932041

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

Wurlitzer | **Site No. 932041**

City of North Tonawanda | **Niagara County**

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233

Thomas C. Jorling, *Commissioner*

Division of Hazardous Waste Remediation

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

By:

ENGINEERING-SCIENCE

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

WURLITZER
NYS SITE NUMBER 932041
TOWN OF NORTH TONAWANDA
NIAGARA COUNTY
NEW YORK STATE

Prepared For

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

Prepared By

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2996 BELGIUM ROAD
BALDWINSVILLE, NEW YORK 13027

DATE OF SUBMITTAL: January, 1989

WURLITZER

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SECTION I

EXECUTIVE SUMMARY

This report, prepared for the New York State Department of Environmental Conservation (NYSDEC) presents the results of the Phase I investigation for the Wurlitzer Site (NYS Site Number 932041, no EPA Site Number given) located in the City of North Tonawanda, Niagara County, New York (see Figure I-1).

SITE BACKGROUND

The Wurlitzer Industrial park site was owned by Wurlitzer Industries and operated as a manufacturing facility from 1908 to 1974. From 1974 to 1977, Wurlitzer used the site only as an engineering and research facility. In 1977 Wurlitzer closed its facility. (Letter from Leah Weisse, 1-2-86). Presently, the Wurlitzer building, which occupies 14 acres of land, is used as commercial rental space and has 80 tenants. The industrial park is managed and owned by Quinton King. (ES and D&M Site Visit, 12-11-85) A site plan is presented in Figure I-1. This plan shows the area inspected by ES and D&M as well as areas owned by Wurlitzer as identified by Mike Hopkins of the Niagara County Health Department per his review of the Phase I draft report. Mr. Hopkins obtained his information from a 1937 Town of Wheatfield (includes N. Tonawanda) tax map. These additional areas were not inspected during the Phase I investigation of this site but may be investigated as a separate Phase I site investigation.

Heavy metal sludges from the production of organs and pianos are possibly landfilled on-site; however, the disposal of waste in a landfill site remains unconfirmed to date (NYSDEC Site Profile Report). According to records obtained from the Northern Illinois University Archives (Leah Weisse), punch presses, milling machines, drill presses,

ovens and furnaces, degreasers, hand plating tanks, glue mixers and cookers, and spray booths were a few of the types of process equipment used to produce juke boxes, pianos, and organs. Therefore, it is suspected that scrap metal, metal sludges, and plating wastes were landfilled on-site (NYSDEC Site Profile Report). Based on information reviewed, no analytical data are available for the site (NYSDEC Registry Sheet, 1/85).

HNu meter readings were taken upwind and downwind of the site in April 1986 by ES and D&M. The HNu meter readings indicated no measurable concentrations of organics above background levels.

ASSESSMENT

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

Under the HRS, three numerical scores are computed for each site to express the relative risk or danger from the site, taking into account the population at risk, the hazardous potential of the substances at a facility, the potential for contamination of drinking water supplies, for direct human contact, and for destruction of sensitive ecological systems and other appropriate factors. The three scores are:

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

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

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

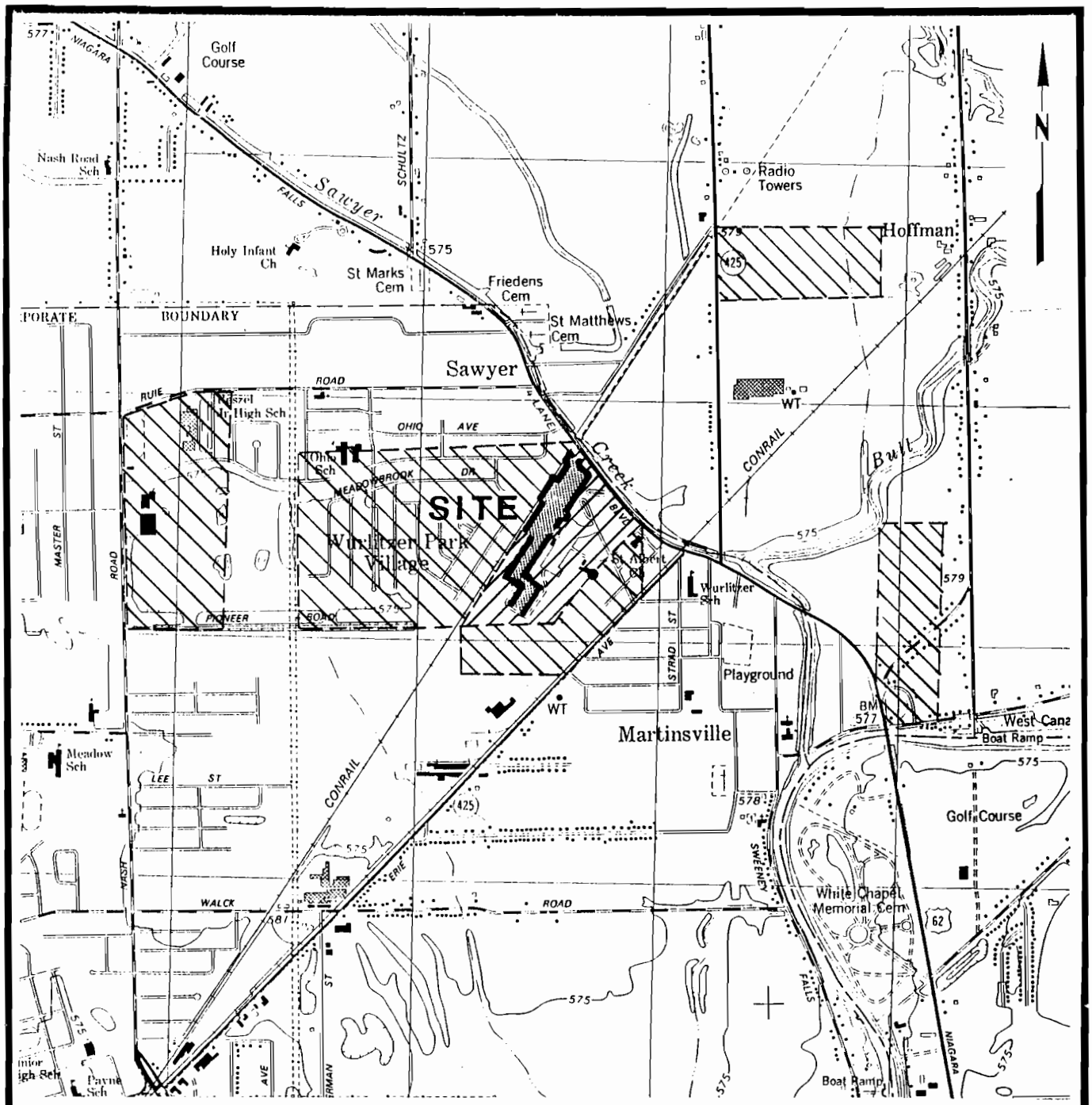
The preliminary HRS score is:

S_M	= 0.0	S_A	= 0.0
S_{GW}	= 0.0	S_{FE}	= 0.0
S_{SW}	= 0.0	S_{DC}	= 0.0

RECOMMENDATIONS

The location or existence of the Wurlitzer disposal site has not been determined by previous NYSDEC and NYSDOH investigations, or during this Phase I study. Although some information was obtained about possible operations at the Wurlitzer facility, it was not determined if hazardous wastes were disposed of on-site. However, the waste management practices typically used by industry during the period that Wurlitzer operated in North Tonawanda (1908-1974), indicate that some type of on-site disposal may have occurred. A Phase II study of the site evaluated (i.e., within the boundries or the plant site) is not recommended.

The HRS score for the Wurlitzer site is zero because monitoring has not been conducted, since a disposal site has not been identified to date. However, another Phase I study should be conducted of the other possible sites identified by Mike Hopkins of the NCHD because the wastes potentially disposed of on-site would likely be toxic and persistent compounds (i.e., heavy metals and solvents). Based on the results of the separate Phase I study, a Phase II monitoring program would be developed, if areas suspected of receiving hazardous wastes are identified.



LATITUDE: 43°03'06" N
LONGITUDE: 73°50'39" W

SCALE

0 1000 2000 3000 4000 FEET

FENCED AREA,
INSPECTED BY ES AND D & M

INSPECTED BY
ES AND D & M

APPROXIMATE AREAS
PREVIOUSLY OWNED BY
WURLITZER, NOT INSPECTED

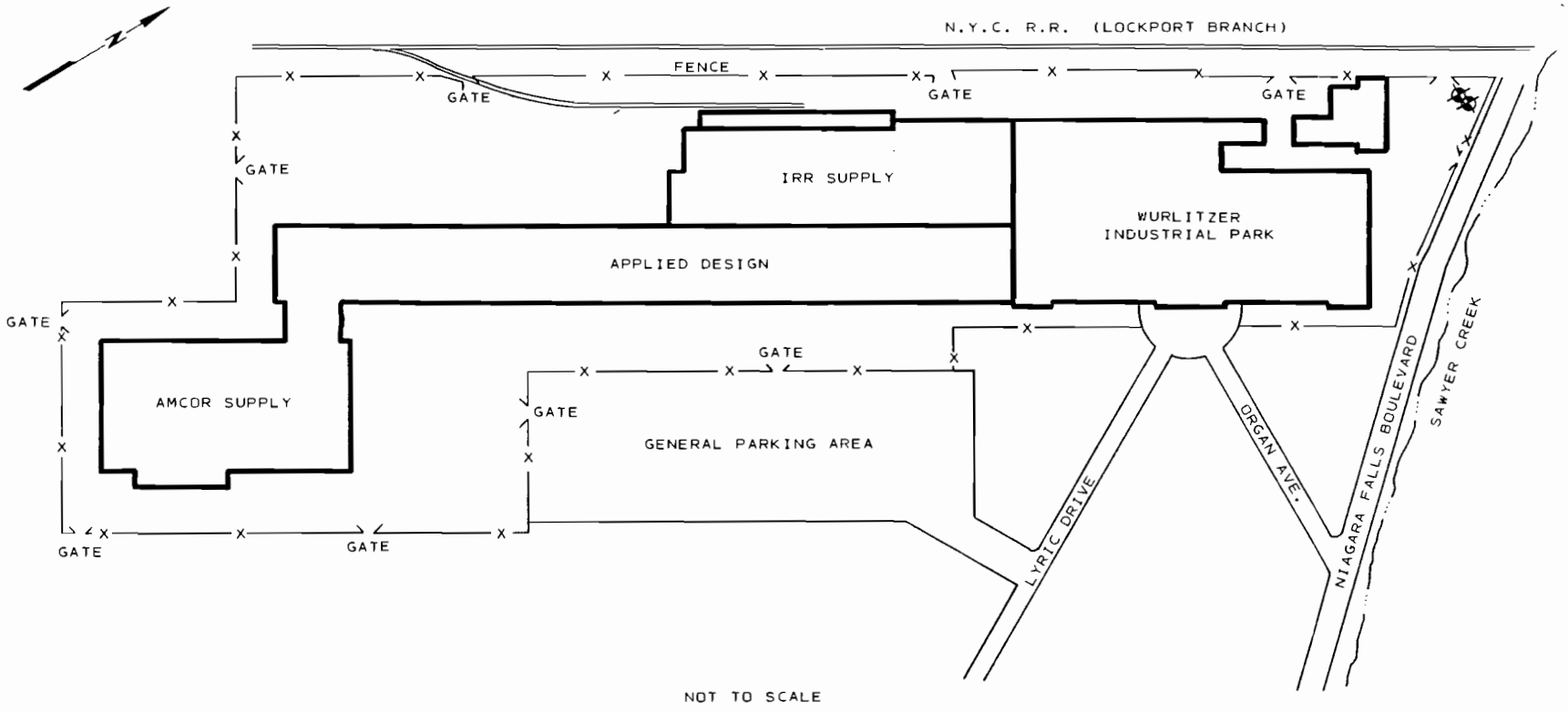
REFERENCE: U.S.G.S. 7.5' Topographic Map
Tonawanda East, NY (1980) Quadrangle

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

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

SITE LOCATION MAP
WURLITZER

FIGURE I-1



EXPLANATION:

ABANDONED WELLS (LaSala '68)

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OF ENVIRONMENTAL CONSERVATION
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PLOT PLAN
WURLITZER

FIGURE I-2

SECTION II
PURPOSE

The purpose of the Phase I investigation at the Wurlitzer site was to assess the hazard to the environment caused by the present condition of the site. This assessment is based on the Hazard Ranking System, which involves the compilation and rating of numerous geological, toxicological, environmental, chemical, and demographic factors and the calculation of an HRS score. Details of HRS implementation are included in Section V. During the initial portion of the investigation, available data and records, combined with information collected from a site inspection, were reviewed and evaluated. The investigation at this site focused on the alleged burial of heavy metal sludges.

SECTION III
SCOPE OF WORK

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

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

SECTION IV
SITE ASSESSMENT

SITE HISTORY

The Wurlitzer Industrial Park site is located in North Tonawanda and was owned by the Wurlitzer Division from 1908 to 1977. In 1965, Wurlitzer began selling portions of the property to several commercial interests. Presently, the Wurlitzer Building is occupied by 80 tenants and managed by Quinton King. The Wurlitzer building occupies 14 acres, with approximately 30 acres of land surrounding the building. During the time of plant operations, Wurlitzer owned approximately 350 acres in the vicinity of the building (King, Q., 12/11/85).

On-site disposal of wastes was believed to occur during ownership by Wurlitzer. The Wurlitzer company manufactured pianos, organs and juke boxes. Heavy metal sludges generated during manufacturing at the facility are suspected of being disposed of on-site (NYSDEC Site Profile Report). According to records obtained from the Northern Illinois University archives, punch presses, milling machines, drill presses, ovens and furnaces, degreasers, hand-plating tanks, glue mixers and cookers, and spray booths were a few of the types of process equipment used to produce juke boxes, pianos, and organs. Therefore, there exists the possibility that scrap metal, metal sludges, and plating wastes could have been landfilled on-site. Field investigations by the NYSDEC have not confirmed the existence of heavy metal waste disposal on-site. Furthermore, the exact location of the suspected disposal site has not been identified to date (NYSDEC Site Profile). According to Quinton King, the boiler house that existed during the Wurlitzer operation was used to incinerate sawdust and oils. The possibility exists that the boiler could have been used for most waste disposal. However, the

quantity of wastes generated and requiring disposal is unknown. Mr. Hopkins of the NCHD mentioned in his Phase I draft comments that in the county's "offensive material files" wastes from Wurlitzer were hauled off-site for disposal in the 1970's.

SITE TOPOGRAPHY

The Wurlitzer site is located at 908 Niagara Falls Boulevard in the City of North Tonawanda. Once a Wurliter factory, the site has since been converted to an industrial park. A portion of the site is a fenced rectangular area consisting of buildings and parking lots. The buildings occupy approximately 14 acres of the total site (approximately 30 acres), the remaining acreage being parking areas, service roads, and the surrounding land.

The surface area is flat with no noticeable slope. The unpaved areas are generally grass covered except for high traffic zones. No visible signs of a disposal area are notable on-site.

The site is bordered on the north by Niagara Falls Boulevard, on the west by Conrail Railroad Tracks, on the south by an open field, and by an open field on the east which is adjacent to St. Albert Church.

Local Sensitive Environments

NYS Wetlands maps were reviewed during the Phase I investigation. The closest NYS registered wetland is 1.5 miles SW of the site. It is designated as TE-15 (NYS Wetland Maps).

SITE HYDROLOGY

Regional Geology and Hydrology

The site is located in the Erie-Ontario lowlands physiographic province. The bedrock of this region is predominantly limestone, dolostone, and shale. Most of the rocks are deep aquifers with regional flow to the south (NYS Museum and Science Service Bedrock Geology Map; Johnston, 1964).

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

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

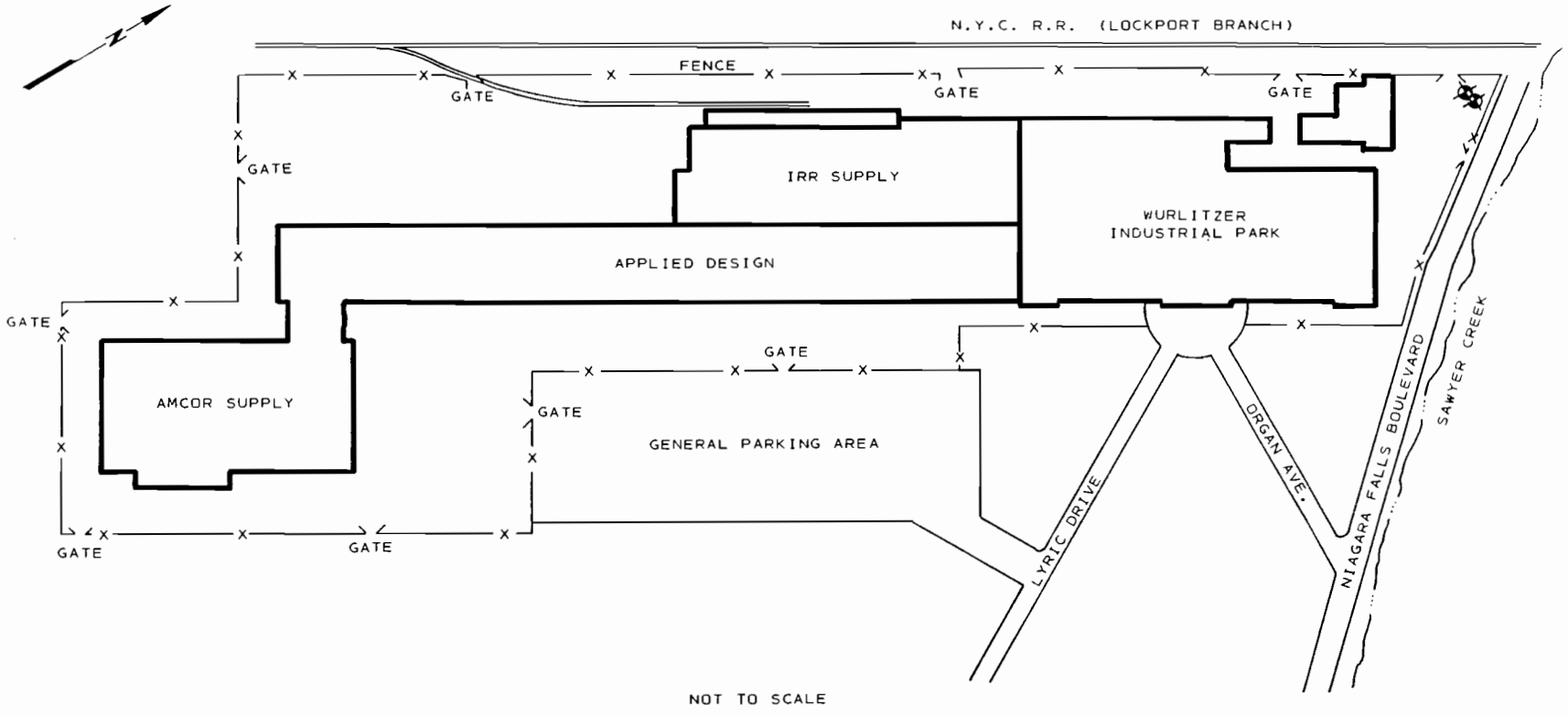
Site Hydrogeology

Bedrock beneath the site is expected to be Camillus Shale (Salina Group), occurring at depths of 30 to 40 feet. La Sala (1968) sites two bedrock wells on the northwest corner of the Wurlitzer property. The inactive wells are reported to have produced up to 700 gpm. Iron and hydrogen sulfide was noted in the water from both of these wells.

