the background.
Photographer: J. Taylor



P2-5 August 8, 1986 1005
A site entrance and electrical station with Route 17M in the background.
Photographer: J. Taylor

ORANGE & ROCKLAND UTILITY, MONROE, NEW YORK



P2-6 August 8, 1986 1005
Looking northwest from Orange-Rockland Road
at an electrical station on-site.
Photographer: J. Taylor

APPENDIX B

BACKGROUND INFORMATION

SITE DATA

EPA ID NO.: NYD0007P6143 SHEET 01

(ACTION : *.* - FOR DATA ENTRY USE ONLY)

SF ID: *...* *...* *...* SITE NAME: ORANGE & ROCKLAND UTILITY SOURCE: R SOURCE COUNTS (NOT UPDATABLE)

... *...* STREET: ONE O & R ROAD CONG. DIST.: 26 NOTIS: 0

NATL PRIORITY: N CITY: MONROE ST: NY ZIP: 10950-.... STS: 0

HRS: *.....* CNTY NAME: ORANGE CNTY CODE: 071 HWDMS: 0

HRS DATE (YY/MM): *.../...* LATITUDE: *../../.....* LONGITUDE: *.../...../.....* COMPOSITE: 0

RESPONSE TERMINATION (CHECK ONE IF APPLICABLE): PENDING *.* NO FURTHER ACTION *.* OTHPR: 0

ENFORCEMENT DISPOSITION (CHECK ANY THAT APPLY): NO VIABLE RESPONSIBLE PARTY *.* VOLUNTARY RESPONSE *.*

ENFORCED RESPONSE *.* COST RECOVERY *.*

EVENTS

	(ACTION = FOR DATE ENTRY USE ONLY)	EVENT TYPE	DATE (YY/MM) STARTED	DATE (YY/MM) COMPLETED	CONDUCTED BY EPA	STATE	RESP/PARTY	OTHER	COUNTS
EVENTS	*.*	SITE DISCOVERY (SO)		*.../.*					
	.	PRELIMINARY ASSESSMENT (PA)		*.../.*					
	.	SITE INVESTIGATION (SI)	*.../.*	*.../.*	*.*	*.*			
	.	REMEDIAL ACTION (RO)	*.../.*	*.../.*	*.*	*.*	*.*	*.*	*.*
	.	REMOVAL ACTION (RV)	*.../.*	*.../.*					*.*
ENFORCE EVENTS	*.*	ENFORCEMENT INVESTIGATION (EI)	*.../.*	*.../.*	*.*	*.*		*.*	
	.	ADMINISTRATIVE ORDER (AO)	*.../.*	*.../.*	*.*	*.*		*.*	
	.	JUDICIAL ACTION (JA)	*.../.*	*.../.*	*.*	*.*		*.*	

SPECIAL INVESTIGATION

Name & Address

RANGER ROCKLAND ULITITY
MONROE N Y

Site Number PCB POTENTIA
NONE

Staff Responsible
E. SCHMALZ

County ORANGE

Agency Responsible

___ EPA ___ State ___ None

Preliminary Assessment Rating
N/A

Date of ~~Assessment~~ MEMO 4-25-80

Tentative Disposition

Date of Disposition

Site Inspection Requested	Date of Request	Date of Inspection	Date of Report
✓ Yes ___ No	4-15-80 (MEMO)		

Site Inspection Rating DEBONIS/RJBOK

JRB Rating

Sampling Requested	Date of Request	Date of Sampling	Date of Report
___ Yes ___ No			

Final Strategy Determination -
(based on sampling results)

Date of Determination

Enforcement by EPA

___ Yes ___ No

Date of Case Development Plan

Enforcement Team Leader

Technical Staff -

Legal Staff -

S&A Field Staff -

FIT Staff -

Enforcement Case Filed Date

Administrative Order Issued Date

APR 2 5 1980

Potential PCB Contaminated Site
Orange & Rockland Utility, Monroe, New York

Michael F. DeBonis, Chief
Hazardous Waste Site Investigation Program

Fred Rubel, Chief
Emergency Response Branch

The referenced site is located one (1) mile north of the Town of Monroe on Route 17 behind Museum Village.

The area is paved and belongs to the Orange & Rockland Utility Company which has stored transformers there for many years.

The site is adjacent to two (2) connecting ponds covering an area of about 30 acres. The site is open to the public and is used extensively for fishing by local residents. The ponds are private property and are called Orange & Rockland Lake. There are no restrictions for entering the area.

Joe Hudek of EPA indicated that the area for transformer storage has been in use for many years. It is possible that PCB filled units were stored there and if any spillage or leakage occurred the rain water would enter the two (2) ponds.

During a site visit in the area, it might be feasible to take a grab sample of the ponds for PCB analysis.

cc: Bill Librizzi
Harry Allen
Joe Hudek
Ernie Schmalz

P.S. Fred, if you can't get to this we can handle it as an uncontrolled site but I tend to think of PCB problems as still within your area. Let me know what you decide.

additional reports
can be obtained
in the EPA boxes
for the site
specific region

-clipped sites
only!

NUS CORPORATION — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
02-8607-11, 12, 13	8/12/86	1425

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Walter Demick	NYDEC - Hazardous waste site control	(518) 457-9538

AND: Steve Muff (NUS)

DISCUSSION:

Re: Orange + Rockland Utility / Monroe
" " / Port Jervis
" " / Middletown

He said he has no information on Orange and Rockland Utility sites. The NYDEC is going to meet with the company to discuss the sites in the future (Dec.). He has met with other Utility companies in the area (i.e. Central Hudson G+E) to discuss their plants. They have not had much information due to the length of time since the plants were in use.

ACTION ITEMS:

NUS CORPORATION — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
02-8607-11 02-8607-12 02-8602-13	7-31-86	1605

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Dave Score	Orange County Health	(914) 294-7961

AND: Steve E Mayf (NUS)

DISCUSSION:

Re: Orange + Rockland Utility / Monroe
Orange + Rockland Utility / Port Jervis
Orange + Rockland Utility / Middletown

There is no information on these sites on file.

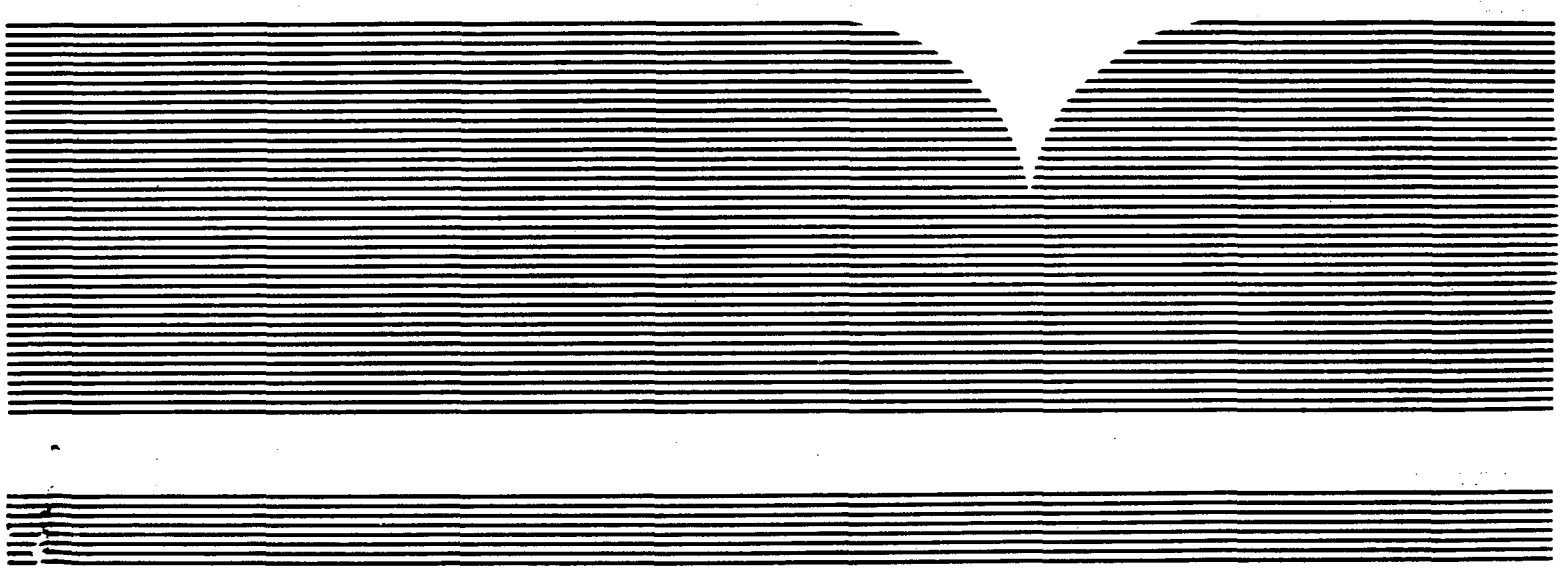
ACTION ITEMS:

PB86-118338

HEALTH ADVISORIES FOR 52 CHEMICALS WHICH HAVE BEEN DETECTED IN DRINKING WATER

U.S. Environmental Protection Agency
Washington, DC

Sep 85



U.S. DEPARTMENT OF COMMERCE
National Technical Infcrmatinn Service
NTIS

This Health Advisory (HA) is based upon information presented in the Office of Drinking Water's Health Effects Criteria Document (CD) for Polychlorinated Biphenyls (U.S. EPA, 1985a). The HA and CD formats are similar for easy reference. Individuals desiring further information on the toxicological data base or rationale for risk characterization should consult the CD. The CD is available for review at each EPA Regional Office of Drinking Water counterpart (e.g., Water Supply Branch or Drinking Water Branch), or for a fee from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Rd., Springfield, VA 22161, PB # PB-118342, $28.95. The toll free number is (800) 336-4700; in Washington, D.C. area: (703) 437-4650.