The bedrock surface is likely to be highly weathered and fractured. Overlying the bedrock is a sequence of layered lacustrine silts, clays, and very fine sands of the canadaigua soil series. The permeability of the site soils is probably in the range of 10^{-5} cm/sec to 10^{-7} cm/sec. Horizontal permeability is expected to be greater than vertical permeability. Due to the low permeability, the site soils are not considered to form a shallow aquifer, although a perched water table may exist.

SITE CONTAMINATION

Since 1908 the Wurlitzer Industry manufactured pianos and organs at their North Tonawanda manufacturing plant (Site visit with King, 1985). Heavy metal sludges, scrap metals, and plating wastes resulting from the on-site production activities are suspected of being disposed of on-site. However, the disposal area where these practices alledgedly occurred remains unconfirmed by field inspections conducted to date. (NYDEC, NYSDOH,Niagara County, and ES and D&M site visits). No soil, groundwater or surface water sampling data exist for the site (NYSDEC Registry Sheet, 1/85). Residents in the vicinity of the Wurlitzer plant obtain their potable water supply from the City of North Tonawanda (Interview with Charley Hudson, NYSDOH).



EXPLANATION:

ABANDONED WELLS (LaSala '68)

ENGINEERING-SCIENCE, INC.
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NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

PLOT PLAN
WURLITZER

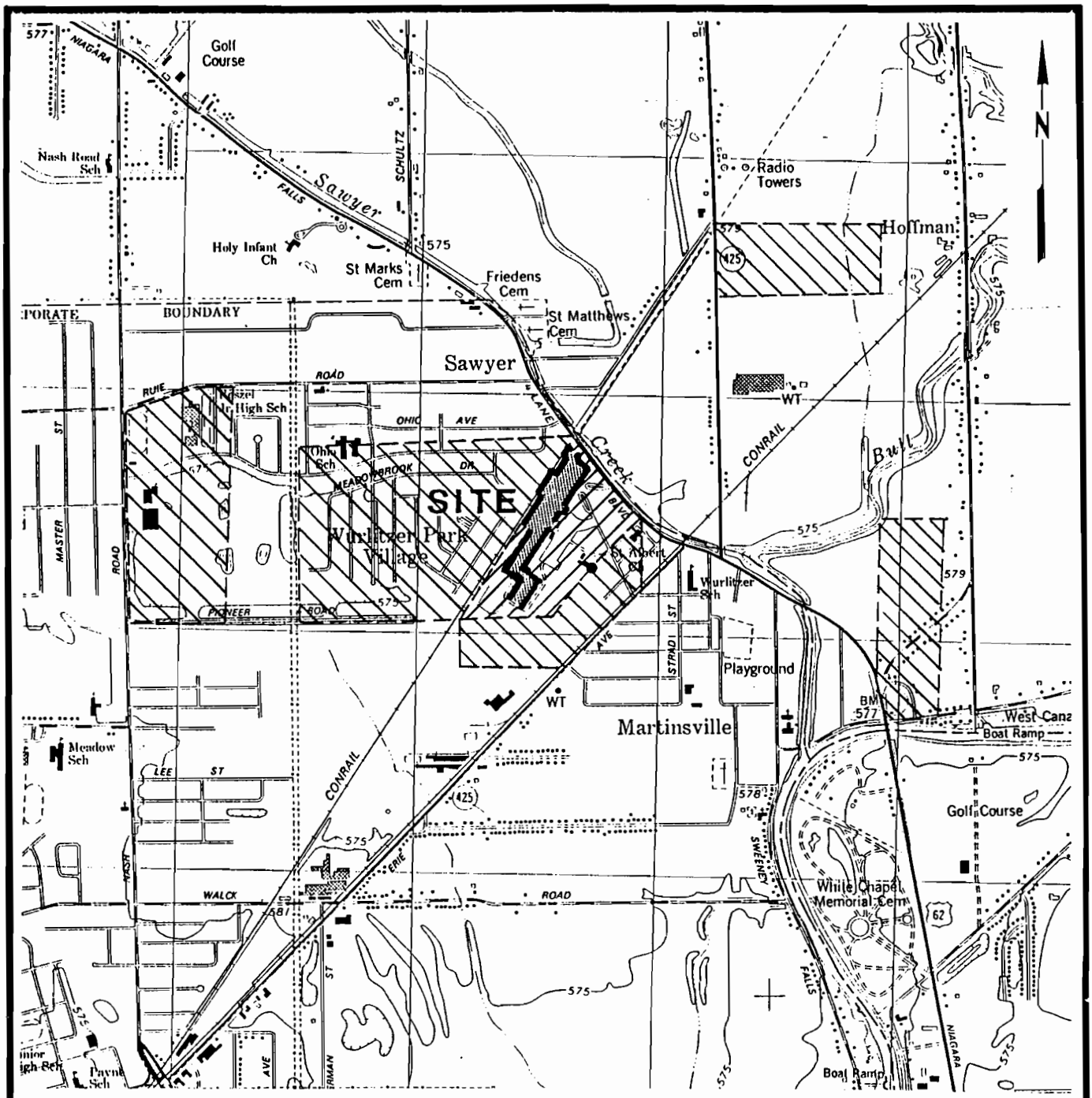
FIGURE IV-1

NARRATIVE SUMMARY

The 40-acre Wurlitzer site is located in North Tonawanda, Niagara County, New York and consists of the Wurlitzer Building which occupies approximately 14 acres of the property. From 1908 to 1965, the site was owned by Wurlitzer Industries, during the time disposal of the heavy metal sludges is suspected to have occurred. The sludges were generated during the manufacture of organs and pianos. The location of the alleged disposal site and the quantity of waste disposal has not been confirmed (NYSDEC Site Profile Report).

The site is located within 2 miles of a city park and within one-half mile of residential homes. All residents obtain their potable water supplies from the City of North Tonawanda (Interview with Charley Hudson - NYS Dept. of Health).

No soil, groundwater or surface water data are available from the site. Therefore, the extent of contamination at the site has not been identified to date (NYSDEC Profile Report).



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SITE LOCATION MAP
WURLITZER

FIGURE V-1

HRS COVER SHEET

Facility Name: Wurlitzer

Location: North Tonawanda, Niagara County, New York

EPA Region: II

Person(s) in charge of the facility: Quinton King, Building Manager

Name of Reviewer: Cathy J. Bosma Date: 12-29-85

General Description of the facility:

The Wurlitzer site, approximately 44 acres located in N. Tonawanda, was owned entirely by Wurlitzer Division prior to 1965, and in part, until 1977. At present, there are 80 tenants in the Wurlitzer Building. Wurlitzer Industry previously manufactured pianos, organs, and juke boxes at this site, and it has been reported that heavy metal sludges were disposed of on-site. Field investigations have not confirmed any heavy metal waste disposal or the exact location of the suspected disposal site. No groundwater, surface water, or waste sampling has been conducted to date.

Scores: $S_M = 0$ ($S_{GW} = 0$ $S_{SW} = 0$ $S_A = 0$)

$S_{FE} = 0$

$S_{DC} = 0$

Facility Name: Wilcox Date: 12-23-27

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

GROUND WATER ROUTE WORK SHEET

Facility Name: _____ Date: 2-3-97

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

SURFACE WATER ROUTE WORK SHEET

Facility Name: [illegible] Date: 12-3-87

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
[1] Observed Release	(0) 45	1	0	45	5.1
Date and Location: April 1986 Upwind and downwind of building					
Sampling Protocol: HNu meter					
If line [1] is 0, the S_a = 0. Enter on line [5] . If line [1] is 45, then proceed to line [2] .					
[2] Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
[3] Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
[4] Multiply [1] x [2] x [3]				35,100	
[5] Divide line [4] by 35,100 and multiply by 100			S_a = 0		

AIR ROUTE WORK SHEET

Facility Name: Wm [illegible] Date: 12-22-87

Worksheet for Computing S_M

	S	S^2
Groundwater Route Score (S_{gw})	0	0
Surface Water Route Score (S_{sw})	0	0
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		0

WORK SHEET FOR COMPUTING S_M

Facility Name: _____ Date: 12 22 7

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

FIRE AND EXPLOSION WORK SHEET

Facility Name: [illegible] Date: 12 [illegible]

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

DIRECT CONTACT WORK SHEET

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

FACILITY NAME: Wurlitzer

LOCATION: 908 Niagara Falls Blvd., North Tonawanda, Niagara County, NY

GROUND WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (5 maximum):

No observed release. No groundwater data available.
(NYSDEC Registry Sheet - 12/83, NCDOH files)

Rationale for attributing the contaminants to the facility:

Not applicable. No observed release.

* * *

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) in concern:

Bedrock aquifer in Camillus Shale.
(LaSala, 1968)

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

The water-bearing zone of the two on-site wells is 67-70 feet.
(LaSala, 1968)

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

Unknown - disposal unconfirmed.
(ES and D&M Site Visit, 12/85; and NYSDEC Site Profile Report)

Net Precipitation

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

32".
(Climatic Atlas of the United States, U.S. Dept. of Commerce, National Climatic Center, 1979).

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

26".
(Climatic Atlas of the United States, U.S. Dept. of Commerce, National Climatic Center, 1979).

Net precipitation (subtract the above figures):

32" - 26" = 6".
(Climatic Atlas of the United States, U.S. Dept. of Commerce, National Climatic Center, 1979).

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Lacustrine silts, clays, and fine sands. (Canadaigua silt loam)
(Soil Survey of Niagara County, NY, USDA, 1972)

Permeability associated with soil type

10^{-5} to 10^{-7} cm/sec
(CFR 40, Part 300, App. A, Table 2, July 1983)

Physical State

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

Sludges containing heavy metals are suspected of being disposed on-site. However, on-site disposal has not been confirmed and therefore physical state is scored as zero.
(NYSDEC Registry, 12/83)

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Unknown - hazardous waste disposal site has not been found on Wurlitzer property (ES and D&M site visit, 1985; NYSDEC Registry Sheet, 1985; NCHD Files)

Method with highest score:

(Same as above)

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Sludge containing heavy metals.
(NYSDEC Registry Sheet 1985)

Compound with highest score:

Sludges containing heavy metals are alleged to be disposed on-site; however, there is no evidence that hazardous wastes have been disposed of on-site. Therefore, an assumed toxicity/persistence value can not be used to score the site.
(NYSDEC Registry Sheet 1985)

Hazardous Waste Quantity

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

Unknown quantities of sludge suspected of containing heavy metals were allegedly disposed on-site.
(NYSDEC Site Profile Report date unknown and NYSDEC Registry Sheet, 1985)

Basis of estimating and/or computing waste quantity:

Because there is no evidence that hazardous wastes have been disposed on-site, the hazardous waste quantity score is zero.

5. TARGETS

Ground Water Use

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

No known users within 3 mile radius.
Available for industrial use.
(Hopkins, M., 1985)

Distance to Nearest Well

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

No known users within 3 mile radius.
(Hopkins, M., 1985)

Distance to above well or building:

N/A

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

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

None.
(Hopkins, M., 1985)

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

None.
(Hopkins, M., 1985)

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

Zero.
(Hopkins, M., 1985)

SURFACE WATER ROUTE

1. OBSERVED RELEASE

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

No observed release. No surface water monitoring has been conducted at the site.
(NYSDEC Registry Sheet, 1/85)

Rationale for attributing the contaminants to the facility:

Not applicable; no observed release.
(NYSDEC Registry Sheet, 1/85)

* * *

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

2% - Taken from ground elevation at NW corner of facility 577' to Sawyer Creek, 570'
(Topography Map)
(USGS Topographic Map)

Name/description of nearest downslope surface water:

Sawyer Creek.

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

2% - rationale same as above.

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

No.
(ES and D&M Site Visit, 12/85)

Is the facility completely surrounded by areas of higher elevation?

No.
(USGS Topographic Map - Tonawanda East Quadrangle)

1-Year 24-Hour Rainfall in Inches

2.1".
(Rainfall Frequency Atlas of the United States, Technical Paper No. 40, U.S. Department of Commerce)

Distance to Nearest Downslope Surface Water

100' from Niagara Falls Blvd frontage to Sawyer Creek.
(USGS Topographic Map - Tonawanda East Quadrangle)

Physical State of Waste

Sludges containing heavy metals are suspected of being disposed of on-site. However, this has not been confirmed and therefore physical state is scored as zero.
(NYSDEC Registry Sheet, 12/83)

* * *

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Unknown - hazardous waste disposal site has not been found on Wurlitzer property.
(ES and D&M Site Visit, 12/85; NYSDEC Registry Sheet, 12/83)

Method with highest score:

(Same as above).

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Sludge containing heavy metals suspected of being disposed of on-site.
(NYSDEC Registry Sheet, 12/83)

Compound with highest score:

Sludges containing heavy metals are alleged to be disposed of on-site; however, there is no evidence that hazardous wastes have been disposed on-site. Therefore, an assumed toxicity/ persistence value cannot be used to score the site.
(NYSDEC Registry Sheet, 1983)

Hazardous Waste Quantity

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

Unknown quantities of sludge suspected of containing heavy metals were allegedly disposed of on-site.
(NYSDEC Site Profile Report, date unknown, and NYSDEC Registry Sheet, 1985)

Basis of estimating and/or computing waste quantity:

Because there is no evidence that hazardous wastes have been disposed on-site, the hazardous waste quantity score is zero.

* * *

5. TARGETS

Surface Water Use

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

Sawyer Creek 0.05 mi. N
Recreational use.
Tonawanda Creek
0.7 mi. SE of site
No contact recreational use (boating, fishing)
(Hopkins, M., 1985, USGS Topographic Map)

Is there tidal influence?

No. Seasonal influence for Tonawanda Creek (Erie Canal) - summer flow is to the NE, winter flow is to the SW (dewatering of canal).
(Hopkins, M., WCHD, 1985)

Distance to a Sensitive Environment

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

None within 2 miles.
(USGS Topographic Map, Tonawanda East and Tonawanda West Quadrangles, NYS Wetlands Map)

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

None within one mile of site. Nearest wetland is TE-15, 1.5 miles southwest of site.
(Murry, M., NYSDEC Regulatory Affairs - Region 9, 1986)

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

None within one mile.
(Murry, M., NYSDEC Regulatory Affairs - Region 9, 1986)

Population Served by Surface Water

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

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

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

None within 3 miles.

Total population served:

None.

Name/description of nearest of above water bodies:

Not applicable.

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

Not applicable.

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

HNu meter readings were taken upwind and downwind of the site in April 1986 by ES and D&M and volatile organics were not detected above background concentrations (1 ppm) **(ES and D&M Site Visit, 1986).**

Date and location of detection of contaminants:

No observed releases.
(ES and D&M Site Visit, April, 1986)

Methods used to detect the contaminants:

No observed releases using HNu meter.

Rationale for attributing the contaminants to the site:

Not applicable.

* * *

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

No reactive or incompatible compounds with the potential to impact the air pathway are known to exist on-site.
(NYSDEC Registry Sheet, 1985).

Most incompatible pair of compounds:

No incompatible pair of compounds are known to exist on-site.
(NYSDEC Registry Sheet, 1985)

Toxicity

Most toxic compound:

No toxic compounds with the potential of impacting the air pathway are known to exist on-site.
(NYSDEC Registry Sheet, 1985)

Hazardous Waste Quantity

Total quantity of hazardous waste:

Sludges containing heavy metals are suspected of being disposed of on-site; however, no evidence has been found to date. It should be noted that if sludge wastes were disposed on-site, they would not likely pose a threat to the air pathway.

Basis of estimating and/or computing waste quantity:

(See above comment).

* * *

3. TARGETS

Population Within 4-Mile Radius

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

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

2,554

(1980 Bureau of Census)

Distance to a Sensitive Environment

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

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

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

None within one mile of site; closest wetland is TE-15, 1.5 miles SW of site.
(Murry, M., NYSDEC Regulatory Affairs - Region 9, 1986)

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

None within one mile.
(Murry, M., NYSDEC Regulatory Affairs - Region 9, 1985)

Land Use

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

0 miles, site is a commercial/industrial area.
(ES and D&M Site Visit, 12/85)

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

1-1/2 miles to city park, south of site.
(Hudson, C., NYSDOH, Bureau of Toxic Substance Assessment, 1985)

Distance to residential area, if 2 miles or less:

<1,000 feet.
(USGS Topographic Map, Tonawanda East and Tonawanda West Quadrangles)

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

<1/2 mile, agricultural land across road and stream from Wurlitzer property, unsure of its production status.
(ES and D&M Site Visit, 12/85)

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

Unknown.

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

No.

FIRE AND EXPLOSION

1. CONTAINMENT

Hazardous substances present:

No information was discovered during the Phase I study which indicates that a Fire and Explosion situation existed or presently exists at this site.

Type of containment, if applicable:

Not applicable.

* * *

2. WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

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

Ignitability

Compound used:

No ignitable compounds are known to exist on-site.
(NYSDEC, Registry Sheet, 1985)

Reactivity

Most reactive compound:

No reactive compounds are known to exist on-site.
(NYSDEC, Registry Sheet, 1985)

Incompatibility

Most incompatible pair of compounds:

No incompatible compounds are known to exist on-site.
(NYSDEC, Registry Sheet, 1985)

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

No hazardous wastes with the potential to create a fire and explosion hazard are known to exist on-site.
(NYSDEC, Registry Sheet, 1985)

Basis of estimating and/or computing waste quantity:

(See above comment).

* * *

3. TARGETS

Distance to Nearest Population

<1/4 mile.
(USGS Topographic Map, Tonawanda East and Tonawanda West Quadrangles)

Distance to Nearest Building

<1/4 mile. Site is a building.
(ES and D&M Site Visit)

Distance to Sensitive Environment

Distance to wetlands:

None within one mile; closest wetland is TE-15, 1.5 miles southwest of site.
(Murry, M., NYSDEC Regulatory Affairs - Region 9, 1986)

Distance to critical habitat:

None within two miles.
(Murry, M., NYSDEC Regulatory Affairs - Region 9, 1986)

Land Use

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

Zero miles, site is a commercial/industrial area.

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

1-1/2 miles to city park.
(Hudson, C., NYSDOH, Bureau of Toxic Substance Assessment, 1985)

Distance to residential area, if 2 miles or less:

<1,000 feet.
(USGS Topographic Map, Tonawanda East and Tonawanda West Quadrangles)

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

<1/2 mile, agricultural land across road and stream from Wurlitzer property.
(ES and D&M Site Visit, 12/85)

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

Unknown.

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

None.

Population with 2-Mile Radius

10,381 people.
(U.S. Census Data, 1980)

Buildings Within 2-Mile Radius

Estimated to be 2732.
(10381/3.8).

DIRECT CONTACT

1. OBSERVED INCIDENT

Date, location, and pertinent details of incident:

Based on information reviewed during the Phase I study, there is no confirmed instance in which contact with hazardous substances at the Wurlitzer site has caused injury, illness or death to humans or animals.

* * *

2. ACCESSIBILITY

Describe type of barrier(s):

Fence surrounding Wurlitzer Industrial Park, but no separate means to control entry.
(ES and D&M Site Visit, 12/85)

* * *

3. CONTAINMENT

Type of containment, if applicable:

Sludges containing heavy metals are suspected of being disposed of on-site; however, a disposal site has not been located to date. Therefore, for purposes of HRS scoring, hazardous waste substances are not accessible to direct contact.

* * *

4. WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Unknown, heavy metal sludges are suspected of being disposed of at the site, however, no disposal site has been found to date.
(NYSDEC, Site Profile Report date unknown; NYSDEC Registry Sheet, 1985)

Compound with highest score:

(See above comment.)

5. TARGETS

Population within one-mile radius

2,554 people.
(U.S. Census Data, 1980)

Distance to critical habitat (of endangered species)

None within 2 miles.
(Murry M., NYSDEC Regulatory Affairs - Region 9, 1986)

HRS REFERENCES*

WURLITZER

1. Engineering-Science (ES), and Dames and Moore (D&M) Site Visit, 1985 and 1986.

2. Hopkins, M. (1985), Niagara County Health Department. Telephone Interview for Phase I Investigation, 12/19/85.

3. Hudson, C. (1985), NYSDOH Bureau of Toxic Substances. Interview for Phase I Investigation, 12/30/85.

4. LaSala (1968). "Groundwater Resources of the Erie-Niagara Basin, New York".

5. McMurray, M. (1986), NYSDEC. Interview for Phase I Investigation, 1/3/86.

6. NYSDEC (1985), Division of Solid and Hazardous Waste. Inactive Hazardous Waste Disposal Site Report, 1/24/85.

7. NYSDEC Site Profile Report, no date (Registry Sheet).

8. NYSDOH (1982). "NYS Atlas of Community Water System Sources".

9. U.S. Bureau of Census, 1980.

10. USDA (1972). Soil Survey of Niagara County, New York.

11. USDOC (1979), National Climatic Center. "Climatic Atlas of the United States".

12. USDOC (1963). "Rainfall Frequency Atlas of the United States". Technical Paper No. 40.

13. USGS Topographic Map - Tonawanda East Quadrangle

14. Wetlands Map, NYS.

*For general references, see Appendix A.

ES AND D&M SITE INSPECTION

Observations made during the ES and D&M Site Inspections are provided on US EPA Forms 2070-12 and 2070-13. Field notes were used to complete these EPA Forms, and are not included herein.

ES ENGINEERING-SCIENCE

DEC 27 1985

INTERVIEW FORM

INTERVIEWEE/CODE MIKE HOPKINS /

TITLE - POSITION NIAGARA COUNTY HEALTH DEPT.

ADDRESS 10th STREET & EAST FALLS

CITY NIAGARA FALLS STATE NY ZIP 14302

PHONE (716) 284-3124 RESIDENCE PERIOD ____ TO ____

LOCATION PHONE CONV. FROM DAM OFFICE INTERVIEWER LARRY KEEFE - DAM

DATE/TIME 12/19/85 / 1:40 pm

SUBJECT: GROUNDWATER & SURFACE WATER TARGETS FOR WURLITZER S/TE

REMARKS: MIKE STATED THAT THERE WERE NO ACTIVE WELLS WITHIN THE CITY LIMITS OF N. TONAWANDA. HE DID NOT KNOW OF ANY ACTIVE WELLS WITHIN A 3 MILE RADIUS OF THE WURLITZER SITE, BUT WAS FAIRLY CERTAIN THAT ~~NONE~~ ~~EXISTED~~ NO ACTIVE WELLS EXISTED. MUNICIPAL WATER IS AVAILABLE TO USERS WITHIN THE 3 MILE RADIUS OF THE WURLITZER SITE.

REGARDING SURFACE WATER TARGETS, THE TONAWANDA CREEK IS PART OF THE ERIE CANAL SYSTEM. ITS PRIME USE IS ~~A~~ NON-CONTACT RECREATIONAL USE; ALTHOUGH IT IS DESIGNATED AS AN EMERGENCY WATER SUPPLY BUT HAS NEVER BEEN USED AS SUCH. THE FLOW DIRECTION OF THE TONAWANDA CREEK IS "SEASONAL", i.e, IN THE SUMMER THE FLOW IS REVERSED (AWAY FROM NIAGARA RIVER) AS FAR AS MEDINA WHILE DURING THE WINTER MONTHS THE CANAL IS DEWATERED CAUSING ~~THE~~ FLOW TOWARDS THE NIAGARA RIVER.

M. Hopkins

12/24/85

REF 2

INTERVIEW FORM

INTERVIEWEE/CODE Mike Hopkins /

TITLE - POSITION Niagara County Health Dept.

ADDRESS 10th Street and East Falls

CITY Niagara Falls **STATE** NY **ZIP** 14302

PHONE (716) 284-3124 **RESIDENCE PERIOD** ____ **TO** ____

LOCATION Phone conversation from D&M Off **INTERVIEWER** Larry Keefe - D&M

DATE/TIME 12/19/85 / 1:40 p.m.

SUBJECT: Groundwater and surficial water targets for Wurlitzer site

REMARKS: Mike stated that there were no active wells within the city limits of North Tonawanda. He did not know of any active wells within a 3-mile radius of the Wurlitzer site, but was fairly certain that no active wells existed. Municipal water is available to users within the 3-mile radius of the Wurlitzer site.

Regarding surface water targets, the Tonawanda Creek is part of the Erie Canal system. Its prime use is non-contact recreational use, although it is designated as an emergency water supply, it has never been used as such. The flow direction of the Tonawanda Creek is "seasonal", i.e., in the summer the flow is reversed (away from the Niagara River) as far as Medina while during the winter months, the canal is dewatered casuing the flow towards the Niagara River.

I agree with the above interview summary:

Signature/Title: /s/ M. Hopkins

Comments:

REF-3

INTERVIEW FORM

INTERVIEWEE/CODE Charley Hudson

TITLE - POSITION NYSDOH - Bureau of Toxic Substance Assessment

ADDRESS

CITY Albany STATE NY ZIP

PHONE (518) 473-8427 RESIDENCE PERIOD TO

LOCATION NYSDOH office INTERVIEWER S. Powers

DATE/TIME 12/30/85 / 10:30 AM

SUBJECT: Wurlitzer 932041

REMARKS: Notes from NYSDOH Bureau of Toxic Substance Assessment Hazardous Waste Site inspection Report *

- inspection by R. Tuers & B. Gilday 7/22/85

No wells for public or private use within 2 miles ←

- Residential areas west & SE.

- city park 1 1/2 miles South ←

Ohio School 1000 m NW - 462 people

Erie Ave Park 800 m SE 50 people

Meadow School 2100 m WSW 485 people

Residents Wurlitzer park 300-1000 m W 500 people

Prevailing wind direction SSW

Surface water

Sawyer Creek - ≈ 200 m No known uses (possibly irrigation)

Bull creek ≈ 1000 m " " "

Facility slope - 2-3%

intervening terrain ≈ 4-5%

I agree with the above interview summary:

Signature/Title: [signature]

Comments:

* This report is in draft form ... NYSDOH ... [illegible]

REF-3

INTERVIEW FORM

INTERVIEWEE/CODE Charley Hudson /

TITLE - POSITION NYSDOH - Bureau of Toxic Substance Assesment

ADDRESS

CITY Albany STATE NY ZIP

PHONE (518) 473-8427 RESIDENCE PERIOD TO

LOCATION NYSDOH office INTERVIEWER S. Powers

DATE/TIME 12/30/85 / 10:30 am

SUBJECT: Wurlitzer 932041

REMARKS: Notes from NYSDOHBureau of Toxic Substance Assesment Hazardous Waste Site inspection Report*

-inspection by R. Tuers & B. Gilday 7/22/85

No wells for public or private use within 2 miles

Residential areas west & southeast

City park 1½ miles south

Ohio school 1000m northwest - 462 people

Erie Ave Park 800m Southeast - 50 people

Meadow school 2100m westsouthwest - 485 people

Residents Wurlitzer Park 300 - 1000m west - 500 people

Prevailing wind direction ssw

Surface water

Sawyer Creek - 200m no known uses(possibly irrigation)

Bull Creek - 1000m no known uses (possibly irrigation)

Facility slope - 2 - 3%

Intervening Terrain 4 - 5%

I agree with the above interview summary:

Signature/Title:

Comments:

Ref 4

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

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

by

A. M. La Sala, Jr.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

in cooperation with

THE NEW YORK STATE CONSERVATION DEPARTMENT
DIVISION OF WATER RESOURCES

STATE OF NEW YORK
CONSERVATION DEPARTMENT
WATER RESOURCES COMMISSION

Basin Planning Report ENB-3

1968

Table 6.--Records of selected wells in the Erie-Niagara basin

Well number: See "Well-Numbering and Location System" in text for explanation.

Year completed: a - about
b - before

Type of well: Drl - drilled
Drv - driven

Depth of well: All depths below land surface.
a - about
r - reported
all others measured

Diameter of well: Diameters of dug wells are approximate.
Where two or more sizes of casings were used, they are shown in descending order.

Depth to bedrock: All depths below land surface
a - about
m - measured
all others reported

Water-bearing material: Gravel, sand, silt, and till - glacial deposits of Pleistocene age.
Camillus Shale - Camillus Shale of Silurian age.
Limestone - limestone unit consisting of the Onondaga Limestone of Devonian age and the Bertie Limestone and Akron Dolomite of Silurian age.
Lockport Dolomite - Lockport Dolomite of Silurian age.
Shale - Hamilton Group and Conneaut Group of Chadwick (1934) and intervening units, all of Devonian age.

Altitude above sea level: Estimated from topographic maps to nearest 5 feet.

Water level: All water levels are below land surface except those preceded by a (+) sign, which are above land surface.
a - about
p - pumping effect is probable
Flow - water flows above land surface but static head could not be measured.
r - reported
all others measured by U.S.G.S. personnel

Method of lift: AL - air lift
Dw - deep well cylinder pump
Jet - deep well jet pump
Sub - submersible pump
Sw - shallow-well pump
Tur - turbine pump

Type of power is indicated as -- I - internal combustion engine
M - manual
all others are electrically powered

Estimated pumpage: Average daily pumpage supplied by owner, tenant, or operator, or computed on basis of per capita consumption of 50 gpd per person or 20 gpd per milk cow.

Use: A - abandoned
Ag - agricultural
C - commercial
D - domestic
F - dairy farm
GT - gas test
I - industrial
In - institutional
Ir - irrigation only
PS - public supply
T - test
U - unused
X - destroyed

Remarks: anal - chemical analysis in this report
dd - drawdown
est - estimated
gas - flammable gas issues from well
gpd - gallons per day
gpm - gallons per minute
H_2S - hydrogen sulfide gas present in ground water
iron - water has noticeable iron content
LS - land surface
OW - observation well, series of water-level measurements available
r - reported
swl - static water level
temp - temperature, in degrees Fahrenheit, measured by U.S.G.S. on same day wate level was measured unless otherwise noted

Table 6.--Records of selected wells in the Erie-Niagara basin (Continued)

Well number	County	Owner	Year completed	Type of well	Depth of well (feet)	Diameter (inches)	Depth to bedrock (feet)	Water-bearing material	Altitude above sea level (feet)	Water level: Below land surface (feet)	Water level: Date	Method of lift	Estimated pumpage or flow (gallons per day)	Use	Remarks
303-850-1	Niagara	The Wurlitzer Co.	1949	Drl	69.3	8	34	Camillus Shale	577	p43.0	8-28-63	--	--	A, I	Iron; H_2S; pumping test 700 gpm, swl 30 ft, dd 10 ft after 24 hours discharge; water-bearing zone, 67-70 ft; OW.
-2	do.	do.	1951	Drl	r70	10	a42	do.	577	r,p47	6-51	Tur	500,000	I	Iron; H_2S; pumping test 660 gpm, water level at start of pumping, 47 ft (affected by pumping of well 303-850-1), dd 8 ft; water-bearing zone, 68-70 ft.
304-836-1	Erie	C. Shephard	1944	Drl	64.0	6	--	do.	590	7.5	8-23-63	Jet	200	D	Anal.
304-842-1	do.	C. Diebold	1948	Drl	r41	6	--	Sand	585	16.6	8-23-63	Jet	250	D	Do.
-2	do.	E. Stahl	1945	Drl	68.1	6	--	Camillus Shale	580	16.1	8-23-63	Sw	5	Ir	Anal; H_2S; temp 51.0; used only for watering garden; rainwater caught in a cistern is used for bathing and laundering.
304-843-1	do.	W. Lavocat	1945	Drl	69.5	6	--	do.	580	15.7	8-23-63	Sw	100	D	Anal; iron; drilled to 75 ft, bedrock at 70 ft (r); a nearby abandoned well 90 ft deep yielded so-called black water.
304-851-1	Niagara	D. Freck	1955	Drl	68.2	6	a60	Lockport Dolomite; Camillus Shale	575	18.8	10-20-60	Jet	300	D	Anal; iron; H_2S; bailed 8 gpm.
305-838-1	Erie	V. Yoder	1958	Dug	29.3	48	29	Gravel; Camillus Shale	595	15.2	8-23-63	Sw	300	D	Anal; temp 50.0.
305-845-1	Niagara	W. Wendt	--	Dug	16.5	30	--	Till	620	10.9	8-28-63	Sw	--	U	Anal; temp 49.8.
305-847-1	do.	H. Westfall	1948	Drl	73.7	6	--	Camillus Shale	625	47.7	8-28-63	Jet	400	D	Anal; iron; yield 30 gpm (r).
305-853-1	do.	F. Lemke	--	Dug, Drl	r50	36, 6	r25	Camillus Shale; Lockport Dolomite	575	11.9	10-20-60	--	--	Ag	H_2S.
306-825-1	Genesee	A. Kenward	1962	Drl	58.1	6	--	Camillus Shale	625	10.9	7- 8-64	Sw	200	D	
306-827-1	do.	R. Cheney	a1925	Dug	9.8	30	--	Sand	620	6.2	8-16-63	Sw	10	D	Anal; used only for drinking water.
-2	do.	do.	a1935	Drl	16.0	6	--	do.	620	3.3	8-16-63	--	--	A	
306-834-1	Niagara	R. Campbell	1955	Drl	37	6	--	Camillus Shale	595	p8.5	8-16-63	Sw	300	D	Anal; iron; H_2S.
-2	do.	D. Walters	--	Drl	--	6	--	do.	600	Flow	--	--	--	U	Anal; iron; H_2S; temp 49.8, 8-16-63; well is obstructed, free depth is 5.1 ft.
306-836-1	do.	S. Lackl	1960	Drl	39.8	6	--	do.	592	3.4	7- 3-64	Sw	350	D	H_2S.
306-837-1	do.	H. Sinclair	1962	Drl	38	6	--	do.	592	4.3	7- 3-64	Sw	100	D	Do.
306-840-1	do.	J. Lais	1961	Drl	67.1	6	--	Lockport Dolomite	630	26.5	8-15-63	Jet	200	D	Anal.
306-844-1	do.	L. Duszynski	--	Drl	31.8	6	--	Camillus Shale	587	6.5	7- 3-64	Sw	300	D	Iron; yield 50 gpm (r).
307-828-1	do.	G. Frainer	1963	Drl	99.5	6	85	Lockport Dolomite	645	24.2	7- 8-64	Jet	250	D	Anal; H_2S; yield 30 gpm (r) (bailed).
307-841-1	do.	Great Lakes Battery Co.	--	Drl	23.7	6	--	do.	600	.4	8-15-63	--	--	A	
307-845-1	do.	B. McMichael	1961	Drl	53.0	6	--	do.	595	23.9	8-14-63	Jet	50	D	Anal; used only for toilet and watering lawn.
307-849-1	do.	N. Bartel	1954	Drl	21.9	6	--	do.	615	12.0	8-14-63	Sw	--	U	
-2	do.	R. Gurney	1940	Drl	24.3	6	6	do.	620	9.3	8-14-63	--	--	U	Bailed 6 gpm (r).
-3	do.	G. Krantz	1957	Drl	27.0	6	--	do.	620	6.8	8-14-63	Sw	--	C	Water contains detergent; temp 54.
308-832-1	do.	H. Wagner	1958	Drl	47	6	--	Lockport Dolomite; sand	655	10.2	7- 8-64	Jet	100	D	