II. GENERAL INFORMATION AND PROPERTIES

Synonyms

- PCBs, Aroclor, Kenclor

Uses

- As heat exchangers, lubricating fluids, plasticizers, pesticide extenders, adhesives, printing inks and surface coatings.

Properties

- Polychlorinated biphenyls (chlorobiphenyls, PCBs) belong to a class of chemically stable, multi-use industrial chemicals that have been distributed widely in the ecosystem. Technical preparations are complex mixtures of discrete PCB isomers.

- The physical and chemical properties and the chemical formulations of polychlorinated biphenyls vary considerably, depending on the amount and position of chlorine substitution. Such properties as stability, volatility and water solubility are particularly important in regard to rate of occurrence in the environment. The higher chlorinated biphenyls are less volatile than the lower chlorinated biphenyls (Mieure, 1976). Polychlorinated biphenyls are extremely insoluble in water. The solubility of commercial mixtures (for example, the Aroclors) ranges between 25 and 200 ug/liter, depending on the chlorine content (Nisbet and Sarofim, 1972; Haque, et al., 1974). The solubility of discrete PCB isomers has been examined and values range between 1 and 600 ug/liter, depending on the degree of chlorine substitution in the biphenyl ring (Haque and Schmeddig, 1975).

Occurrence

- The polychlorinated biphenyls (PCBs) molecule is defined as being two joined benzene nuclei to which two or more chlorine atoms have been attached. Since there are 10 sites at which the chlorine can attach, 209 different PCB isomers are possible. Generally, PCBs occur as a mixture of these isomers. Prior to 1976, Monsanto, the major U.S. producer, marketed PCBs under the trade mark of Aroclor. The lower

Products of combustion of polyamide-6 in furnace maintained at 800 degrees centigrade (APFRAD 35,461,77)

TOXICITY DATA: 3 CODEN:
ihl-mus LC50:23 mg/m3/10M APFRAD 35,461,77

Reported in EPA TSCA Inventory, 1980.
THR: HIGH ihl.

POLYAMINE D

NIOSH #: TQ 0525000

TOXICITY DATA: 2 CODEN:
skn-rbt 500 mg open MLD UCDS** 4/1/64
eye-rbt 50 mg SEV UCDS** 4/1/64
orl-rat LD50:2590 mg/kg UCDS** 4/1/64
skn-rbt LD50:880 mg/kg UCDS** 4/1/64

THR: MOD orl, skn. Skn and eye irr.
Disaster Hazard: When heated to decomp it emits tox fumes of NO_x.

POLYAMINE T

NIOSH #: TQ 0600000

TOXICITY DATA: 3-1 CODEN:
skn-rbt 500 mg open MLD UCDS** 7/16/65
orl-rat LD50:7460 mg/kg UCDS** 7/16/65
skn-rbt LD50:20 mg/kg UCDS** 7/16/65

THR: HIGH skn; LOW orl. A skn irr.
Disaster Hazard: When heated to decomp it emits tox fumes of NO_x.

beta-POLY(1,3-BUTADIENE)STYRENE, COPOLYMER

CAS RN: 9003558 NIOSH #: WL 6000000

SYN: KOPOLYMER BUTADIEN STYRENOVY (CZECH)

TOXICITY DATA: 2 CODEN:
eye-rbt 500 mg/24H MOD 28ZPAK -,257,72

Reported in EPA TSCA Inventory, 1980.
THR: An eye irr.
Disaster Hazard: When heated to decomp it emits acrid smoke and fumes.

POLYCHLORINATED BIPHENYLS

CAS RN: 1336363 NIOSH #: TQ 1350000

Bp: 340°-375°, flash p: 383°F (COC), d: 1.44 @ 30°. For toxicity information, see individual mixtures below. A series of technical mixtures consisting of many isomers and compounds that vary from mobile oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination and possibly according to batch (IARC** 7,262,74).

SYNS:
AROCLOR
CHLOPHEN
CHLORINATED BIPHENYL
CHLORINATED DIPHENYL
CHLORINATED DIPHENYLENE
CHLOREXTOL
CHLORO BIPHENYL
CHLORO-1,1-BIPHENYL
CLOPHEN
KANECHLOR S
NOFLAMOL
PCBS
PHENOCHLOR
POLYCHLORINATED BIPHENYL
POLYCHLOROBIPHENYL
PYRALENE
PYRANOL
SANTOTHERM
THERMINOL FR-1

TOXICITY DATA:
Carcinogenic Determination: Human Suspected IARC** 18,43,78. *Toxicology Review:* EVHPAZ 1,105,72; JOCMA7 18,109,76; FEPRA7 34,1675,75; ARVPAX 14,139,74; ARPAAQ 94,125,72; CHRYAQ 49(4), 14,76; STEVA8 2(4),305,74; BISNAS 20,958,70; 27ZTAP 3,34,69. Occupational Exposure to Polychlorinated Biphenyls recm std: Air: TWA 1.0 ug/m3 NTIS**. "NIOSH Manual of Analytical Methods" VOL 1 244,253, VOL 2 S121, VOL 4 S120*. NIOSH Current Intelligence Bulletin 7, 1975. Reported in EPA TSCA Inventory, 1980. EPA TSCA 8E No: 07780209-Followup Reply Received as of April, 1979.
THR: A susp hmn CARC. HIGH-MOD acute orl, ihl, skn. Also causes a chloracne. Like the chlorinated naphthalenes, the chlorinated diphenyls have two distinct actions on the body, namely, a skn effect and a toxic action on the liver. The lesion produced in the liver is an acute yellow atrophy. This hepato toxic action of the chlorinated diphenyls appears to be increased if there is exposure to carbon tetrachloride at the same time. The higher the chlorine content of the diphenyl compound, the more toxic is it liable to be. Oxides of chlorinated diphenyls are more tox than the unoxidized materials. The skin lesion is known as chloracne, and consists of small pimples and dark pigmentation of the exposed areas, initially. Later, comedones and pustules develop. In persons who have suffered systematic intoxication, the usual signs and symptoms are nausea, vomiting, loss of weight, jaundice, edema and abdominal pain. Where the liver damage has been severe the patient may pass into coma and die.
Fire Hazard: Slight, when exposed to heat or flame.
Disaster Hazard: Dangerous; when heated to decomp, they emit highly tox fumes.
For further information see PCB's, Vol. 3, No. 4 of *DPIM Report.*

POLYCHLORINATED BIPHENYL (AROCLOR 1221)

CAS RN: 11104282 NIOSH #: TQ 1352000

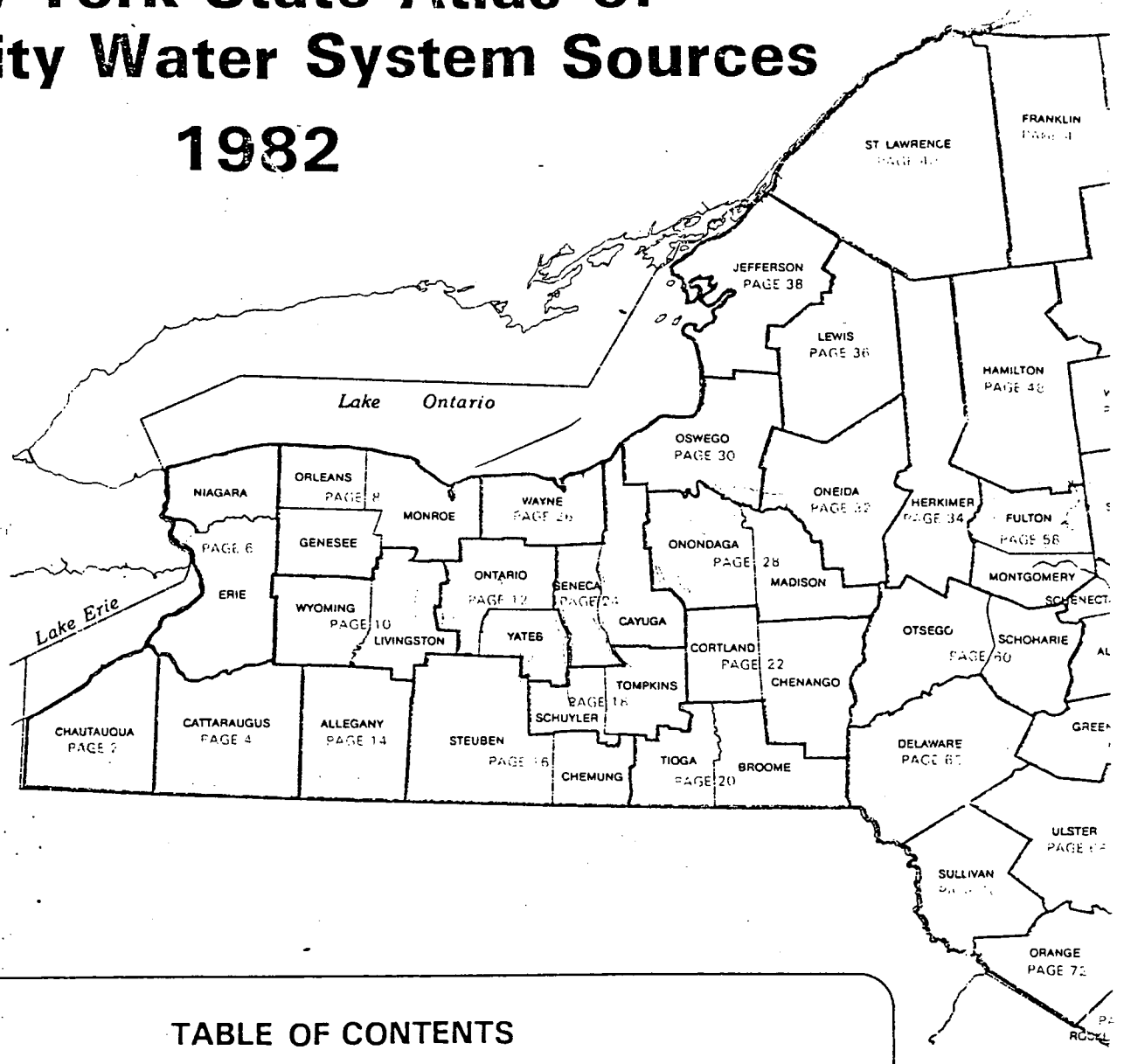
SYNS:
AROCHLOR 1221
CHLORODIPHENYL (21% Cl)