REF-5

INTERVIEW FORM

INTERVIEWEE/CODE ~~MC Murry~~ Mc Murry MIKE ~~MACMURRY~~ /

TITLE - POSITION ENVIRONMENTAL ANALYST

ADDRESS 600 Delaware Ave

CITY Buffalo STATE N.Y. ZIP 14202

PHONE (716) ~~649-8775~~ 847-4551 . RESIDENCE PERIOD _____ TO _____

LOCATION DEC REGULATORY AFFAIRS / BUFFALO INTERVIEWER ERIC NYE - DHM

DATE/TIME 1/3/86 /

SUBJECT: WETLANDS & FLOOD INFO - REGION 9

REMARKS: MET WITH MIKE WHO GAVE ME ACCESS TO BOTH WETLAND AND FLOODWAY MAPS FOR THE LOCAL REGION

~~X~~ ALSO LEFT SITE LOCATIONS FOR THE IDENTIFICATION OF WILDLIFE CRITICAL HABITAT & NATIONAL WILDLIFE REFUGES

Wurlitzer site

1) ~~COASTAL~~ wetland does not exist within one mile of site

2) critical habitat of an endangered species does not exist within ~~one~~ one mile of site

3) Freshwater wetland (TE-15) is 1.5 miles SW of site

I agree with the above interview summary:

Signature/Title: Michael J McMurry, Environmental Analyst

Comments:

REF-5

INTERVIEW FORM

INTERVIEWEE/CODE Mike McMurry /

TITLE - POSITION Environmental Analyst

ADDRESS 600 Delaware Ave.

CITY Buffalo STATE NY ZIP 14202

PHONE (716) 847-4551 RESIDENCE PERIOD TO

LOCATION DEC Regulatory Affairs Buffalo INTERVIEWER NYE -DIM

DATE/TIME 1/3/86 /

SUBJECT: Wetlands & Flood info - Region 9

REMARKS: Met with Mike who gave me access to both Wetland and Floodway maps for the Local Region

Also left site locations for the indentification of Wildlife Critical Habitat & National Wildlife Refuges

Wurlitzer site

1) Coastal wetland does not exist within one mile of site
2) Critical habitat of an endangered species does not exist within one mile of site
3) Freshwater wetland (7E-15) is 1.5 miles SW of site

I agree with the above interview summary:

Signature/Title:

Comments:

Ref. 6

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

CLASSIFICATION CODE: 2a REGION: 9 SITE CODE: 932041

NAME OF SITE : Wurlitzer
STREET ADDRESS: Niagara Falls Boulevard 2 Erie Ave.
TOWN/CITY: COUNTY: ZIP:
North Tonawanda Niagara

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

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Wurlitzer Trash Force Inc
CURRENT OWNER ADDRESS.: 9080 Niagara Falls Blvd., North Tonawanda, NY 141
OWNER(S) DURING USE...: Wurlitzer
OPERATOR DURING USE...: Same
OPERATOR ADDRESS.....: Same as above
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From unknown To unknown

SITE DESCRIPTION:
This used to be the site of piano and organ manufacturing plant, later t
into a warehouse (no production). Possibly, heavy metal sludges were du
at this site, but solid waste disposal has not been confirmed. No soil
water sampling data are available.

HAZARDOUS WASTE DISPOSED: Confirmed- Suspected -X

TYPE	QUANTITY (units)
Heavy metals sludges	

REF-6

SITE CODE: 932041

ANALYTICAL DATA AVAILABLE:

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

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

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

REMEDIAL ACTION:

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

GEOTECHNICAL INFORMATION:
SOIL TYPE: Not known
GROUNDWATER DEPTH: Not known

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

In the absence of any field data, no final assessment can be made.However there is no evidence of any problem at the site.

ASSESSMENT OF HEALTH PROBLEMS:

Insufficient Information

PERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NAME.: Abul Barkat
TITLE: Sr. Sanitary Engr.

NAME.: Peter Buechi
TITLE: Associate Sanitary En g.

DATE.: 01/24/85

NEW YORK STATE DEPARTMENT OF HEALTH

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

NAME.:
TITLE:

DATE.: 01/24/85

NAME OF SITE: Wurlitzer

LOCATION: North Tonawanda, Niagara County

CURRENT OWNER: Furniture Manufacturer

HISTORY

The Wurlitzer Industry used to manufacture pianos and organs at this site. The possibility existed that Heavy Metal sludges were disposed of on-site. However, solid waste disposal at this site has not been confirmed by a field inspection.

The home office for Wurlitzer is now located in Indiana. This site has been inactive for a number of years. Currently, the building is used as a warehouse for a furniture compnay.

INVESTIGATION

The landfill site remains unconfirmed by a field inspection. No sampling was conducted.

New York State Atlas of Community Water System Sources

1982

NEW YORK STATE
DEPARTMENT OF HEALTH

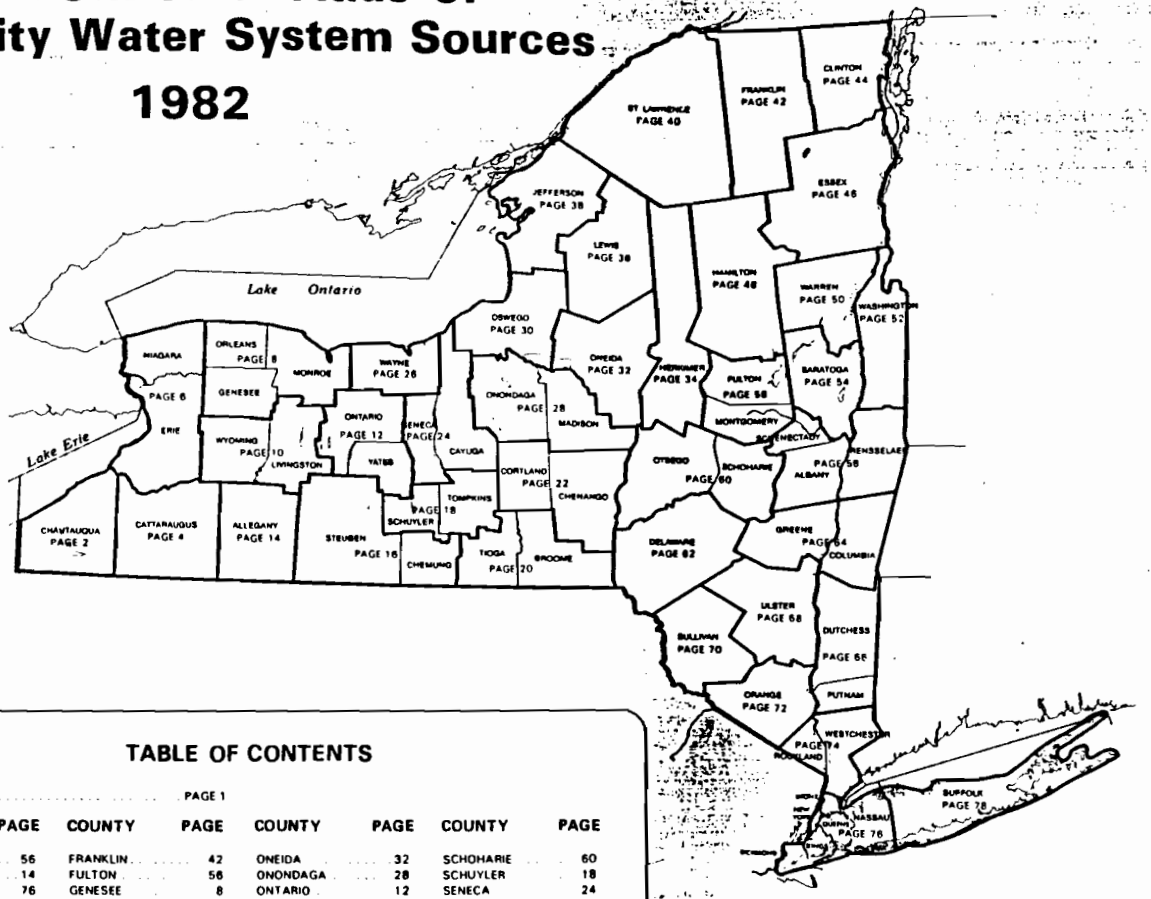


TABLE OF CONTENTS

LEGEND

BOUNDARIES AND PLACES

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

CLASSIFICATION OF POPULATED PLACES

100,000 or more	YONKERS
50,000 to 100,000	Levittown
12,500 to 50,000	Poughkeepsie
2,500 to 12,500	Hampton Bays
250 to 2,500	Boiceville
250 or less	Coxsackie

TRANSPORTATION

Highways
- Divided Highways — UNDER CONSTRUCTION
  - Full Control of Access
  - Partial or No Control of Access
- Undivided Highway
- Interchange — INTERCHANGE NUMBER — FULL — PARTIAL
- Touring Route (State, U.S., Interstate) or State Parkway
- Touring Route Markers — State, U.S., Interstate (17, 9, 81)

Railroads
- Operating Line — Service Discontinued
- Operator (DELAWARE AND HUDSON)
- Owner (If Other than Operator) (PENN CENTRAL)
- Company Having Trackage Rights (CONRAIL)

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

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

RECREATION FACILITIES

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

ERIE COUNTY

ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE
Municipal Community			
	Akron Village (See No 1 Wyoming Co, Page 10)	3640	
1	Alden Village	3460	Wells
2	Angola Village	8500	Lake Erie
3	Buffalo City Division of Water	357870	Lake Erie
4	Caffee Water Company	210	Wells
5	Collins Water District #3	704	Wells
6	Collins Water Districts #1 and #2	1384	Wells
7	Erie County Water Authority (Sturgeon Point Intake)	375000	Lake Erie
8	Erie County Water Authority (Van DeWater Intake)	NA	Niagara River - East Branch
9	Grand Island Water District #2	9390	Niagara River
10	Holland Water District	1670	Wells
11	Lawtons Water Company	138	Wells
12	Lockport City (Niagara Co)		Niagara River - East Branch
13	Niagara County Water District (Niagara Co)		Niagara River - West Branch
14	Niagara Falls City (Niagara Co)		Niagara River - West Branch
15	North Collins Village	1500	Wells
16	North Tonawanda City (Niagara Co)		Niagara River - West Branch
17	Orchard Park Village	3671	Pipe Creek Reservoir
18	Springville Village	4169	Wells
19	Tonawanda City	18538	Niagara River - East Branch
20	Tonawanda Water District #1	91269	Niagara River
21	Wanakah Water Company	10750	Lake Erie
Non Municipal Community			
22	Aurora Mobile Park	125	Wells
23	Bush Gardens Mobile Home Park	270	Wells
24	Circle B Trailer Court	50	Wells
25	Circle Court Mobile Park	125	Wells
26	Creekside Mobile Home Park	120	Wells
27	Donnelly's Mobile Home Court	99	Wells
28	Gowanda State Hospital	NA	Clear Lake
29	Hillside Estates	160	Wells
30	Hunters Creek Mobile Home Park	150	Wells
31	Knox Apartments	NA	Wells
32	Maple Grove Trailer Court	72	Wells
33	Millgrove Mobile Park	100	Wells
34	Perkins Trailer Park	75	Wells
35	Quarry Hill Estates	400	Wells
36	Springville Mobile Park	114	Wells
37	Springwood Mobile Village	132	Wells
38	Taylors Grove Trailer Park	39	Wells
39	Valley View Mobile Court	42	Wells
40	Villager Apartments	NA	Wells

NIAGARA COUNTY

ID NO	COMMUNITY WATER SYSTEM	POPULATION	SOURCE
Municipal Community			
	Lockport City (See No 12, Erie Co)	25000	
1	Middleport Village	2000	Wells (Springs)
	Niagara County Water District (See No 13, Erie Co)	48	
2	Niagara Falls City (See also No 14 Erie Co)	77384	Niagara River - East Branch
	North Tonawanda City (See No 16 Erie Co)	36000	
Non Municipal Community			
3	Country Estates Mobile Village	28	Wells

REF-8

REF 8

LOCATION OF COMMUNITY WATER SYSTEM SOURCES-1982

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF PUBLIC WATER SUPPLY PROTECTION

ERIE and NIAGARA COUNTIES

Ref. 9

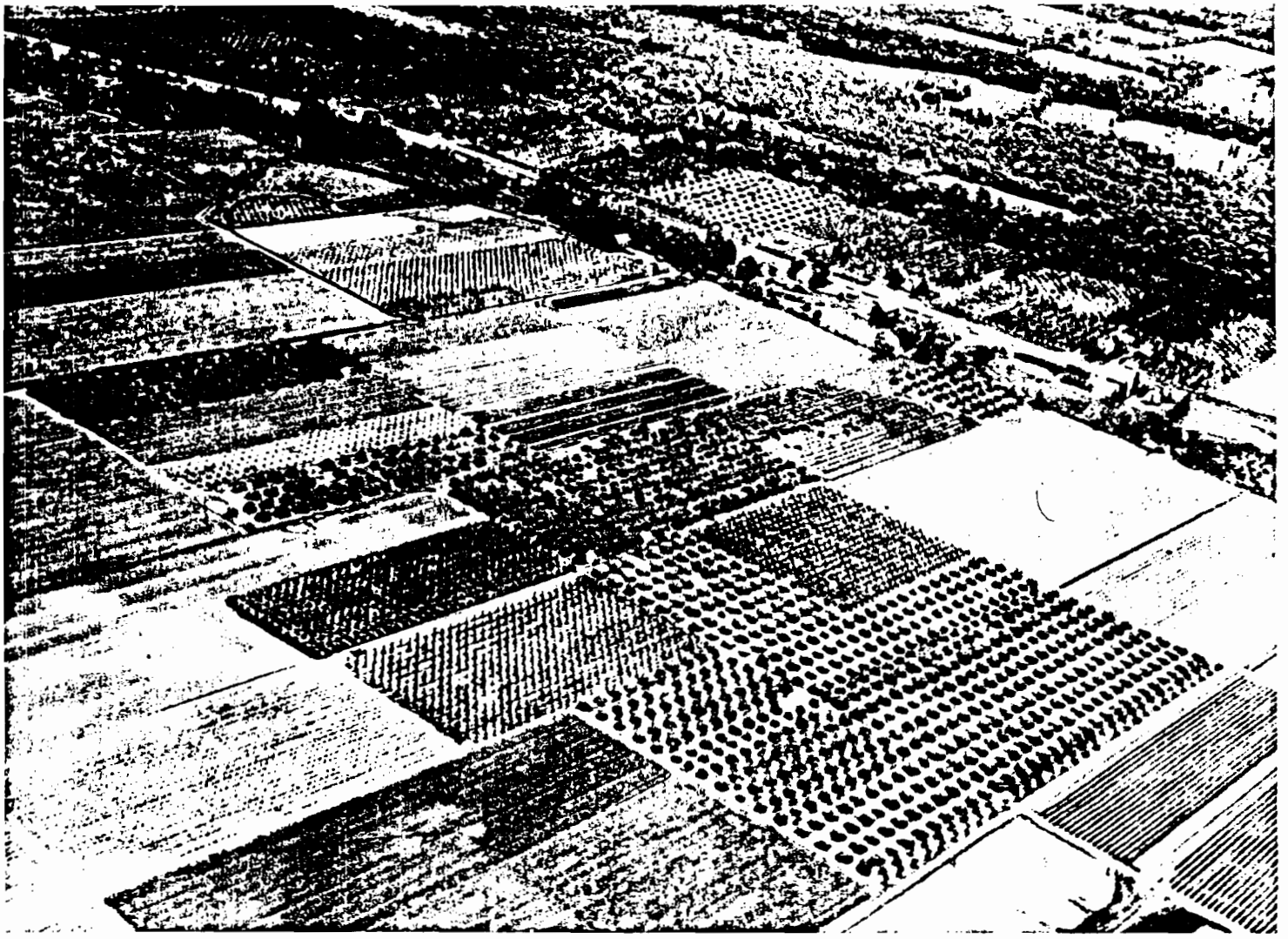
US CENSUS DATA, 1980

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

Ref. 10

SOIL SURVEY OF

Niagara County, New York



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

Issued October 1972

TABLE 7.--ESTIMATED ENGINEERING

[Alluvial land (Ad), Cut and fill land (Cu), Made land (Me), Muck shallow (Ma) Rock land, nearly level (RoA), and Rock land, steep (RoF) are so variable that their properties were not estimated. Absence of data indicates estimate was not made. The sign > means more than; the sign < means less than. An asterisk in the first column indicates that at least one mapping unit in the series is made up of two or more kinds of soil. The soils in such mapping units may have different properties and limitations, and for this reason it is necessary to follow carefully the instructions for referring to other series that appear in the first column of this table]

Soil series and map symbols	Depth to bedrock	Depth to seasonal high water table	Depth from surface (typical profile)	Classification	
				Dominant USDA textures	Unified
	Feet	Feet	Inches		
Altmar: Af, Am	6+	1½-2	0-10	Loamy fine sand and gravelly fine sandy loam.	SM
			10-16	Loamy fine sand	SM
			16-50	Stratified loamy fine sand, sand, and gravel.	GM or SM
Appleton: AnA, ApA	3½+	½-1	0-8	Gravelly loam and silt loam	SM or SC, ML or CL
			8-20	Loam	ML or CL
			20-50	Loam till	SM or SC, ML or CL
Arkport: ArB, ArC, AsA, AsB--Properties are for ArB and ArC. Mapping units AsA and AsB have the same properties as ArB and ArC, except they are underlain by gravelly layers below a depth of 40 inches. Estimates are variable for these layers.	6+	2½-3	0-8	Very fine sandy loam or fine sandy loam.	ML or SM
			8-48	Loamy very fine sand and loamy fine sand with bands of very fine sandy loam.	ML or SM
			48-60	Fine sand	SM or ML
Bombay: BoA, BoB	5+	1½-2	0-15	Fine sandy loam and very fine sandy loam.	SM or ML
			15-21	Loamy fine sand to very fine sandy loam.	SM or ML
			21-29	Fine sandy loam to silt loam; gravelly or nongravelly.	ML or SM
			29-60	Loam or gravelly loam till	SM or ML
Brockport: BrA	2-3½	½-1	0-10	Silt loam	ML or CL
			10-28	Silty clay	CL
			28-50	Soft shale bedrock.	
Canandaigua: Ca, Cb	6+	0-½	0-35	Silty clay loam and silt loam.	ML or CL
			35-50	Stratified loamy fine sand, silt, and clay.	(1/)

See footnotes at end of table.

PROPERTIES OF SOILS

Classification--Con.	Coarse fraction greater than 3 inches	Percentage passing sieve--				Permeability	Available moisture capacity	Reaction
AASHO		No. 4 (4.7 mm.)	No. 10 (2.0 mm.)	No. 40 (0.42 mm.)	No. 200 (0.074 mm.)			
	Percent					Inches per hour	Inches per inch of depth	pH
A-2-4 or A-4	<5	70-95	60-90	40-75	15-50	>6.3	0.05-0.13	[illegible]
A-2-4	<5	70-95	60-90	40-70	15-30	>6.3	0.02-0.07	5.5-7.0
A-1-6 or A-2	<5	60-90	50-85	30-70	0-30	>6.3	---------	7.6-7.8+
A-2 or A-4	<5	70-90	65-90	45-90	25-80	0.63-2.0	0.09-0.18	[illegible]
A-4	<5	80-90	75-90	65-90	50-80	0.63-2.0	0.13-0.18	[illegible]
A-2 or A-4	<5	85-90	80-90	55-85	30-70	<0.63	---------	7.6+
A-2 or A-4	----	95-100	95-100	70-95	25-60	2.0-6.3	[illegible]	[illegible]
A-2 or A-4	----	95-100	95-100	65-95	20-60	2.0-6.3	0.07-0.15	5.6-7.3
A-2 or A-4	----	95-100	95-100	60-100	20-85	2.0-6.3	---------	[illegible]
A-4	<5	90-100	85-100	55-95	35-75	2.0-6.3+	[illegible]	[illegible]
A-2 or A-4	<5	75-100	70-100	50-95	20-65	2.0-6.3+	0.03-0.15	5.6-7.3
A-2, A-4, or A-6	<5	75-100	70-100	50-95	20-80	0.20-0.63	[illegible]	[illegible]
A-2, A-4	<5	70-90	65-90	45-85	25-65	<0.63	---------	7.6+
A-4 or A-6	<5	80-100	75-100	65-100	50-95	6.3-2.0	0.13-0.20	[illegible]
A-7 or A-6	<5	90-100	85-100	80-100	70-95	<0.20	0.12-0.17	6.5-7.5
A-4 or A-6	<5	95-100	90-100	80-100	65-95	0.63-2.0	[illegible]	[illegible]
(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)	(1/)

REF-10

TABLE 8.--INTERPRETATION OF ENGINEERING PROPERTIES OF SOILS--Continued

Soil series and map symbols	Suitability as source of--			Soil features affecting--	
	Topsoil	Granular material	Fill material	Highway location	Embankment foundations
Arkport: ArB, ArC	Fair to good: erodible on steep slopes; sandy.	Unsuitable	Fair: highly erodible by wind and water.	Subgrade subject to differential frost heave; cut slopes highly erodible and unstable.	Generally adequate strength for moderately high embankments; underlain in places by wet, compressible soil material.
AsA, AsB	Fair: gravelly surface layer in places; sandy.	Poor: granular material may be between depths of 40 and 50 inches but is variable.	Variable: highly erodible by wind and water.	Subgrade subject to differential frost heave; cut slopes highly erodible and unstable.	Generally adequate strength for moderately high embankments; underlain in places by wet, compressible soil material.
Bombay: BoA, BoB	Poor to fair: may contain gravel; sandy.	Unsuitable	Fair in sandy cap: underlying till good.	Seasonal high water at a depth of 1½ to 2 feet; cut slopes subject to seepage and sloughing; variable textures above till subject to differential frost heave.	Generally adequate strength for high embankments.
Brockport: BrA	Fair to good: may contain too much clay in spots.	Unsuitable	Poor: clayey; low soil yield.	Shale bedrock at a depth of 1½ to 3½ feet; seasonal high water table at a depth of ½ to 1 foot; possibility of rock swell on pressure release; seepage on cut slopes.	Generally adequate strength for high embankments.
Canandaigua: Ca	Good: seasonally wet.	Unsuitable	Generally poor: surface layer high in organic matter; wet in natural state.	Prolonged high water table; cut slopes subject to seepage and sloughing; cut subgrade subject to differential frost heave.	Variable strength and generally compressible; may be adequate for light fills.

Soil features affecting--Continued						
Foundation for low buildings	Ponds		Drainage	Irrigation	Terraces and diversions	Waterways
	Reservoir	Embankment				
Variable bearing capacity and compressibility; large settlements possible under vibrating loads.	Variable permeability; sand lenses subject to excess seepage.	Poor stability; poorly graded fine sand; subject to piping; highly erodible; variable permeability.	Well drained; drainage not needed.	High water-intake rate; moderate to high available moisture capacity; highly erodible.	Variable permeability; highly erodible.	Highly erodible.
Variable bearing capacity and compressibility; large settlements possible under vibrating loads.	Variable permeability; sand lenses subject to excess seepage.	Poor stability; poorly graded fine sand; subject to piping; highly erodible; variable permeability.	Well drained; drainage not needed.	High water-intake rate; moderate to high available moisture capacity; highly erodible.	Variable permeability; highly erodible.	Highly erodible.
Seasonal high water table at a depth of 1½ to 2 feet; high bearing capacity; low compressibility.	Seasonal high water table at a depth of 1½ to 2 feet; moderately slow or slow permeability below a depth of about 20 inches but may have sand lenses subject to seepage.	Good stability and shear strength; permeability of subsoil and substratum material good where compacted.	Seasonal high water table at a depth of 1½ to 2 feet; cut slopes subject to seepage and sloughing; moderately slow or slow permeability below a depth of about 20 inches.	High water-intake rate; moderate to low available moisture capacity; seasonal high water table at a depth of 1½ to 2 feet.	Undulating topography; variable texture to a depth of 20 inches.	Undulating topography; variable texture to a depth of 20 inches.
Shale bedrock at a depth of 1½ to 3½ feet; seasonal high water table ½ to 1 foot below surface.	Shale bedrock at a depth of 1½ to 3½ feet.	Low shear strength; poor workability where wet; low soil yield per acre.	Seasonal high water table at a depth of ½ to 1 foot; slow permeability below surface; shale bedrock at a depth of 1½ to 3 feet.	Low water-intake rate; available moisture capacity is moderate; seasonal high water table at a depth of ½ to 1 foot.	Nearly level relief.	Dense clayey subsoil; shale bedrock at a depth of 1½ to 3½ feet.
Variable bearing capacity and compressibility; prolonged high water table.	Prolonged high water table; sand lenses subject to seepage in absence of water table.	Fair to good stability; slow permeability for inside core; surface soil high in organic matter.	Prolonged high water table; cut slopes unstable; sands subject to piping; natural outlets inadequate.	Prolonged high water table; generally not irrigated.	Nearly level relief.	Prolonged high water table; highly erodible.

REF-10

Brockport silt loam, 0 to 4 percent slopes (BrA).--Individual areas of this soil range from as small as 5 acres to more than 100 acres in size. They are roughly oblong or circular, and they follow the bedding planes of the underlying rock.

Included with this soil in mapping are some small areas of better drained soils on slight rises or knolls. Also included are small areas of Brockport soils that have slopes of more than 4 percent. Some areas have a gravelly glacial till smear that is less than 20 inches thick over the weathered shale. Also included, where the underlying shale is at a depth of more than 40 inches, are small areas of Rhinebeck or Madalin soils.

Unless drained, this soil is better suited to hay, small grains, pasture, and trees than to cultivated crops. Where this soil is used for cultivated crops, adequate surface drainage needs to be provided along with good cultural practices that maintain soil tilth. Irrigation or tile drainage generally is not suitable for this soil. (Capability unit IIIw-2; woodland suitability group 3w1)

Canandaigua Series

The Canandaigua series consists of deep, poorly drained and very poorly drained, medium-textured to moderately fine textured soils. These soils formed in lacustrine deposits of silt, very fine sand, and clay. Canandaigua soils are level or depressional and occupy areas where water ponds or runs off very slowly. Also, runoff is received from surrounding areas.

A representative profile of a Canandaigua soil has a dark-gray, neutral silty clay loam surface layer about 7 inches thick. It is underlain by an olive-gray, firm, neutral silty clay loam subsoil that is distinctly mottled. The subsoil extends to a depth of 24 inches. The substratum is calcareous. It is firm, platy, grayish-brown silt loam that is prominently mottled in the upper part. Below a depth of 35 inches, the substratum is fine sand, silt, and very thin lenses of clay.

Canandaigua soils, unless drained artificially, have water standing at the surface throughout spring and after each rainy period. The downward percolation of water is restricted by the high water table, as is the depth of rooting. In spring, roots are confined to a depth of about 6 inches. As the season progresses, the rooting depth extends to about 15 inches below the surface. The available moisture capacity is moderate to low.

Representative profile of Canandaigua silty clay loam (0 to 2 percent slopes), 30 feet south of Tonawanda Creek Road and five-eighths mile west of Riddle Road:

Ap--0 to 7 inches, very dark-gray (10YR 3/1) silty clay loam, very dark grayish-brown (2.5Y 3/2) when rubbed; moderate, fine and very fine, subangular blocky structure; friable; abundant fine roots; neutral; abrupt, smooth boundary. 6 to 9 inches thick.

B2g--7 to 24 inches, olive-gray (5Y 5/2) silty clay loam; gray (5Y 5/1) ped coats and common, medium and coarse, prominent, yellowish-brown (10YR 5/6) mottles in ped interiors; weak, coarse, prismatic structure breaking to moderate, medium and coarse, blocky structure; firm; plentiful roots in upper part and few fine roots in lower part; neutral; clear, wavy boundary. 12 to 21 inches thick.

C1g--24 to 35 inches, grayish-brown (2.5Y 5/2) silt loam; gray (5Y 5/1) ped coats and many (about 30 percent), fine and medium, prominent, yellowish-brown (10YR 5/6) mottles in ped interiors; few, white lime streaks; weak, fine, medium and thick, platy structure; firm; very few roots; calcareous; clear, wavy boundary. 6 to 15 inches thick.

IIC2--35 to 50 inches, light olive-brown (2.5Y 5/4), stratified or varved loamy fine sand, silt, and very thin clay lenses; lime streaks and lime concretions or nodules; many, coarse; distinct, yellowish-brown (10YR 5/6) mottles; very weak, platy structure; friable; calcareous.

The solum ranges from 20 to 30 inches in thickness, and depth to carbonates ranges from 18 to 40 inches. Depth to bedrock is more than 40 inches. To a depth of 30 inches, chroma is 2 or less in 60 percent of the matrix in the B and C horizons. Ped faces in the B and C horizons are 2 or less in chroma.

The Ap horizon ranges from 10YR to 2.5Y in hue, is 2 or 3 in value, and is 1 or 2 in chroma. Thickness of the Ap horizon does not exceed one-third the thickness of the solum. The Ap horizon ranges from silt loam to silty clay loam.

The B horizon ranges from 5YR to 5Y in hue, from 4 to 6 in value, and is 1 or 2 in chroma. It ranges from fine sandy loam to silty clay. The average clay content of the 10- to 40-inch control section is between 18 and 35 percent. The B horizon has moderate or weak, blocky structure that is within weak, coarse, prismatic structure in many places. Common to many, distinct and prominent mottles that have a higher chroma than that described occur in the B and C horizons in some places.

The Canandaigua soils formed in deposits similar to those of the moderately well drained Collamer soils and the somewhat poorly drained Niagara soils. Canandaigua soils are finer textured than Lamson soils and have a coarser textured B horizon than the Lakemont and Madalin soils. Canandaigua soils are wetter and have a finer textured B horizon than the Raynham soils. Canandaigua soils are wetter and have a coarser textured B horizon than Odessa and Rhinebeck soils.

Canandaigua silt loam (0 to 2 percent slopes) (Ca).--This soil occupies areas that receive runoff from adjacent soils. The surface layer of this soil contains less clay than that of the soil having the profile described as representative for the series. This soil occurs in irregularly shaped

areas that generally are less than 20 acres in size.

Commonly included areas are spots of better drained Raynham and Rhinebeck soils south of the limestone escarpment. Other common inclusions are finer textured Lakemont and Madalin soils that have drainage similar to that of this soil. In many places north of the limestone escarpment, there are included areas of somewhat poorly drained Appleton and poorly drained Sun soils that formed in glacial till. Areas near U.S. Highway No. 104 (Ridge Road) contain numerous sand lenses in the subsoil and substratum. In some depressional areas and potholes, spots of very poorly drained Canandaigua soils occur and have a mucky surface layer. Other spots of Canandaigua soils have a sandy surface layer.

This soil is not intensively used. Most areas are wooded, idle, or used for pasture. But this soil is well suited to crops, pasture, and trees if it is adequately drained and protected from flooding or from ponding caused by runoff from the surrounding uplands. It is particularly well suited to intensive use for some vegetable and row crops. Undrained areas can be used for pasture if management is good, but most areas cannot be used for other crops. (Capability unit IIIw-3; woodland suitability group 4w1)

Canandaigua silty clay loam (0 to 2 percent slopes) (Cb).--This soil has the profile described as representative for the series. The soil occurs in long, narrow drainageways and basinlike areas in the southern part of the county. Areas range from 10 to 50 acres in size.

Included with this soil in mapping are small areas of better drained Rhinebeck and Raynham soils. Also included are small areas of Lamson, Lakemont, and Madalin soils.

This soil is not used intensively. Most areas are wooded, idle, or in pasture. If this soil is adequately drained and fertilized, it is suited to crops. Because of the moderately fine textured surface layer, this soil puddles easily if tilled when wet. It crusts or forms hard clods as it dries. Maintaining good tilth is difficult. (Capability unit IIIw-3; woodland suitability group 4w1)

Cayuga Series

The Cayuga series consists of deep, moderately well drained to well drained, medium-textured soils. These soils developed in lacustrine silt and clay that is 20 to 36 inches thick over loamy calcareous glacial till. They are nearly level to moderately sloping or undulating and occur in areas that are adjacent to or within old glacial lakebeds. Cayuga soils occur throughout the county, mainly south of the Lockport limestone formation.

A representative Cayuga soil has a dark grayish-brown silt loam surface layer 8 inches thick. The next layer is reddish-brown silty clay loam 3 inches thick. The subsoil occurs at a depth of 11 inches and is firm, reddish-brown silty clay 14 inches thick. It contains a few coarse fragments and is plastic when wet and hard when dry. The reddish-brown gravelly loam substratum is at a depth of about 25 inches and has a few large stones. It is firm and calcareous.

These soils have a seasonal high water table that rises to within 18 inches of the surface. The water table is perched above the slowly permeable subsoil and underlying glacial till. In some places during extended rainy periods, water stays for a few days in small depressions.

Roots are confined mainly to the uppermost 25 inches of the Cayuga soils. The available moisture capacity is high. Because of the clay in the surface layer and subsoil, care must be taken to maintain good tilth. If these soils are plowed when wet, they become compact and cloddy.

Representative profile of a Cayuga silt loam having slopes of 0 to 2 percent, in a hayfield 1,000 feet west of the junction of Packard and Lockport Roads and 125 feet north of Lockport Road:

Ap--0 to 8 inches, dark grayish-brown (10YR 4/2) heavy silt loam; moderate, fine, and medium, subangular blocky structure; friable; abundant roots; neutral; abrupt, smooth boundary. 6 to 10 inches thick.

B&A--8 to 11 inches, reddish-brown (5YR 4/3) silty clay loam; moderate, fine to medium, subangular blocky structure within weak, coarse, prismatic structure; firm; plentiful fine roots; common root and worm channels; patchy clay films on ped surfaces; a few fragments larger than 2 millimeters; thin coats of brown (10YR 5/3) loam on blocks and prisms; neutral; clear, wavy boundary. 2 to 6 inches thick.