TOXICITY DATA: 2 CODEN:
orl-rbt LD50:3980 mg/kg ARVPAX 14,139,74
skn-rbt LDLo:3169 mg/kg ARVPAX 14,139,74

Carcinogenic Determination: Human Suspected IARC** 18,43,78. *Toxicology Review:* ARVPAX 14,139,74; RREVAH 44,1,73; STEVA8 2(4),305,74; BISNAS 20,958,70. Occupational Exposure to Polychlorinated Biphenyls recm Std: Air: TWA 1.0 ug/m3 NTIS**.
THR: MOD orl, skn. Susp hmn CARC. See also PCB's.
Disaster Hazard: When heated to decomp it emits tox fumes of Cl^-.

New York State Atlas of Community Water System Sources 1982

YORK STATE
ARTMENT OF HEALTH



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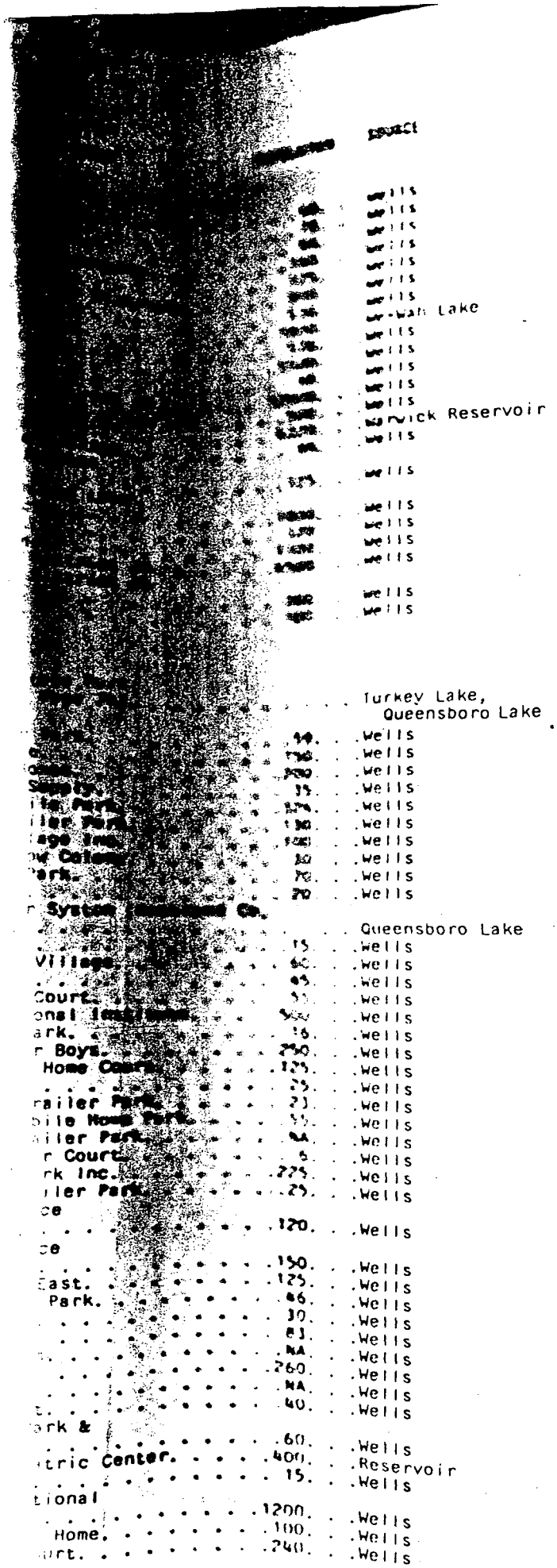
ORANGE COUNTY

ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE
	Municipal Community		
1	Arden Farms Dairy Company	60.	Echo Lake
2	Arrow Park, Inc.	NA.	Wells
3	Beaver Dam Lake Development	400.	Wells
4	Bellvale Park Water District	100.	Wells
*5	Blooming Grove Water District #1	2000.	Wells
*6	Blooming Grove Water District #2 Oxford Heights	80.	Wells
7	Blooming Grove Water District #3	200.	Wells
8	Chester Village	1910.	Walton Lake, Wells
9	Cornwall-on-Hudson, Main Line	3164.	Alec Meadow Reservoir, Arthurs, Tamarac, & Sphagnum Ponds
10	Cornwall-on-Hudson, Mt. Line	300.	Upper Reservoir
11	Deer Park Manor	400.	Wells
12	Denton Hills	130.	Wells
13	Drew Road Association	50.	Wells
14	Eurich Heights	200.	Wells
15	Fleetwood Manor - Holiday Park	225.	Wells
16	Florida Water Works	2000.	Glenmere Lake
17	Forest Knolls	400.	Wells
18	Goshen Village	5000.	Goshen Reservoir
19	Goshen Water District #2 (Arcadia Hills)	750.	Wells
20	Goshen Water District #1	500.	Wells
21	Greater Display & Wire Forming	75.	Wells
22	Greenwood Lake Village	2150.	Wells
23	Harriman Village	1800.	Wells
24	Hidden Valley Estates	200.	Wells
25	Highland Falls Village	5500.	Bog Meadow Pond
26	Hill Lake Estates	40.	Wells
27	Hillcrest Heights	25.	Wells
28	Hillside Acres	80.	Wells
29	Indian Kill	2000.	Indian Kill
30	J. Ludlam Water Supply	15.	Wells
31	Keystone Park	150.	Wells
32	King Tract	200.	Wells
*33	Kiryas Joel	2500.	Wells
34	Lake Hill Farms Water District	360.	Wells
35	Lake Linda	30.	Wells
36	Lake Vue Park Water District	160.	Wells
37	Lakewood Homes	60.	Wells
38	Lincoln Park	32.	Wells
39	Lorelei Lake	150.	Wells
40	Maple Brook	160.	Wells
41	Maybrook Village	2500.	Wells
*42	Merriwold Water Company	1600.	Wells
43	Middletown City	21454.	Monhagen, Highland & Shawangunk Lakes
44	Monroe Hills Estates	120.	Wells
45	Monroe Village	6000.	Lake Mombasha
46	Monroe Water District #1 (High Ridge)	NA.	Lake Mombasha
47	Monroe Water District #2 (Sterling Manor)	90.	Wells
48	Montgomery Village	2320.	Wells
49	Mountain Lodge Park Development	1600.	Wells
50	Mountain View Estates	250.	Wells
51	New Vernon Estates	150.	Wells
52	New Windsor Consolidated Water District	12000.	Wells
53	Newburgh City	23488.	Lake Washington
54	Newburgh Consolidated Water District	9000.	Chadwick Lake
55	Orange Lake Development Company	20.	Wells
*56	Orchard Hill	174.	Wells
57	Orchard Hill Water District	80.	Wells
58	Orchard Lake Park	250.	Wells
59	Painted Apron Village	16.	Wells
60	Pheasant Hill	150.	Wells
61	Pine Bush Water District	1500.	Wells
62	Pine Island Water Company	50.	Wells
63	Port Jervis City	8500.	Reservoirs
64	Ridgebury Lake Acres	60.	Wells
65	Robin Meadows	126.	Wells
66	Rural Ridge Water District	300.	Wells
67	Scheller Water Supply	25.	Wells
68	Scotchtown Park	180.	Wells
69	Scott Acres	120.	Wells
*70	Skyview Hills	450.	Wells
71	Slate Hill (Green)		
72	Squirrel Hills		
73	Star Industries		
74	Stone Hedge Water Co		
75	Sugar Loaf Hills		
76	Surrey Meadow Water Dis		
77	Tappan Homes		
78	Tuxedo Park Village		
79	Unionville Village		
80	Walden Village		
81	Wallkill Heights		
82	Wallkill Water District		
83	Walton Lake Estates		
84	Warwick Village		
85	Washingtonville Village		
86	Wawayanda Development Corporation		
87	West Side Greenwood Lake Water District		
88	Whitlock Farms		
89	Wickham Village		
90	Woodbury Water District		
91	Woodbury Water District (Amdor Park)		
92	Woodland Acres		
	Non-Municipal Community		
93	Bear Mountain State Park (Rockland Co, Page 74)		
94	Bel-Air Trailer Park		
95	Brittany Terrace		
96	Butler Mobile Homes		
97	Campbell Water Supply		
98	Candlestick Mobile Park		
99	Castle High Trailer Park		
100	Crystal Run Village Inc.		
101	Dicker's Bungalow Colony		
102	Dombal Trailer Park		
103	Donovan's Place		
104	Doodletown Water System (Page 74)		
105	Fair Mead Farm		
106	Fairlawn Mobile Village		
107	Falkirk Hospital		
108	Fancher Trailer Court		
109	Federal Correctional Inst		
110	Gillen Trailer Park		
111	Goshen Center for Boys		
112	Greenwood Mobile Home Cou		
113	H A Harris, Inc.		
114	Hampton Realty Trailer Par		
115	Hill and Dale Mobile Home		
116	Hilltop Haven Trailer Park		
117	Hogencamps Trailer Court		
118	Holiday Mobile Park Inc.		
119	Hudson Valley Trailer Park		
120	Hudson View Terrace (Lower Section)		
121	Hudson View Terrace (Upper Section)		
122	Huguenot Estates East		
123	K & M Mobile Home Park		
124	Kaylake Lodge		
125	Kimball Farms		
126	Lage Country Homes		
127	Lamplight Village		
128	M G U Realty		
129	Mary Crest Convent		
130	Mason's Trailer Park & Apartments		
131	Mid-Hudson Psychiatric Cent		
132	Mid-Lake Park		
133	Mid-Orange Correctional Facility		
134	Montgomery Nursing Home		
135	Mt Airy Trailer Court		

ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE
	Municipal Community		
71	Slate Hill (Green)	40.	Wells
72	Squirrel Hills	78.	Wells
73	Star Industries	NA.	Wells
74	Stone Hedge Water Company	160.	Wells
75	Sugar Loaf Hills	175.	Wells
76	Surrey Meadow Water District	900.	Wells
77	Tappan Homes	536.	Wells
78	Tuxedo Park Village	1800.	We-Wah Lake
79	Unionville Village	576.	Wells
80	Walden Village	5500.	Wells
81	Wallkill Heights	48.	Wells
82	Wallkill Water District #1	12000.	Wells
83	Walton Lake Estates	500.	Wells
84	Warwick Village	4320.	Warwick Reservoir
85	Washingtonville Village	NA.	Wells
86	Wawayanda Development Corporation	125.	Wells
87	West Side Greenwood Lake Water District	1800.	Wells
88	Whitlock Farms	120.	Wells
89	Wickham Village	1100.	Wells
90	Woodbury Water District #1	4500.	Wells
91	Woodbury Water District #6 (Amdor Park)	360.	Wells
92	Woodland Acres	100.	Wells
	Non-Municipal Community		
93	Bear Mountain State Park (Rockland Co, Page 74)		Turkey Lake, Queensboro Lake
94	Bel-Air Trailer Park	59.	Wells
95	Brittany Terrace	150.	Wells
96	Butler Mobile Homes	200.	Wells
97	Campbell Water Supply	35.	Wells
98	Candlestick Mobile Park	324.	Wells
99	Castle High Trailer Park	130.	Wells
100	Crystal Run Village Inc	100.	Wells
101	Dicker's Bungalow Colony	30.	Wells
102	Dombal Trailer Park	70.	Wells
103	Donovan's Place	20.	Wells
104	Doodletown Water System (Rockland Co, Page 74)		Queensboro Lake
105	Fair Mead Farm	15.	Wells
106	Fairlawn Mobile Village	60.	Wells
107	Falkirk Hospital	45.	Wells
108	Fancher Trailer Court	55.	Wells
109	Federal Correctional Institute	500.	Wells
110	Gillen Trailer Park	16.	Wells
111	Goshen Center for Boys	250.	Wells
112	Greenwood Mobile Home Court	125.	Wells
113	H A Harris, Inc	25.	Wells
114	Hampton Realty Trailer Park	23.	Wells
115	Hill and Dale Mobile Home Park	55.	Wells
116	Hilltop Haven Trailer Park	NA.	Wells
117	Hogencamps Trailer Court	6.	Wells
118	Holiday Mobile Park Inc	225.	Wells
119	Hudson Valley Trailer Park	25.	Wells
120	Hudson View Terrace (Lower Section)	120.	Wells
121	Hudson View Terrace (Upper Section)	150.	Wells
122	Huguenot Estates East	125.	Wells
123	K & M Mobile Home Park	46.	Wells
124	Kaylake Lodge	30.	Wells
125	Kimball Farms	83.	Wells
126	Lage Country Homes	NA.	Wells
127	Lamplight Village	260.	Wells
128	M G U Realty	NA.	Wells
129	Mary Crest Convent	40.	Wells
130	Mason's Trailer Park & Apartments	60.	Wells
131	Mid-Hudson Psychiatric Center	400.	Reservoir
132	Mid-Lake Park	15.	Wells
133	Mid-Orange Correctional Facility	1200.	Wells
134	Montgomery Nursing Home	100.	Wells
135	Mt Airy Trailer Court	240.	Wells
136	Mt Hope Foundation-Reside		
137	Mt Orange Trailer Park		
138	NYU Housing Sterling Forr		
139	Old 9-W Realty Corp		
140	Otisville Rehabilitation Center		
141	Pine Grove Trailer Park		
142	Pius XII School		
143	Rock Terrace Trailer Park		
144	Schefcick Trailer Park		
145	Silver Stream Trailer Cou		
146	Sleepy Hollow Mobile Park		
147	Sosa Water Supply		
148	South Maple Estates		
149	Southfields Heights Apart		
150	Spruce Lodge		
151	St Patrick's Villa Group		
152	St Patrick's Semi-Militar Academy		
153	Stoney Ford Trailer Park		
154	Sunset Haven		
155	Sunset Trailer Court		
156	Thompsons Trailer Court		
157	Tri-State Trailer Park		
158	U S M A - Stony Lonesome System		
159	US Military Academy Lusk System		
160	Valley View Park		
161	Walden Mobile Home Associ		
162	Walters Trailer Village		
163	Warwick Garden Apartments		
164	Wawayanda Trailer Park		



ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE
	Non-Municipal Community		
136	Mt Hope Foundation-Residence	35	Wells
137	Mt Orange Trailer Park	40	Wells
138	NYU Housing Sterling Forrest	120	Wells
139	Old 9-W Realty Corp	30	Wells
140	Otisville Rehabilitation Center	NA	Bear Swamp
141	Pine Grove Trailer Park	250	Wells
142	Pius XII School	95	Wells
143	Rock Terrace Trailer Park	110	Wells
144	Schefcick Trailer Park	36	Wells
145	Silver Stream Trailer Court	105	Wells
146	Sleepy Hollow Mobile Park	620	Wells
147	Sosa Water Supply	25	Wells
148	South Maple Estates	50	Wells
149	Southfields Heights Apartments	200	Wells
150	Spruce Lodge	350	Wells
151	St Patrick's Villa Group	42	Wells
152	St Patrick's Semi-Military Academy	122	Wells
153	Stoney Ford Trailer Park	30	Wells
154	Sunset Haven	NA	Wells
155	Sunset Trailer Court	36	Wells
156	Thompsons Trailer Court	35	Wells
157	Tri-State Trailer Park	35	Wells
158	U S M A - Stony Lonesome System	12000	Long Pond, Lake
159	US Military Academy Lusk System	NA	Popolopen Queensbo
160	Valley View Park	150	Wells
161	Walden Mobile Home Association	36	Wells
162	Walters Trailer Village	225	Wells
163	Warwick Garden Apartments	33	Wells
164	Wawayanda Trailer Park	35	Wells

GROUND-WATER BASIC DATA ORANGE AND ULSTER COUNTIES NEW YORK

by
Michael H. Frimpter
U.S. Geological Survey

State of New York
Conservation Department

WATER RESOURCES
COMMISSION

BULLETIN GW-65

Table 2.--Lithologic logs of wells and test borings (Continued)

Table 2.--Lithologic logs of wells and test borings (Continued)

120-407-3
120-407-4
20-407-5
0-407-6
)-407-7
-406-e
-433-a
426-b
16-2
15-1
5-3
-a
-2
3

Table 1.--Records of selected wells and springs (Continued)