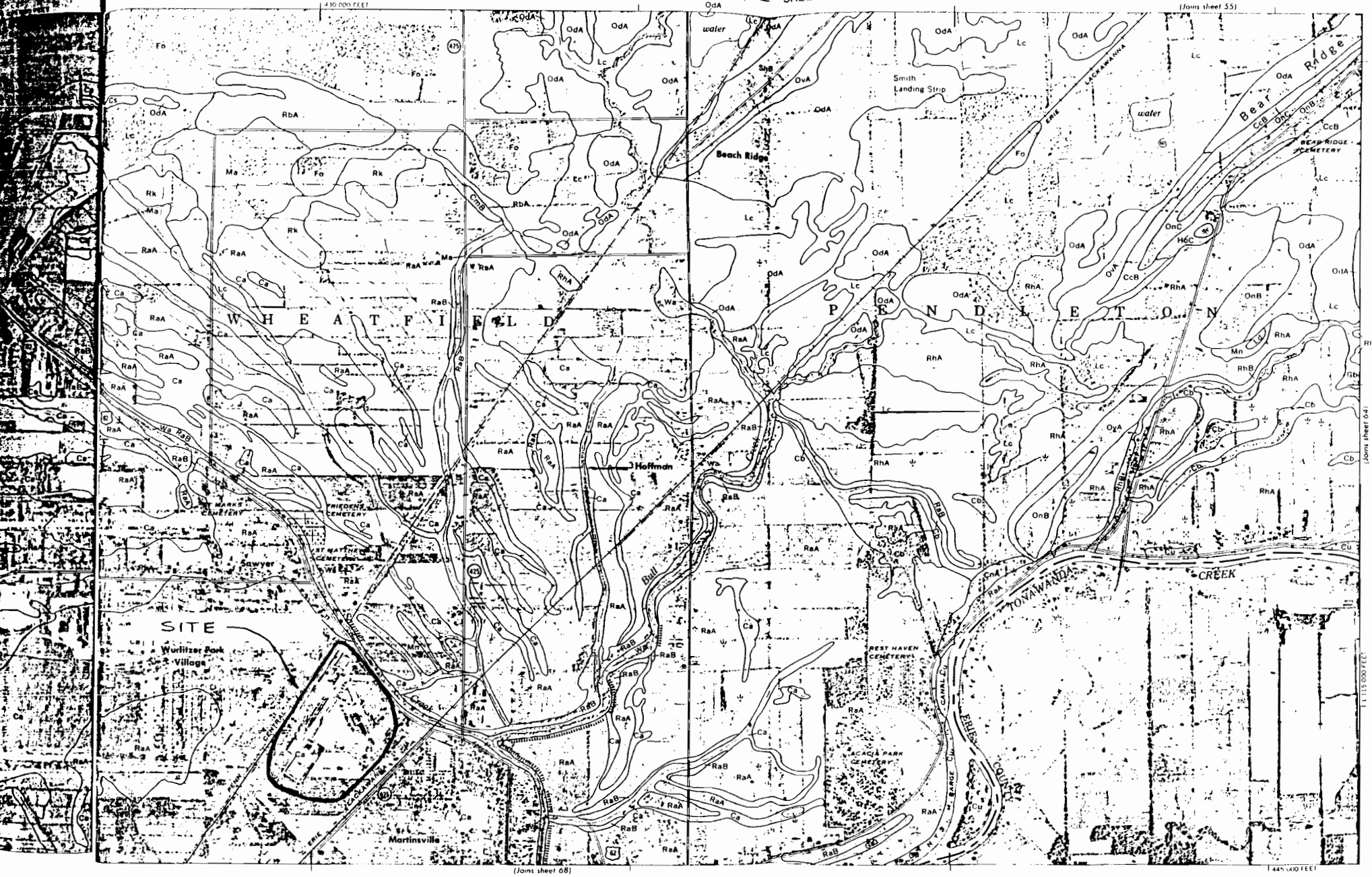
B2t--11 to 25 inches, reddish-brown (5YR 4/3) silty clay; moderate, fine to medium, subangular blocky structure within weak, coarse, prismatic structure; firm; plentiful fine roots; a few fragments larger than 2 millimeters; thin clay films on most ped surfaces; thick films in the pores; neutral; abrupt, wavy boundary. 8 to 20 inches thick.

IIC--25 to 50 inches, reddish-brown (5YR 4/4) gravelly loam of which about 25 percent is fragments larger than 2 millimeters; weak, thick, platy structure; firm; very few fine roots; calcareous.

The solum ranges in thickness from 20 to 36 inches, and this is the same as the depth to carbonates. Content of coarse fragments in the solum ranges from 0 to about 10 percent. The IIC horizon has a content of coarse fragments ranging from 5 to 35 percent. The solum is neutral to medium acid, and the IIC horizon is calcareous.

The Ap horizon has a hue of 10YR or 7.5YR, value of 3 or 4, and chroma of 2 or 3. When the Ap horizon is dry, values are more than 5.5. Where the Ap horizon is thin, there is an A2 horizon in some places.

NIAGARA COUNTY, NEW YORK — SHEET NUMBER 63



REF 11

List of Tables

Table No.

1.0 Introduction

The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) (Pub. L. 96–510) requires the President to identify the 400 facilities in the nation warranting the highest priority for remedial action. In order to set the priorities, CERCLA requires that criteria be established based on relative risk or danger, taking into account the population at risk; the hazardous potential of the substances at a facility; the potential for contamination of drinking water supplies, for direct human contact, and for destruction of sensitive ecosystems; and other appropriate factors.

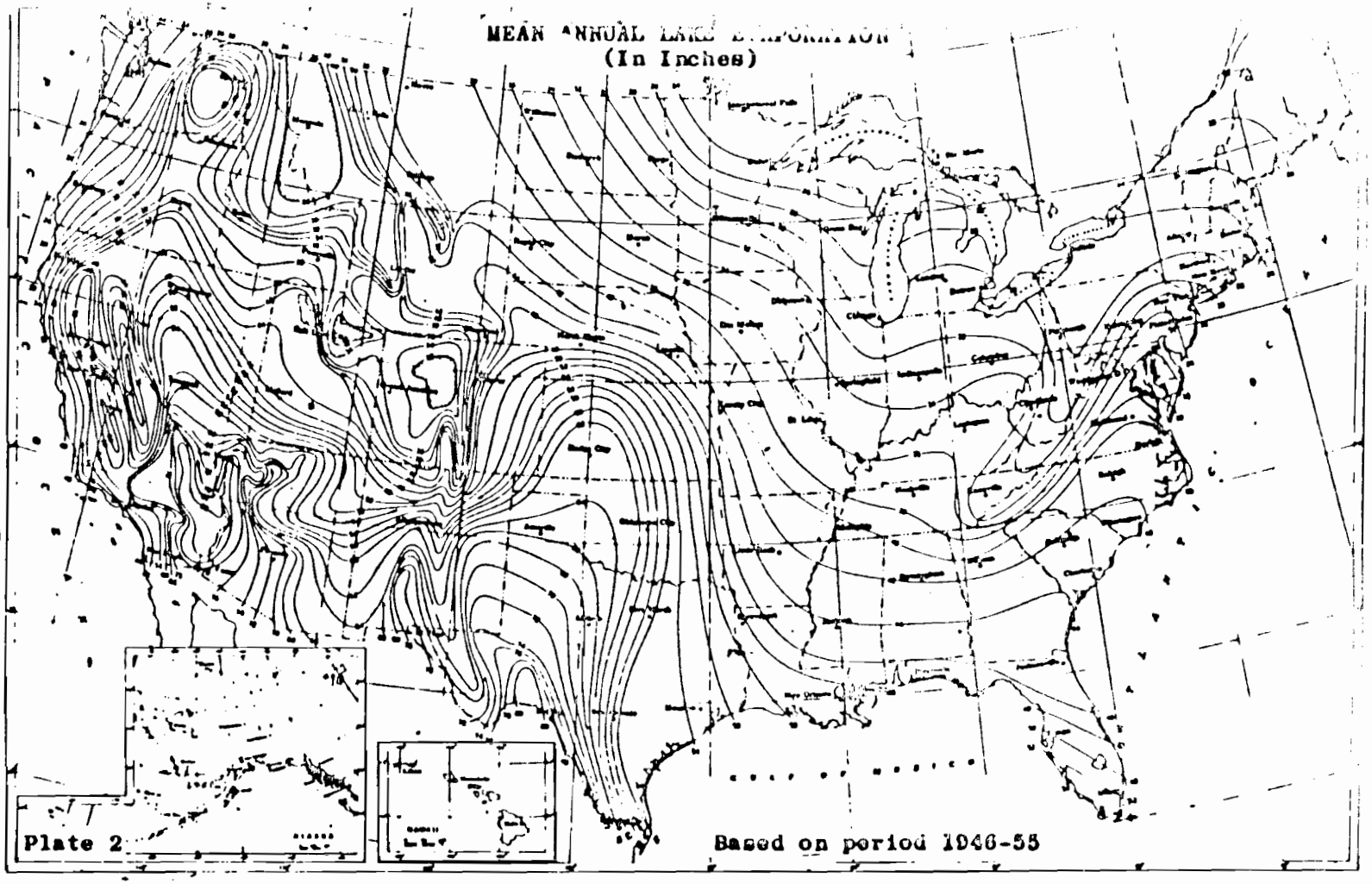
This document describes the Hazard Ranking System (HRS) to be used in evaluating the relative potential of uncontrolled hazardous substance facilities to cause health or safety problems, or ecological or environmental damage. Detailed instructions for using the HRS are given in the following sections. Uniform application of the ranking system in each State will permit EPA to identify those releases of hazardous substances that pose the greatest hazard to humans or the environment. However, the HRS by itself cannot establish priorities for the allocation of funds for remedial action. The HRS is a means for applying uniform technical judgment regarding the potential hazards presented by a facility relative to other facilities. It does not address the [illegible] ability, [illegible] ility, or [illegible] cleanup required. Neither does it deal with the [illegible] ness or ability of a State to carry out such remedial action as may be indicated, or to meet other conditions prescribed in CERCLA.

The HRS assigns three scores to a hazardous facility:

- S_M reflects the potential for harm to humans or the environment from migration of a hazardous substance away from the facility by routes involving ground water, surface water, or air. It is a composite of separate scores for each of the three routes.
- S_{FE} reflects the potential for harm from substances that can explode or cause fires.
- S_{DC} reflects the potential for harm from direct contact with hazardous substances at the facility (i.e., no migration need be involved).

The score for each hazard mode (migration, fire and explosion and direct contact) or route is obtained by considering a set of factors that characterize the potential of the facility to cause harm (Table 1). Each factor is assigned a numerical value (on a scale of 0 to 3, 5 or 8) according to prescribed guidelines. This value is then multiplied by a weighting factor yielding the factor score. The factor scores are then combined: scores within a factor category are added; then the total scores for each factor category are multiplied together to develop a score for ground water, surface water, air, fire and explosion, and direct contact.

BILLING CODE 6560-50-M

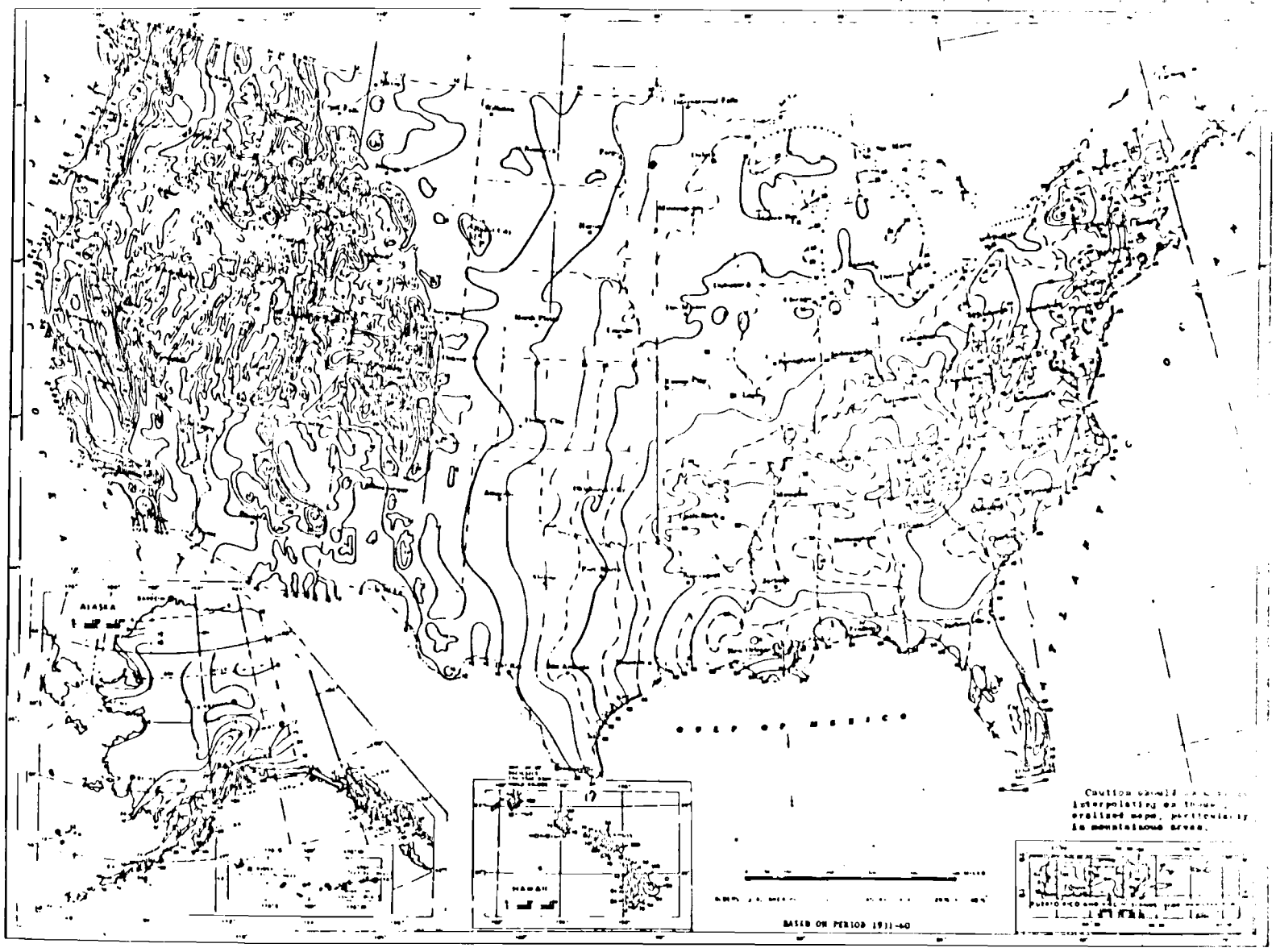


Source: Climatic Atlas of the United States, U.S. Department of Commerce, National Climatic Center, Ashville, N.C., 1979.

Figure 4

Mean Annual Lake Evaporation (In Inches)

Ref 11

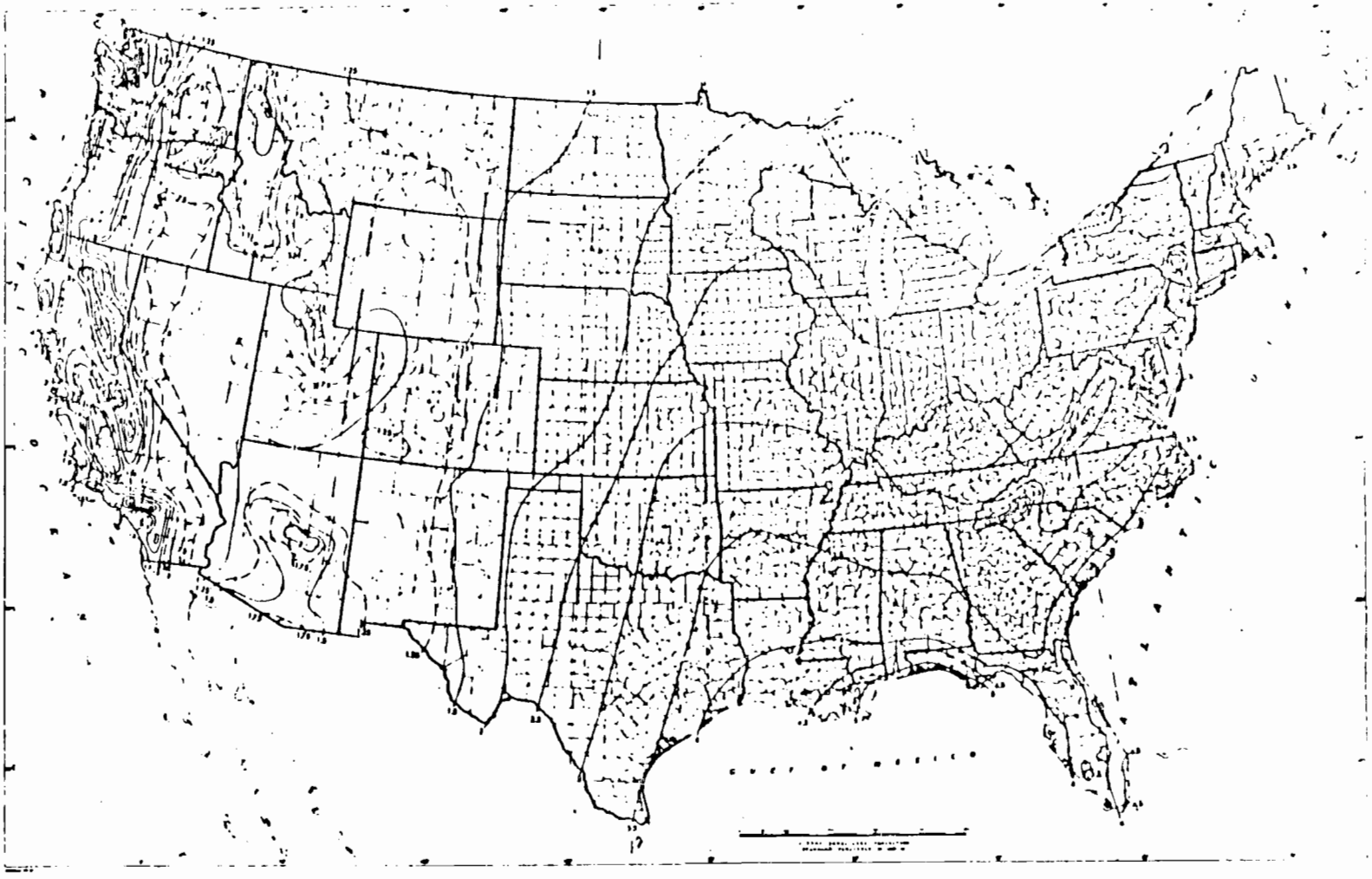


Source: Climatic Atlas of the United States, U.S. Department of Commerce, National Climatic Center, Ashville, N.C., 1979.