Well number	Owner's name	Reported yield (gallons per minute)	Use	Method of construction; completion	Depth of well (feet)	Diameter (inches)	Length of casing (feet)	Aquifer	Water level: Below land surface (feet)	Water level: Date	Topographic situation	Altitude above sea level (feet)	Remarks
121-423-4	New York State	40	I	-- --	r47	6	--	Sand	0.4	4/20/65	VF	383	Log; static water level 3.3 ft above land surface 2/20/57; backfilled 3 ft.
121-421-1	Hazel Construction Co.	10	D	Dr; DH	r300	6	110	Shale	--	--	Hs	610	Log.
121-420-1	Soloman Reichman	300	T	-- --	235	6	68	do.	.0	11/10/65	Hs	535	Harder rock and water 175 to 235 ft.
121-417-1	Chester Rendering Corp.	10	C	-- --	r450	8	--	do.	--	--	Ht	525	
-2	do.	30	C	-- --	r285	6	--	do.	--	--	Ht	525	
121-416-1	Village of Chester	370	P	Dr; S	41	8	33	Sand and gravel	7.3	12/10/65	VF	460	dd 10 after pumping 5 3/4 hours; log; backfilled 27 ft.
121-415-1	do.	30	T	Dr; OE	70	6	70	do.	4.9	12/ 2/65	Hs	440	Log; backlilled 2 ft.
121-413-1	Evans Dairy Co.	30	C	Dr; DH	r165	6	40	?	r15	6/ /64	Ter	530	
121-411-1	Osmond Kasch	7	D	Dr; OE	r86	6	86	Sand	--	--	Ht	620	
121-410-1	H. Y. Prov. Order of the Society of Jesus	50	I	Dr; OH	r260	8	--	Sandstone	r40	6/ 3/57	Hs	1,000	Anal.
121-406-1	Trail Water Co.	10	P	-- --	r287	6	15	?	--	--	Ht	720	
121-358-1	William A. Brunelly	57	C, D	-- --	r140	8	--	Crystalline	--	--	Hs	170	Iron.
120-437-1	Adam Heinemann	25	D	-- --	r156	6	--	Shale	--	--	Hs	970	
-2	Walter Heinemann	--	D	Du; P	21	36	21	?	17.3	7/30/62	Hs	970	Temp 10 7/30/62.
120-433-1	Warren Ford	8	P	Dr; OH	r183	6	93	Shale	flows	9/14/65	Hs	660	Iron; water-bearing fractures at 104 and 117 ft.
-2	John Tjepkema	--	A, D	-- --	r195	6	--	do.	flows	9/14/65	Ht	690	
120-432-1	Mrs. Lelia Davis	35	D	Dr; OE	131	6	135	Gravel	30.3	7/17/64	Hs	525	Log; backfilled 4 ft.
-2	William Korman	10	D	Dr; DE	r155	6	155	Sand and gravel	--	--	Ht	540	
-3	James Morrison	15	A	Dr; DH	r200	7	65	Shale	r15	7/17/64	VF	475	H_2S; log; had 5 gpm in gravel at 25 ft.
-4	Arthur Deutsch	15	D	-- --	r265	6	115	do.	--	--	Hs	530	H_2S; water turbid.
-5	Lawrance Hansen	5	A, D	-- --	r128	7	41	do.	r20	1962	Hs	470	
120-429-1	Warren Turf Co.	--	A, D	Du; P	21	26	21	Sand	15.7	7/15/64	VF	400	Temp 9.2 7/15/64.
-2	Gordon Butterfield	12	A	Dr; DH	r104	6	30	Shale	--	--	Hs	440	
-3	Harry Carter	--	A, D	-- --	r130	6	--	do.	8.8	7/15/64	Hs	435	
-4	do.	--	A, D	-- --	13	6	--	?	7.9	7/15/64	VF	430	
-5	Mrs. Loraine Ford	--	A, D	Dr; DH	r120	6	--	Shale	33.4	7/21/64	Hs	510	Pumping when water level was measured.
120-428-1	Mrs. Mary Kopple	5	D	Dr; DH	r85	6	--	Carbonate	--	--	VF	405	35 ft deep and flowing when first drilled; redrilled in 1935.
-2	Herman Mack	--	D	-- --	r176	6	81	do.	--	--	Hs	420	Iron; gravel in overburden.
120-427-1	Blue Grass Lawn Farms	5	D	Dr; DE	r75	6	75	Gravel	--	--	Ht	425	Log.
-2	Mrs. Mary Kopple	--	D	Dr; DH	r50	6	--	Carbonate	--	--	Hs	420	
-3	Henry Butryn	15	D	Dr; OE	r33	8	33	Gravel	r13	1960	Hs	400	Log.

Table 1.--Records of selected wells and springs (Continued)

Well number	Owner's name	Reported yield (gallons per minute)	Use	Method of construction; completion	Depth of well (feet)	Diameter (inches)	Length of casing (feet)	Aquifer	Water level: Below land surface (feet)	Water level: Date	Topographic situation	Altitude above sea level (feet)	Remarks
120-423-1	Joseph Nizolek	10	D	Dr; OH	r130	6	127	Carbonate	--	--	Hs	410	Bedrock at 106 ft; cased from 106 to 127 ft to seal off muddy seam.
120-421-1	William Rosenberg	49	C	-- --	r411	7	51	Shale	--	--	VF	400	
-2	do.	35	C	-- --	r203	7	51	do.	--	--	VF	400	
120-417-1	A. W. Hollenbeck, Inc.	35	C	-- --	r206	6	5	do.	--	--	Hs	530	
-2	Martin Smith	1	D	-- --	r150	6	--	do.	r40	1957	VF	495	
-3	Town of Goshen	14	T	Dr; S	r37	6	32	Sand and gravel	r3.6	--	VF	480	dd 14.5 after pumping 1 hour; log; reported rock at 35 1/2 ft.
-4	do.	44	T	-- --	r38	6	32	do.	r4.9	--	VF	480	dd 24 after pumping 3 1/2 hours; log; reported rock at 41 ft; backfilled 3 ft.
-5	do.	44	T	-- --	r26	6	21	do.	r1.5	--	VF	480	dd 23.2 after pumping 2 3/4 hours; log; reported rock at 36 ft; backfilled 10 ft.
-6	Percey Baird and Sons	10	T	Dr; OE	69	6	70	do.	5.9	7/15/65	VF	485	Log; sand and gravel heaved 20 ft at 60 ft depth; filled in 1 ft.
-7	Village of Chester	350	P	Dr; S	61	8	41	do.	11.8	1965	VF	480	dd 10 after pumping 23 1/2 hours; iron; log; water levels in ponds near well dropped 6 inches and 3 inches; chloride content reported greater than 500 milligrams per liter.
-8	do.	--	T	Dr; OE	69	6	70	Gravel	5.1	12/13/65	Hs	480	Log; backfilled 6 ft.
-9	do.	460	P	Dr; S	110	8	100	Sand and gravel	+1.5	2/ /66	VF	470	dd 80 after pumping 140 hours; log; pumping causes drawdown in well 120-417-6, 1.3 ft after 100 hours; backfilled 17 ft.
-10	do.	--	O, T	Dr; OE	r115	6	115	Till	+.5	3/22/66	VF	470	Water level apparently unaffected while pumping well 120-417-9.
120-414-1	Palisades Interstate Park Comm.	--	D	Dr; OH	107	6	12	Sandstone	27.6	6/ 4/64	Hs	490	
-2	do.	--	D	-- --	55	6	--	Quartzite	25.4	7/30/64	Ht	590	
120-413-1	do.	--	C	-- --	200	6	65	Shale	+23.0	4/25/66	VF	430	Temp 10.6 6/15/64; water enters well at 180 ft.
-2	Jim Irving	5	D	-- --	63	6	--	Red sandstone and shale	10.4	7/16/64	Hs	510	Iron.
-3	Palisades Interstate Park Comm.	--	O	Du; P	37	36	37	Till	14.6	10/ 7/64	Hs	540	Temp 10.5 at 24 ft 10/7/64.
120-412-1	Olaf Jacobsen	4	O	Dr; OH	r107	6	--	?	--	--	Hs	510	
-2	Vernon Lybolt, Sr.	12	O	-- --	r200	6	--	?	r20	1960	Hs	530	
120-409-1	John Dornes	8	D	-- --	199	6	--	Sandstone	57.6	5/22/63	Hs	640	
-2	do.	5	O	-- --	138	6	--	do.	66.5	5/22/63	Hs	690	
120-407-1	Town of Woodbury	400	P	Dr; S	r115	12	80	Sand	r+1.5	11/ /62	VF	470	dd 27 after pumping 504 hours; log; 1,000 gpm possible; backfilled 2 ft.
-2	do.	300	P	-- --	r134	12	94	do.	r+4	11/ /62	VF	470	dd 70; log; backfilled 2 ft.
-3	do.	550	T	-- --	r76	12	56	Sand and gravel	--	--	VF	466	dd 20 after pumping 168 hours; log; pumping of this well and wells 120-407-1 and 2 caused the water level in a pond 0.4 mile to the north to decline about 1 inch per day; backfilled 8 ft.

02-8710-15-PA
REV. 0

PRELIMINARY ASSESSMENT
NIAGARA MOHAWK CREW LOC.
SCHENECTADY, NEW YORK

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-8710-15
CONTRACT NO. 68-01-7346

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

NOVEMBER 23, 1987

NUS CORPORATION
SUPERFUND DIVISION

SUBMITTED BY

Elizabeth M. Torpey
ELIZABETH M. TORPEY
PROJECT MANAGER

REVIEWED/APPROVED BY

Ronald M Naman
RONALD M. NAMAN
FIT OFFICE MANAGER

NUS CORPORATION

POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

02-8710-15-PA

Niagara Mohawk Crew Loc.
Site Name

NYD980664346
EPA Site ID Number

Seneca Street
Address

02-8710-15
TDD Number

Date of Site Visit: October 21, 1987

SITE DESCRIPTION

Niagara Mohawk Crew Location is located on Seneca Street., Schenectady, Schenectady County, New York. It is situated in a slightly residential, heavily industrial section of the city, approximately 1/2 mile from the Mohawk River.