Figure 5

Normal Annual Total Precipitation (inches)

BILLING CODE 6560-50-C



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

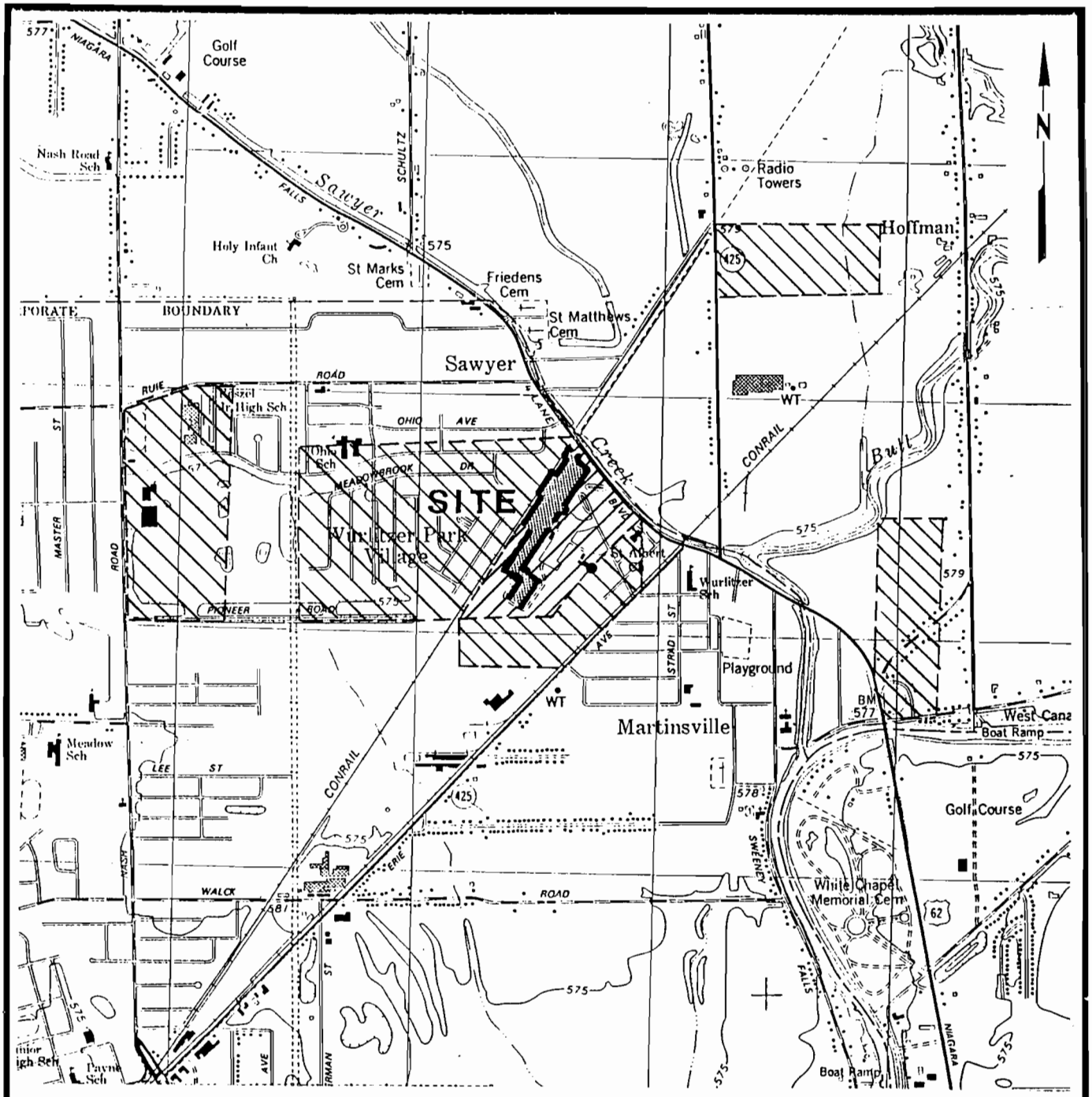
Figure 8

1-Year 24-Hour Rainfall (Inches)

BILLING CODE 6560-50-C

REF. 12

REF. 13



LATITUDE: 43°03'06" N
LONGITUDE: 73°50'39" W

SCALE

0 1000 2000 3000 4000 FEET

FENCED AREA, INSPECTED BY ES AND D & M

INSPECTED BY ES AND D & M

APPROXIMATE AREAS PREVIOUSLY OWNED BY WURLITZER, NOT INSPECTED

REFERENCE: U.S.G.S. 7.5' Topographic Map
Tonawanda East, NY (1980) Quadrangle

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

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

SITE LOCATION MAP
WURLITZER

FIGURE I-1

REF. 14

NYS WETLANDS MAPS

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

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Wurlitzer	908 Niagara Falls Blvd

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
N. Tonawanda	NY	14120	Niagara	063	

09 COORDINATES LATITUDE	LONGITUDE
43° 03' 06.0"	78° 50' 37.5"

10 DIRECTIONS TO SITE (Starting from nearest public road)

From N. Tonawanda, go north on Erie Ave (425), turn left on Niagara Falls Blvd (US 62), Wurlitzer Industrial Park is on the left hand side at 908 Niagara Falls Blvd

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Quinten King	908 Niagara Falls Blvd.

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
N. Tonawanda	NY	14120	(716) 692-1600

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
None	

09 CITY	10 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 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☑ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☑ YES ☐ NO DATE Several (MONTH DAY YEAR)

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☑ C. STATE ☐ D. OTHER CONTRACTOR

☑ E. LOCAL HEALTH OFFICIAL ☑ F. OTHER: Engineering Science/Dames & Moore (Specify)

CONTRACTOR NAME(S): _____

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

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Alleged-heavy metal sludges.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

V. PRIORITY ASSESSMENT

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

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

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency, Organization)	03 TELEPHONE NUMBER
Kathy J. Bosma	Engineering-Science (ES)	(703) 591-7575

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Kathy J. Bosma		ES	( ) same	12, 29, 85 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
LA	

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: Unknown
- CUBIC YARDS: Unknown
- NO. OF DRUMS: Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	Unknown		Alleged heavy metal sludge's

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			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

Interview with Quinton King and Mike Hopkins, 1995
[illegible] Registry Sheet 1995

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

no - likely given ... vulnerability of area

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

unknown

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

none reported to date

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

none reported to date

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

Some potential - site is fenced

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

unknown

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

no - municipal water

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

None reported

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

None reported

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

Unknown

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

Unknown

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

unknown

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

waste disposal site not sanitized - no data

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

Unknown

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

None noted

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

None seen - site visit

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

Site visit Ecland DEM, 1985
Niagara County Soil Survey, USDA, 1972

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Wurlitzer	908 Niagara Falls Blvd

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
N. Tonawanda	NY	14120	Niagara	063	

09 COORDINATES LATITUDE	LONGITUDE
43° 02' 26.0"	-78° 50' 29.5"

10 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
12, 11, 85 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	_____ (BEGINNING YEAR) _____ (ENDING YEAR) ☐ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☒ G. OTHER Engineering-Science / Dames & Moore (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Cathy J. Bosma	Civil Engineer	ES	(703) 591-7575
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Larry Keefe	Geologist	D&M	(315) 463-2572
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Quinton King	Bldg. Manager	908 Niagara Falls Blvd	(716) 692-1600
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	10:00 am	Overcast, cold, sleety, breezy

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Cathy J. Bosma	Engineering-Science (ES)	(703) 591-7575

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Cathy J. Bosma		ES	Jane	12, 29, 85 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	

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: Unknown
- CUBIC YARDS: Unknown
- NO. OF DRUMS: Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

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

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			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

Interview with Quinton King and Mike Hopkins.
NYSDEC Registry sheet 995 (Site Profile Report)

EPA FORM 2070-13(7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

Unknown - but not likely due to distance separating area

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

Unknown - Detail

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

none reported to date

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

none Reported to date

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

Very low potential to public. area is fenced
Very low potential to employees - no waste found

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

Unknown

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

100 - Municipal water supply

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

None reported

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

None reported

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	—

HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

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

None reported

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

None reported

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

unknown

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

disposal site not identified to date

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

NO

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

Unknown - none reported

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

Yes - site #5

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

NO

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

Site visit 12/85

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☑ J. NONE				

III. SITE DESCRIPTION

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

04 TREATMENT (Check all that apply)

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

05 OTHER

- ☑ A. BUILDINGS ON SITE
  Wurlitzer Industrial Park

06 AREA OF SITE

44 (Acres)

07 COMMENTS

The actual site is unknown. It is believed to be in the vicinity of the Wurlitzer Industrial Park. The alleged site is to have contained heavy metal sludges resulting from the production of organs and pianos. It is possible that the wastes and scrap material may have been burned in the Wurlitzer Boiler House.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one) Unknown

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

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

Unknown

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☑ YES ☐ NO

02 COMMENTS Area is fenced, however entrances to the Wurlitzer Industrial Park are not gated or locked.

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

Interview with Guinten King and Mike Hopkins, 1995

NYSDEC Registry Sheet, 1995

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL
COMMUNITY	A. ☒	B. ☐
NON-COMMUNITY	C. ☐	D. ☐

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

03 DISTANCE TO SITE
A. _____ (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☒ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER Unknown

03 DISTANCE TO NEAREST DRINKING WATER WELL N/A (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
~ 34 (ft)	WNW	_____ (ft)	_____ (gpd)	☐ YES ☐ NO

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

N/A known active wells within 3 miles of site

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

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Sawyer Creek	☐	~ 100 ft (mi)
Niagara River	☐	3 (mi)
	☐	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 2554 NO. OF PERSONS	B. 10 381 NO. OF PERSONS	C. 32,581 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION _____ (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
_____	_____ (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Site is a partially fenced industrial park - main business is warehousing - only population is employees, approximately 400.

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

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE *(Check one)*

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☒ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK *(Check one)* Shale

☒ A. IMPERMEABLE *(Less than 10^{-6} cm/sec)* ☐ B. RELATIVELY IMPERMEABLE *($10^{-4} - 10^{-6}$ cm/sec)* ☐ C. RELATIVELY PERMEABLE *($10^{-2} - 10^{-4}$ cm/sec)* ☐ D. VERY PERMEABLE *(Greater than 10^{-2} cm/sec)*

03 DEPTH TO BEDROCK 30-40 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE ______ (ft)

05 SOIL pH ______

06 NET PRECIPITATION 6 (in)

07 ONE YEAR 24 HOUR RAINFALL 2.1 (in)

08 SLOPE

SITE SLOPE 0 % DIRECTION OF SITE SLOPE ______ TERRAIN AVERAGE SLOPE 0 %

09 FLOOD POTENTIAL

SITE IS IN 500 YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS *(5 acre minimum)*

ESTUARINE A. ______ (mi) OTHER B. 1.5 (mi)

12 DISTANCE TO CRITICAL HABITAT *(of endangered species)* ______ (mi)

ENDANGERED SPECIES: ______

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL A. < 1 (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES B. < 1 (mi)

AGRICULTURAL LANDS PRIME AG LAND C. ______ (mi) AG LAND D. < 1 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is former Wurlitzer factory converted to warehouses. Area shows ~~no~~ little to no relief. Surrounding area fields are also flat with little to no slopes. Area NW of RR are other property previously owned by Wurlitzer are not evaluated during the Phase I investigation.

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

USGS topo - 1980 NCHD, 1983
Lo Site 1968
Site visit 1985
Niagara County Soil Survey, USDA, 1985

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03. ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER		None	
SURFACE WATER		"	
WASTE		"	
AIR		"	
RUNOFF		"	
SPILL		"	
SOIL		"	
VEGETATION		"	
OTHER		None	

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNu	No measurable releases of organics were observed during an April 1986 site visit.

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF Engineering-Science, Wurlitzer Bldg Manager
(Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS
Site map of site was updated during site investigation, Facility Blueprint

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

An aerial photo was inspected (City of N. Tonawanda, Bldg. Insp Office). Date is unknown but believed to be 1940-1950 (Wurlitzer in operation). No signs of dumping on property noticed - to include Wurlitzer property to the North and East.

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

Site inspection by ES and DEM on 12-11-85
Aerial photo located in Bldg. Inspectors Office, C. N. Tonawanda, NY

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	

II. CURRENT OWNER(S) | **PARENT COMPANY** (If applicable)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Quinten King			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
968 Niagara Falls Blvd.			
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE
N. Tonawanda	NY 14120		

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Wurlitzer			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE
?	Ind		

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Leisure United			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
6			
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first) | **IV. REALTY OWNER(S)** (If applicable; list most recent first)

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

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

Interview with Quinten King during site visit.

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Quinton King	

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

05 CITY	06 STATE	07 ZIP CODE
N. Tonawanda	NY	14120

08 YEARS OF OPERATION	09 NAME OF OWNER
1978 - Present	Same

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

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

14 CITY	15 STATE	16 ZIP CODE

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

01 NAME	02 D+B NUMBER
United Leisure	

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

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1965 - Present Unknown	Part Owner

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

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

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER
Wurlitzer	

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

05 CITY	06 STATE	07 ZIP CODE
DeKalb	IL	

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1892 - 1965	

10 NAME	11 D+B NUMBER

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

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

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

14 CITY	15 STATE	16 ZIP CODE

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

Interview with Quinton King during site visit. 12-11-85

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	—

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Wurlitzer Industrial Park	

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

05 CITY	06 STATE	07 ZIP CODE
N. Tonawanda	NY	14120

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
none			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Not applicable			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

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

Interview with Quinton King during site visit. 12-11-85

NYSDEC site profile report

EPA

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

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

II. PAST RESPONSE ACTIVITIES — Not Applicable

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION — None

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE ____ — 03 AGENCY ____
04 DESCRIPTION

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	

II PAST RESPONSE ACTIVITIES (Continued) Not Applicable

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

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

EPA

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

I. IDENTIFICATION	
01 STATE: NY	02 SITE NUMBER:

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☑ NO

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

Not applicable

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

SECTION VI
ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

ASSESSMENT OF DATA ADEQUACY

The location or existence of the Wurlitzer disposal site has not been determined by previous NYSDEC and NYSDOH investigations, or during this Phase I study. Although some information was obtained about possible operations at the Wurlitzer facility, it was not determined if hazardous wastes were disposed of on-site. However, the waste management practices typically used by industry during the period that Wurlitzer operated in North Tonawanda (1908-1974) indicate that some type of on-site disposal may have occurred.

The HRS score for the Wurlitzer site is zero because monitoring has not been conducted since a disposal site has not been identified to date. However, another Phase I study should be conducted of the possible disposal sites identified by Mike Hopkins of the NCHD because the wastes potentially disposed of on-site would likely be toxic and persistent compounds (i.e., heavy metals and solvents). Based on the results of the separate Phase I study, a Phase II monitoring progrm would be developed, if areas suspected of receiving hazardous wastes are identified.

TABLE VI-1

ASSESSMENT OF DATA ADEQUACY

HRS Data Requirement	Comments on Data
Observed Release	
Groundwater	Inadequate for HRS score
Surface Water	Inadequate for HRS score
Air	Adequate for HRS score
Route Characteristics	
Groundwater	Inadequate for HRS score
Surface Water	Adequate for HRS score
Air	Inadequate for HRS score
Containment	Not applicable - no disposal site identified
Waste Characteristics	Inadequate for HRS score
Targets	Adequate for HRS score
Observed Incident	Adequate for HRS score
Accessibility	Adequate for HRS score

APPENDIX A
REFERENCES

Sources Contacted
Documentation

SOURCES CONTACTED SUMMARY SHEET
WURLITZER

Person Contacted/ Location	Telephone #	Date	Information Collected
Glenn Hardcastle USEPA Headquarters, Superfund Office 401 M Street, SW Washington, DC	202-382-5617	12/19/85	Reviewed list of sites to determine if additional information was available.
John Anderson USEPA-Region II EPA Information 345 3rd St., Suite 530 Niagara Falls, NY 14305	716-285-8842	1/6/86	General information from site files.
Charley Hudson NYSDOH Empire State Plaza Corning Tower Albany, NY 12237	518-474-2121	12/30/85	Draft Reports.
Kevin Walters NYSDEC-Div. of Environmental Enforcement 50 Wolf Road Albany, NY 12233	518-457-4346	11/20/85	Reviewed list of sites to determine legal actions taken.
Walt Demick NYSDEC-Div. of Solid & Haz. Waste 50 Wolf Road Albany, NY 12233	518-457-0639	11/19/85	General information from site files.
Bob Hannaford NYSDEC-Div. of Water SPDES Files 50 Wolf Road Albany, NY 12233	518-457-6716	11/20/85	Reviewed SPDES files for permit numbers and conditions.
Val Washington NYS - Dept. of Law, Attorney General's Office Empire State Plaza Albany, NY 12233	518-473-3105	12/16/85	Reviewed list of sites to determine if legal action has occurred in the past, is in progress, and/or is scheduled in the near future.