This property is the site of a former gas compressor and gas holder. These types of facilities have histories of improper PCB disposal. There is also potential for PCB spills from transformers and capacitors stored on-site which were observed during a October 21, 1987 NUS Corporation off-site reconnaissance.

A background search with the New York State Department of Environmental Conservation and State and local health departments revealed no known information of hazardous substances present at this site.

PRIORITY FOR FURTHER ACTION: High __ Medium X No Further Action __

RECOMMENDATIONS

Because of the history of improper PCB disposal at former gas compressor stations, a site inspection is recommended involving the sampling of soil, surface water and groundwater, if possible.

Prepared by: Elizabeth Torpey
of NUS Corporation

Date: 11/23/87

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	0980664346

II. SITE NAME AND LOCATION

01 SITE NAME *(Legal, common, or descriptive name of site)*	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Niagara Mohawk Crew Location	Seneca Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Schenectady	NY	12301	Schenectady	93	23

09 COORDINATES LATITUDE	LONGITUDE
42°49'33"N	073°55'39"W

10 DIRECTIONS TO SITE *(Starting from nearest public road)*

Take the New York State Thruway to exit 25. Take 890 N to Erie Blvd. Make a right onto Seneca Street. The site is on the right after the railroad tracks.

III. RESPONSIBLE PARTIES

01 OWNER *(if known)*	02 STREET *(Business, mailing, residential)*
Niagara Mohawk	300 Erie Blvd.

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Syracuse	NY	13202	(315) 474-1511

07 OPERATOR *(if known and different from owner)*	08 STREET *(Business, mailing, residential)*

09 CITY	04 STATE	11 ZIP CODE	12 TELEPHONE NUMBER

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 103c)* DATE RECEIVED: _____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01. ON SITE INSPECTION

☐ YES DATE: _____ 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): _____

02 SITE STATUS *(Check one)*

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1930 BEGINNING YEAR / still active ENDING YEAR ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

There is no conclusive evidence of hazardous substances ever being disposed of at this site; however, it is a former gas compresser station. These types of facilites (See Attachment A)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

If there were PCB's present that migrated to the nearby Mohawk River, there would be potential for surface water contamination. The Mohawk River is used for recreation.

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)*	08 TELEPHONE NUMBER
Diana Messina	U.S. EPA, Region 2, Edison, New Jersey	(201) 321-6776

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Elizabeth Torpey	U.S. EPA	NUS Corp., FIT 2	(201) 225-6160	11/23/87

ATTACHMENT A

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

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

have histories of improper PCB disposal. Transformers and capacitors, which contain PCB's were observed on-site during a NUS Corporation off-site reconnaissance on 10-21-87.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D980664346

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)*

TQNS _____
CUBIC YARDS Unknown
NO. OF DRUMS _____

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

Unknown

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
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

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)*

New York State Department of Environmental Conservation, Region 4.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: D980664346

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION

There is potential for groundwater contamination if there are PCB's present on site. However, groundwater is not used as a potable source in the area.

01 [X] B. SURFACE WATER CONTAMINATION
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 88,000
04 NARRATIVE DESCRIPTION

There is potential for surface water contamination if there are PCB's present on site. Storm water runoff may migrate to the Mohawk River. The Mohawk River is located approximately 1/2 mile downslope of the site, and is used for recreation.

01 [X] C. CONTAMINATION OF AIR
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 123,000
04 NARRATIVE DESCRIPTION

Air contamination would be possible if there were contaminants present that, if disturbed, would become airborne.

01 [X] D. FIRE/EXPLOSIVE CONDITIONS
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 50,000
04 NARRATIVE DESCRIPTION

If there were PCB's present that were contained improperly, there would be potential for fire explosive conditions, as PCB's are slightly flammable.

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

There is no potential for direct contact, as the site is entirely fenced.

01 [X] F. CONTAMINATION OF SOIL
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED: Unknown (Acres)
04 NARRATIVE DESCRIPTION

Soil contamination would be possible if PCB's are present on site that may leak or spilled onto the ground. Stained soil was observed during an NUS Corp. off-site reconnaissance on 10/21/87.

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

There is no potential for drinking water contamination. Drinking water for the city of Schenectady comes from wells more than 3 miles away.

01 [X] H. WORKER EXPOSURE/INJURY
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: Unknown
04 NARRATIVE DESCRIPTION

Worker exposure/injury would be possible if there were PCB's present that were available for direct contact. According to a 10-21-87 NUS off-site reconnaissance, on 10/21/87, the site is currently active.

01 [X] I. POPULATION EXPOSURE/INJURY
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 123,000
04 NARRATIVE DESCRIPTION

If there were PCB's present that migrated to the surface water, there would be potential for population exposure/injury. Surface water is used for recreation in the area.

EPA POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER: D980664346

II. HAZARDOUS CONDITIONS AND INCIDENTS *(CONTINUED)*

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

If there were PCB's present that migrated to the surface water, there would be potential for damage to aquatic vegetation. The Mohawk River is approximately 1/2 mile downslope of the site.

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

If there were PCB's present that migrated to the surface water, there would be potential for damage to aquatic organisms. The Mohawk river is approximately 1/2 mile downslope of the site.

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

If there were PCB's present that migrated to the nearby Mohawk River there would be potential for contamination of the foodchain. PCB's have known bioaccumulative properties.

01 [X] M. UNSTABLE CONTAINMENT OF WASTES *(Spills, Runoff, Standing liquids, Leaking drums)* — 02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 13,000
04 NARRATIVE DESCRIPTION

There is a slight potential for unstable containment of wastes if there are PCB's present that may leak or were spill.

01 [X] N. DAMAGE TO OFF-SITE PROPERTY — 02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

There is a slight potential for damage to off-site property if there were PCB's present that migrated to adjacent properties. The site is located in a slightly residential, heavily industrial area.

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

If there were PCB's present that were available for migration, there would be potential for contamination of storm drains. The presence of storm drains was observed during a NUS Corporation off-site reconnaissance 10-21-87.

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

There is no potential for illegal/unauthorized dumping, as the site is entirely fenced.

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

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 123,000

IV. COMMENTS

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

New York State Department of Environmental Conservation. // General Sciences Corporation, Graphic Exposure Modeling Systems (GEMS) Landover, Maryland, 1986. // U.S. Department of the Interior, Geological Survey Topographic Map, 7.5 minute series, "Schenectady Quadrangle, NY", 1954, revised 1980. // Telecon Note: Conversation between Richard Lilley, Superintendent, Schenectady Water Department, and Elizabeth Torpey, NUS Corporation, November 23, 1987. // Telecon Note: Conversation between John Cunnan, New York State Health Department, and Elizabeth Torpey, NUS Corporation, December 1, 1987. (See Attachment B)

ATTACHMENT B

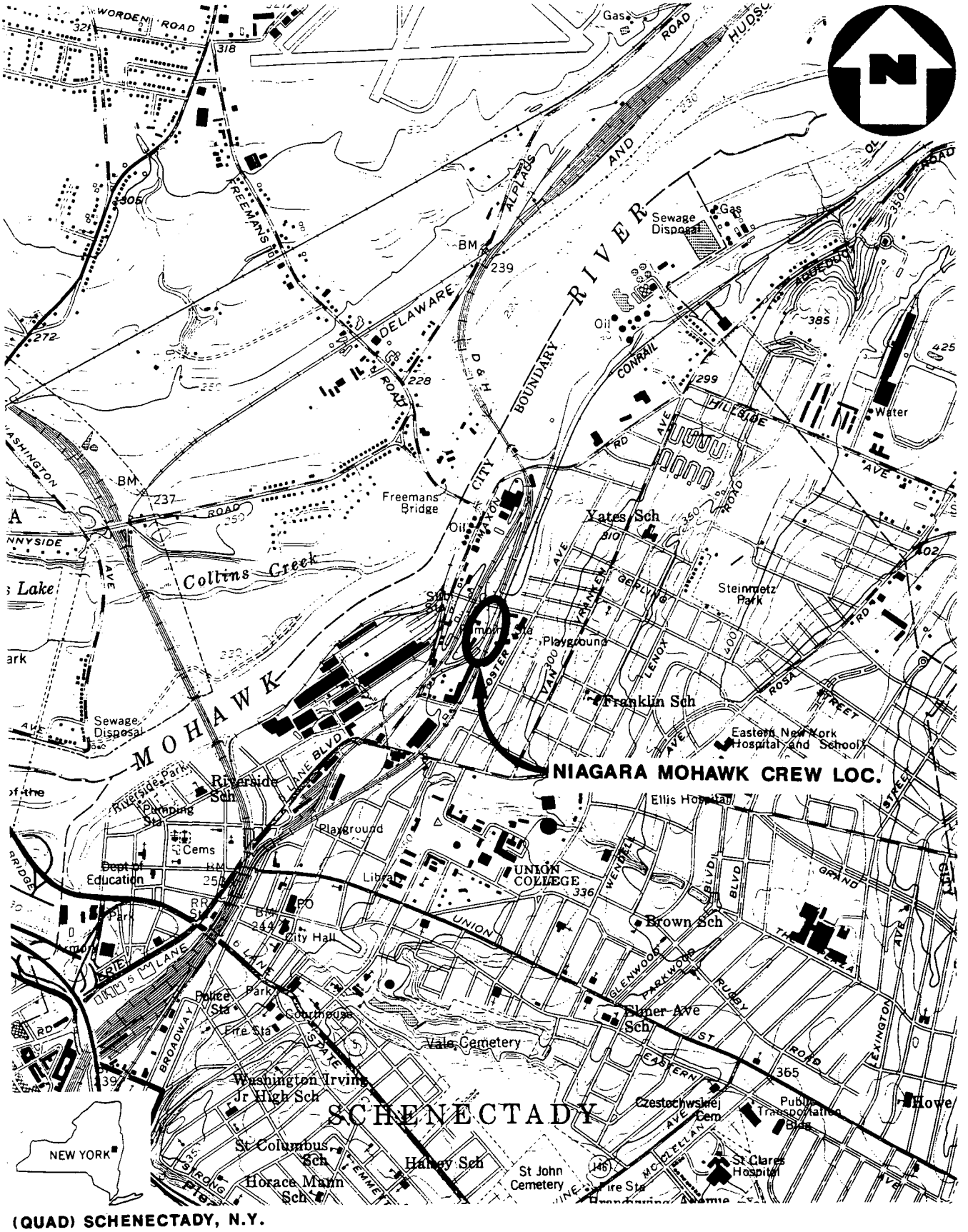
POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

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

Letter from Frank L. Sciortino, Niagara Mohawk Power Corporation, to Jane Bullis, NUS Corp., December 8, 1987. Off-site Reconnaissance, NUS Corp. Region 2 FIT, Edison, New Jersey, October 21, 1987.

APPENDIX A

MAPS AND PHOTOS



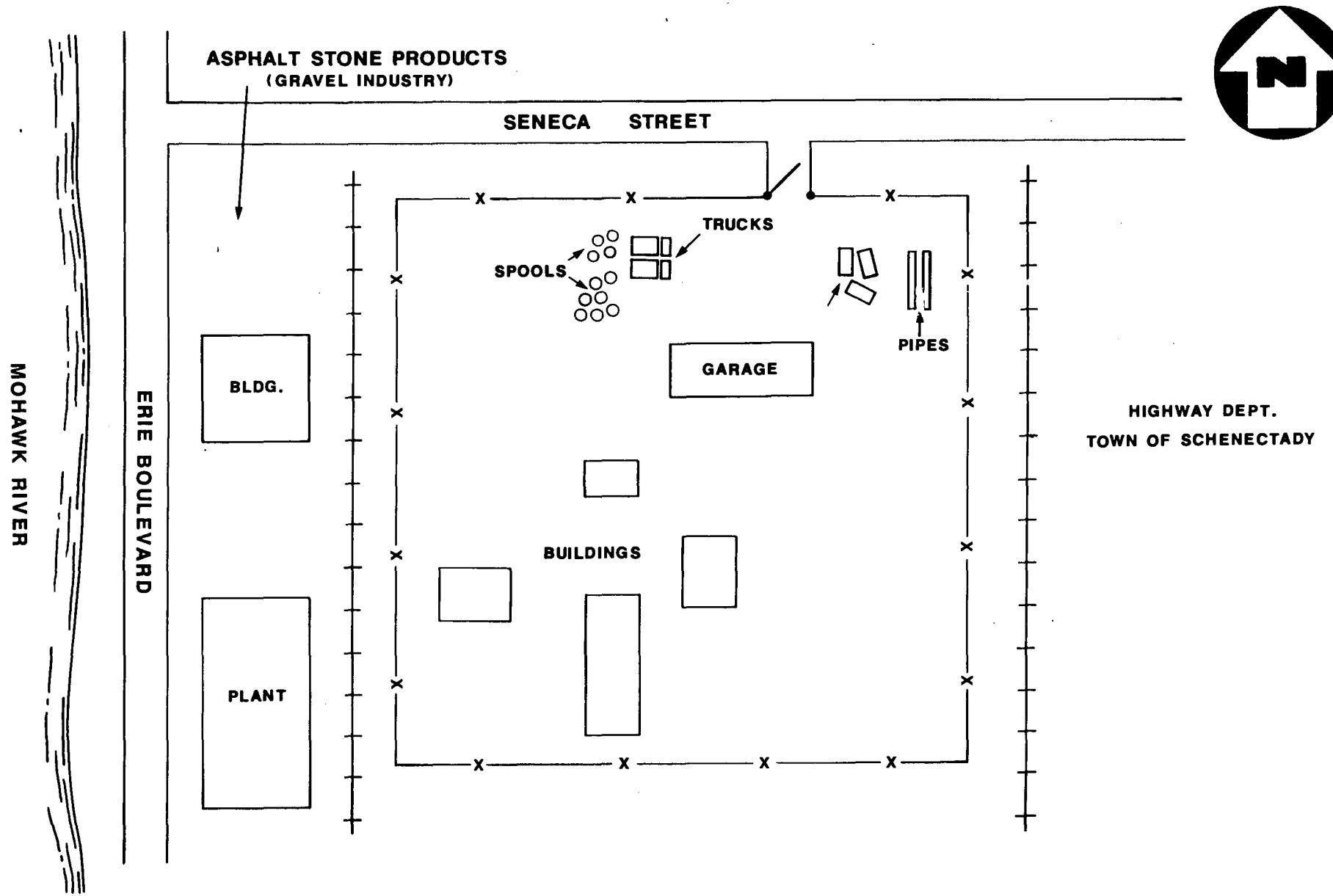
(QUAD) SCHENECTADY, N.Y.

SITE LOCATION MAP
NIAGARA MOHAWK CREW LOC.,
SCHENECTADY, N.Y.

SCALE: 1" = 2000'

FIGURE 1

NUS CORPORATION



SITE MAP

NIAGARA MOHAWK CREW LOG., SCHENECTADY, N.Y.

(NOT TO SCALE)

FIGURE 2

NUS CORPORATION

02-8710-15-PA
Rev. No. 0

NIAGARA MOHAWK CREW LOC.
SCHENECTADY, NEW YORK
TDD NO. 02-8710-15
OCTOBER 21, 1987

PHOTOGRAPH INDEX

NIAGARA MOHAWK CREW LOC.
SCHENECTADY, NEW YORK
TDD NO. 02-8710-15
OCTOBER 21, 1987

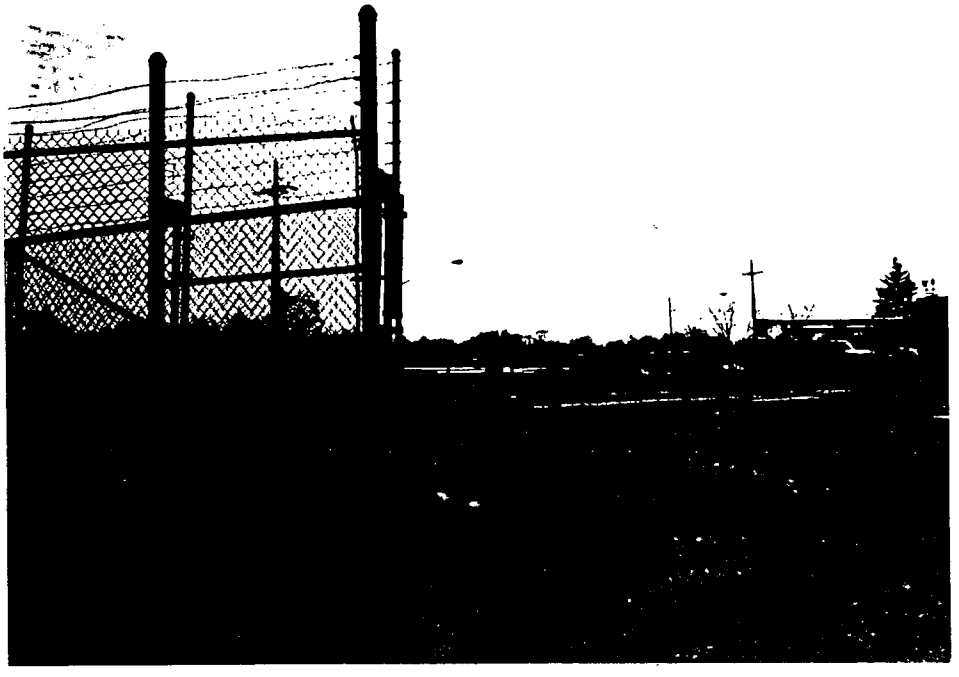
PHOTOGRAPH INDEX

Photo Number	Description	Time
R1-P17	Sign in front of Niagara Mohawk Crew Loc.	1417
R1-P18	Entrance to site looking southwest.	1417
R1-P19	Looking west at site.	1418
R1-P20	Entrance to site looking northwest	1418

All photographs taken by D. de Bruijn.

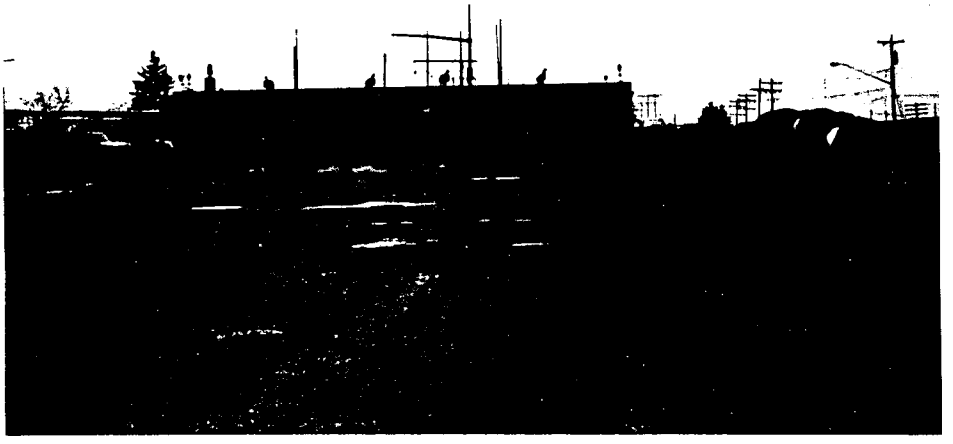
NIAGARA MOHAWK CREW LOC., SCHENECTADY, NEW YORK

R1-P17 October 21, 1987 1417
Sign in front of Niagara Mohawk Crew Loc.



R1-P18 October 21, 1987 1417
Entrance to site looking southwest.

NIAGARA MOHAWK CREW LOC., SCHENECTADY, NEW YORK



R1-P19 October 21, 1987 1418
Looking west at site.

R1-P20 October 21, 1987 1418
Entrance to site looking northwest

APPENDIX B

BACKGROUND INFORMATION

PRELIMINARY ASSESSMENT
OFF SITE RECONNAISSANCE
INFORMATION REPORTING FORM

Date: 10-21-87

Site Name: Niagara Mohawk Crew Leader TDD: 02-8710-15

Site Address: Seneca St.
Street, Box, etc.

Schenectady
Town

Schenectady
County

NY
State

NUS Personnel:

Name	Discipline
Beth Toepey	Environmental Scientist
Dan DeBruyn	Chemist

Weather Conditions (clear, cloudy, rain, snow, etc.):

Cloudy, drizzling

Estimated wind direction and wind speed: none

Estimated temperature: 50°F

Signature: Beth Toepey Date: 10-21-87

Countersigned: [signature] Date: 10-21-87

PRELIMINARY ASSESSMENT

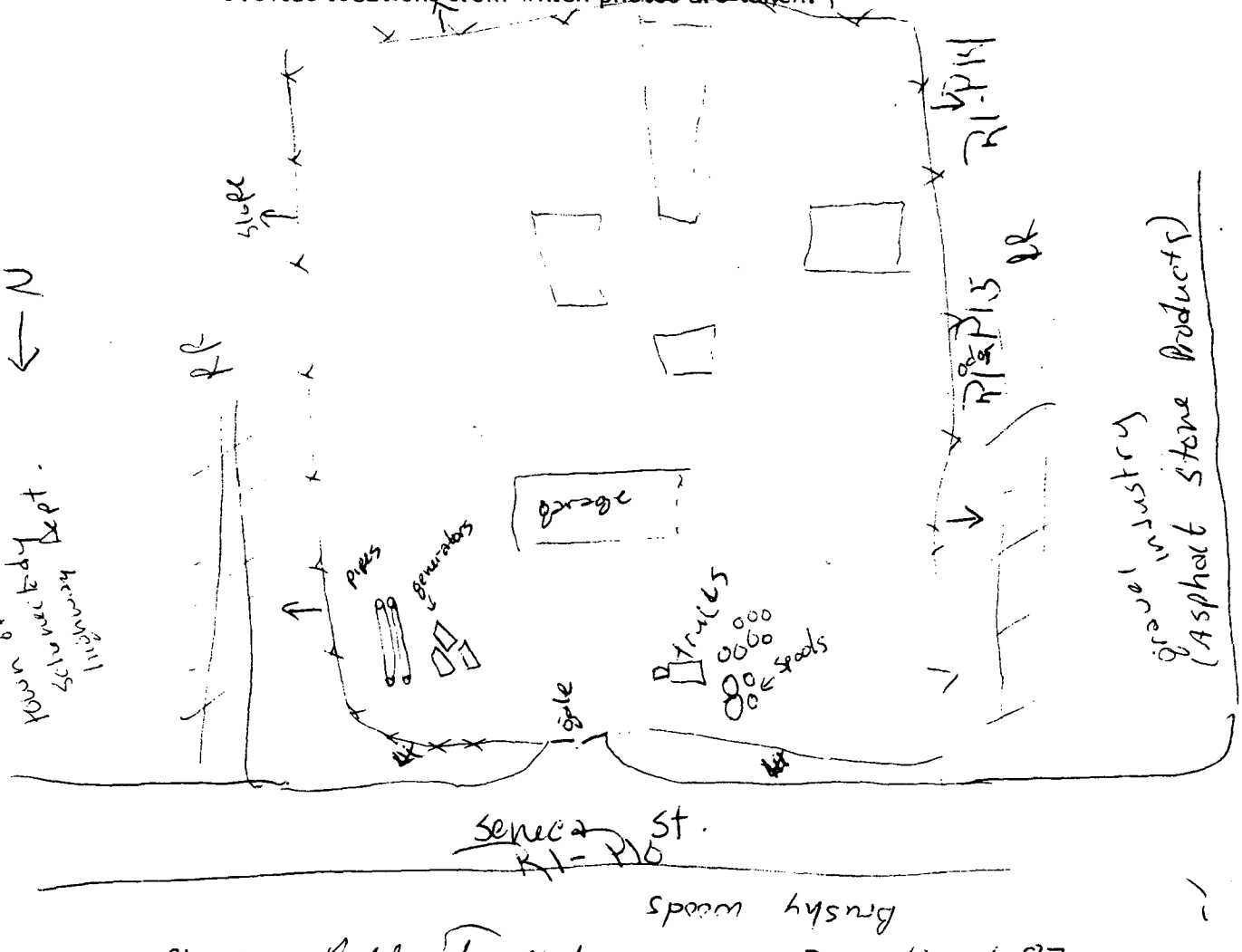
INFORMATION REPORTING FORM

Date: Niagara Mohawk Crew Loc.

Site Name: 10-21-87 TDD: 02-8710-15

Site Sketch:

Indicate relative landmark locations (streets, buildings, streams, etc.). Provide locations from which photos are taken.



Signature: Beth Torpey Date: 10-21-87

Countersigned: [illegible] Date: 10 21 87

PRELIMINARY ASSESSMENT

INFORMATION REPORTING FORM

Date: 10-21-87

Site Name: Niagara Mohawk Crew Loc TDD: 02-8710-15

Notes (Periodically indicate time of entries in military time):

Arrive at site 12:00. Sign says it is a training location. Site is located in an industrial area with nearest residence ~ 1/4 mi away. There are trucks + spools in front of the building at the entrance. The site is completely fenced. A strong (tar) odor was noticed along the western border. Stained soil was also observed along the same border. Building debris (bricks, concrete) was noted on site. Generators + miscellaneous equipment is present at the entrance area. Storm drain was noted on-site. The western border of the site slopes steeply towards RR tracks + there is a gravel industry along the other side of the tracks.

Signature: Beth Torpey Date: 10-21-87

Countersignature: [signature] Date: 10-21-87

NUS CORPORATION AND SUBSIDIARIES — TELECON NOTE

CONTROL NO:	DATE:	TIME:
	11-23-87	10:30

DISTRIBUTION:

Niagara Mohawk Crew Loc.

BETWEEN:	OF:	PHONE:
Richard Lilley	Schenectady Water Dept.	(518) 382-5039

AND:

Beth Torpey

DISCUSSION:

Drinking water for Schenectady comes from a well field of 11 wells that serves approx 78,000 people located 5-6 miles from the site.

ACTION ITEMS:

NUS CORPORATION AND SUBSIDIARIES — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
62-8710-15	12-1-87	11:25

DISTRIBUTION:
Niagara Mohawk Crew Loc.

BETWEEN:	OF:	PHONE:
John Cunnan	NY St. Health Dept.	(518) 843-3520

AND:
Beth Torpey

DISCUSSION:
They have no knowledge or background information on Niagara Mohawk Crew Loc on Seneca St. in Schenectady.

ACTION ITEMS:

NUS 067 REVISED 0685

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

December 8, 1987

Ms. Jane Bullis
NUS Corp.
1090 King Georges Post Road
Suite 1103
Edison, New Jersey 08837

RE: US Environmental Protection Agency
1982 Superfund Sites Notification

Dear Ms. Bullis:

Based on our telephone conversation on 12/7/87, it is my understanding that NUS Corp., on behalf of the EPA, is conducting a follow-up review of three of the "Notification of Hazardous Waste Site" forms that Niagara Mohawk submitted to the EPA on December 27, 1982. More specifically, you asked for information regarding three Niagara Mohawk properties which were identified on the above mentioned forms as follows:

1. Hiawatha Gas Regulator Station
2. Kingsley Ave. Gas Regulator Station
3. Schenectady Crew Location and Training Facility

Per your request, I have attached our most up-to-date information for each of the three sites in question.

Very truly yours,

Frank L. Sciortino

FLS/mm

Schenectady (Seneca St.) Former Gas Compressor/Holder Facility

Location: Seneca Street
Schenectady, N.Y.
Schenectady County

History: This property is not a former gas manufacturing plant site but is instead the site of a former gas compressor and gas holder. These facilities were first put into operation in 1930 by the Mohawk Gas Company of Schenectady and were also operated by the New York Power and Light Corporation prior to their retirement in 1961.

Present Use: Niagara Mohawk presently has a gas regulator station, a gas operations building and a lineman training facility on the property. Where not occupied by buildings, the site is predominantly blacktopped or graveled and used for parking and equipment storage.

Observations: There is no evidence of tars or other wastes on the site.