SOURCES CONTACTED SUMMARY SHEET
WURLITZER

Person Contacted/ Location	Telephone #	Date	Information Collected
Jeff T. Lacey Peter Burke Glenn Bailey NYS - Div. of Environmental Enforcement 600 Delaware Ave. Buffalo, NY 14202	716-847-4582	12/27/85 1/7/86	Reviewed list of sites to determine legal actions taken.
Peter Buechi Ahmad Tayyebi Bob Mitrey Larry Clare NYSDEC - Region 9 Div. of Solid & Haz. Waste 600 Delaware Ave. Buffalo, NY 14202	716-847-4585	11/14/85	Collected information from site files.
Lou Violanti NYS - Regional Dept. of Health 585 Delaware Ave. Buffalo, NY 14202	716-847-4500	11/15/85	Sent site information to Peter Buechi.
Henry Sondonato Robert Armbrust Dick Dybowski Larry Stiller Jackie DiPronio NYSDEC - Region 9 Division of Air 600 Delaware Ave. Buffalo, NY 14202	716-847-4565	11/15/85	Air emissions permits for sites.
Mike Wilkenson Jim Sneider NYSDEC - Region 9 Div. of Fish & Wildlife 600 Delaware Ave. Buffalo, NY 14202	716-847-4600	11/14/85	Endangered species information.
Mike McMurray NYSDEC - Region 9 600 Delaware Ave. Buffalo, NY 14202	716-847-4551	1/8/86	Wetlands and flood zone information.

SOURCES CONTACTED SUMMARY SHEET
WURLITZER

Person Contacted/ Location	Telephone #	Date	Information Collected
Marion Pfohl Spencer Schofield Erie and Niagara County Regional Planning Board 3103 Sheraton Dr. Amherst, NY 14226	716-837-2035	12/20/85	Census data, general site information.
Mike Hopkins Niagara County Department of Health 10th & East Falls Niagara Falls, NY 14302	716-284-3124	11/20/85 12/12/85	Collected information from Niagara County site files; obtained additional information through interview.
Joanne Elsworth Niagara County Environmental Division 59 Park Avenue Lockport, NY 14094	716-439-6033	12/20/85	Census data, general information.
Mike McMurray NYSDEC - Region 9 Buffalo, NY	716-847-4551	1/8/86	Wetlands and flood zone.
Quinton King Wurlitzer Bldg. Manager 908 Niagara Falls Blvd. N. Tonawanda, NY 14120	716-692-1600	12/11/85	Interview: ownership, disposal practices, etc.

REFERENCES
WURLITZER

15. King, Quinton, Manager of Wurlitzer Industrial Park, Interview, 12/11/85.

16. NYSDEC, Ambient Water Quality Standards and Guidance Values, July 24, 1985.

17. Weisse, Leah, Curator for Regional History Center, Northern Illinois University, letter dated 1/21/86 (pictures included).

INTERVIEW FORM

INTERVIEWEE/CODE: QUINTON [illegible] /

TITLE - POSITION: MANAGER - WURLITZER INDUSTRIAL PARK

ADDRESS: 908 NIAGARA FALLS BLVD, N. TONAWANDA, NY

CITY: STATE: ZIP:

PHONE: (716) 692-[illegible] RESIDENCE PERIOD: 1975-76 TO PRES

LOCATION: SAME AS ABOVE INTERVIEWER: L. KEEFE / C. BOSNIAK

DATE/TIME: 12/11/85 / 9:00-10:30 a.m.

SUBJECT: WURLITZER SITE

REMARKS: MR. KING PROVIDED INFORMATION RELATED TO THE OLD WURLITZER FACTORY. IT IS BELIEVED THAT THE MAJORITY OF THE OPERATIONS WAS ASSEMBLY - ONLY MANUFACTURING WOULD HAVE BEEN OF THE WOOD CABINETS. THE PLANT WAS PHASED OUT IN 1965 ~~[illegible]~~ AND SOLD TO UNITED LEISURE IN '78. FROM '65 TO '77 THE PLANT WAS BASICALLY A WAREHOUSING OPERATION [illegible] ~~THE PLANT WAS [illegible]~~

BACKGROUND INFO ON GENERAL WURLITZER OPERATIONS [illegible] THAT NO [illegible] WAS DONE IN THE [illegible] AREA [illegible] PARTS USED [illegible]. MOST [illegible] WOULD HAVE BEEN MANUFACTURED [illegible].

MOST LIKELY ANY [illegible] WASTE WOULD HAVE BEEN [illegible] [illegible] TOWN OF TONAWANDA.

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE: [signature] Mgr. 12/11/85

COMMENTS:

REF. 15

INTERVIEW FORM

INTERVIEWEE/CODE Quinton King /

TITLE - POSITION Manager - Wurlitzer Industrial Park

ADDRESS 908 Niagara Falls Blvd., N. Tonawanda, NY

CITY _____ STATE _____ ZIP _____

PHONE (716) 692-1600 RESIDENCE PERIOD 1975-76 TO present

LOCATION same as above INTERVIEWER L. Keefe/C. Bosma

DATE/TIME 12/11/85 / 9:00 - 10:30 a.m.

SUBJECT: Wurlitzer site

REMARKS: Mr. King provided information related to the Old Wurlitzer Factory. It is believed that the majority of the operations was assembly - only manufacturing would have been of the wood cabinets. The plant was phased out in 1965 and sold to United Leisure about 1978. From '65 to '77 the plant was basically a warehousing operation only.

Background information. Wurlitzer operations indicated no dumping was done on the property. Area was well kept (verified by past photos - around 1940). Most refuse would have been incinerated for boiler.

Most likely any other waste would have been disposed of by Town of Tonawanda.

I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:

SIGNATURE: /s/ Quinton King, Manager 12/11/85

COMMENTS:

REF. 16

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-0001

Henry G. Williams
Commissioner

July 24, 1985

MEMORANDUM

TO: Bureau Directors, Regional Water Engineers, Section Chiefs

SUBJECT: Division of Water Technical and Operational Guidance Series (85-W-38)

Ambient Water Quality Standards and Guidance Values
(Originator: John Zambrano)

I. Purpose

The purpose of this document is to provide a compilation of water quality standards and guidance values for toxic and non-conventional pollutants to be used in the Department's regulatory programs, including the SPDES permit program.

II. Discussion

This substantial revision of TOGS 85-W-38 is the result of the promulgation of amendments to 6 NYCRR Part 701-702, effective on August 2, 1985, governing the development and use of surface water quality standards and guidance values. This revision uses a new format in the tabulation and does not include the methodologies for the development of standards and guidance values. The user is referred to the regulations for a description of the methodologies.

III. Guidance

The Quality Evaluation Section will use the attached list in developing SPDES permit water quality-based effluent limits. The Criteria and Standards Section will maintain and revise the list on a regular basis.

for Daniel M. Barolo, P.E.
Director
Division of Water

Attachments
cc: Dr. Banks
Mr. Pagano
Mr. Mt. Pleasant
Regional Engineers for Environmental Quality
Ms. Chrimes

REF 17

Northern Illinois University
DeKalb, Illinois 60115

Regional History Center
Swen Parson Hall
815 753 1779

January 21, 1986

Ms. Kathy Bosma
Engineering Science
10521 Rosehaven Street
Fairfax, VA 22030

Dear Ms. Bosma:

This is in reply to your phone call of January 17, 1986 concerning Wurlitzer's North Tonawanda plant. The Regional History Center collects business records and private manuscripts from the Northern Illinois area, in addition it houses the Northern Illinois University Archives. The Wurlitzer Company deposited its records, here, in keeping with the Center's policy and purpose.

Although the Wurlitzer Records collection is rather large, it does not contain the type of information you requested. Unfortunately, the company did not include any Board minutes or plant manager reports in the records they transferred to the Center. However, there are photographs of the North Tonawanda manufacturing facilities. Enclosed you will find a list of the machines used in the plant in 1951 and several photocopies of the facilities, dated 1951 and 1939. Wurlitzer took over manufacturing operations at North Tonawanda in 1908. The site was used to produce automatic musical instruments (somewhat like oversized music boxes), player pianos and, after 1934, juke boxes. Most of the photos depict assembly of juke boxes. The plant was changed to the company's engineering and research center in 1974, when juke box production ended. In 1977 the engineering and research center was moved to the DeKalb, Illinois site and the North Tonawanda facilities were completely closed.

I realize this is not the information you asked for, however, the photocopies should be of some help in your research. Thank you for contacting the Center and good luck in your research.

Sincerely,

Leah Weisse

Leah Weisse, Curator
Regional History Center

LW:emd
Enclosures

THE RUDOLPH WURLITZER COMPANY

NORTH TONAWANDA DIVISION

METALWORKING MACHINERY AND EQUIPMENT

Type and Quantity

Punch Press - 44
Pneumatic Arbor Presses - 8
Hydraulic Presses - 12
Arbor Presses - 38
Shears - 15
Power Brakes - 3
Hand Brakes - 5
Milling Machines - 37
Lathes - 49
Turret Lathes - 14
Automatic Screw Machines - 17
Boring Machines - 2
Drill Presses - 156
Production Grinders - 20
Tapping Machines - 4
Spotwelders - 20
Aluminum Arc Welders - 6
D.C. Arc Welders - 4
Ovens & Furnaces - 13
Shapers - 6
Tool Grinders - 20

PLATING AND POLISHING EQUIPMENT

Type and Quantity

Automatic Plating Machines - 2
Semi-Automatic Plating Machines - 2
Hand Plating Tanks - 7
Degreasers - 2
Necessary Cleaning & Filtering Equipment
Polishing and Buffing Lathes - 22

1/19/51

WOODWORKING MACHINERY AND EQUIPMENT

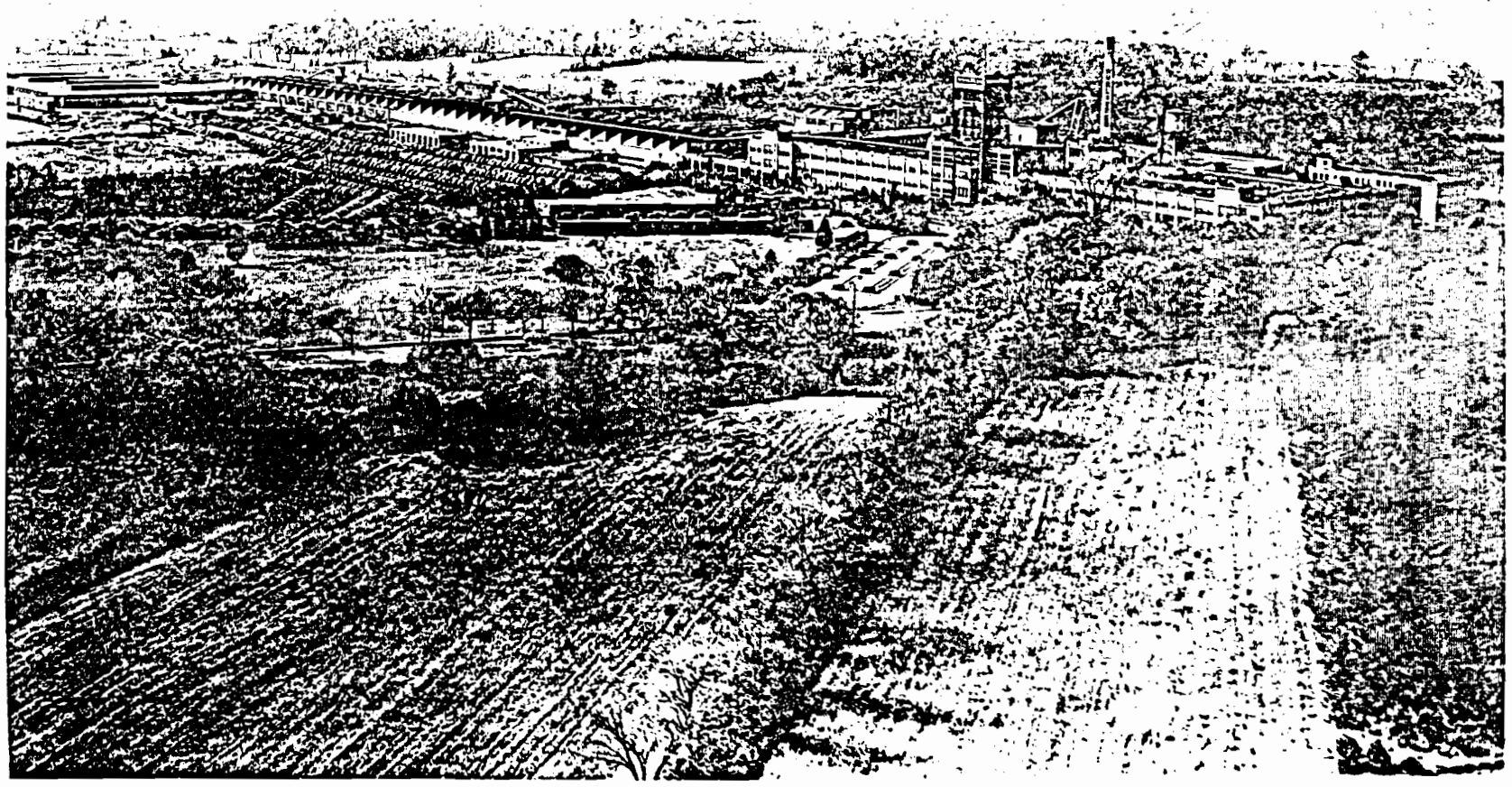
Type and Quantity

Boring Machines - 15
Jointers - 10
Double End Tenoners - 3
Planers - 5
Automatic Lathes - 3
Shapers Automatic - 2
Shapers Hand - 5
Saws - 61
Routers - 15
Stickers - 2
Mortising Machines Automatic - 2
Saw Filing Machines - 11
Glue Clamp and Carriers - 26
Glue Spreaders - 25
Sanders - 23
Veneer Shears - 3
Veneer Splicing Machines - 4
Glue Mixers and Cookers - 3
Veneer Presses - 2
Hi-Frequency Dielectric Units - 2
Spray Booths - 29

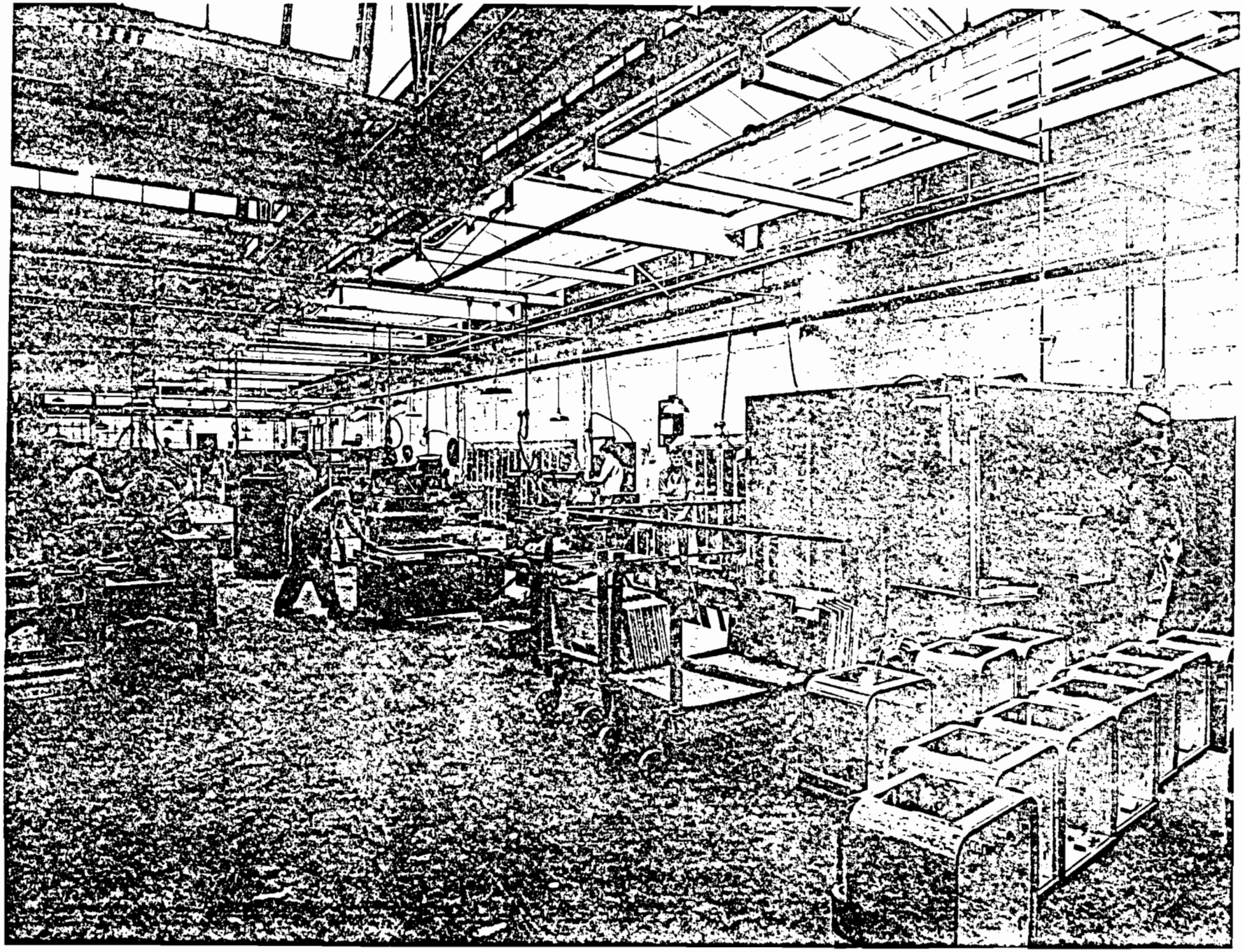
MISCELLANEOUS EQUIPMENT

Type and Quantity

Tensile Tester 30 tone
Cut-off Machines - 2
Gear Hobber
Jig Borer
Metal Cutting Band Saws
Sand Blast Cabinets Size 48" x 30"
Riveting & Eyeleting Machines - 31
Tumbling Barrels
Coil Winders - 4
Wire Cutting & Stripping Machines - 5

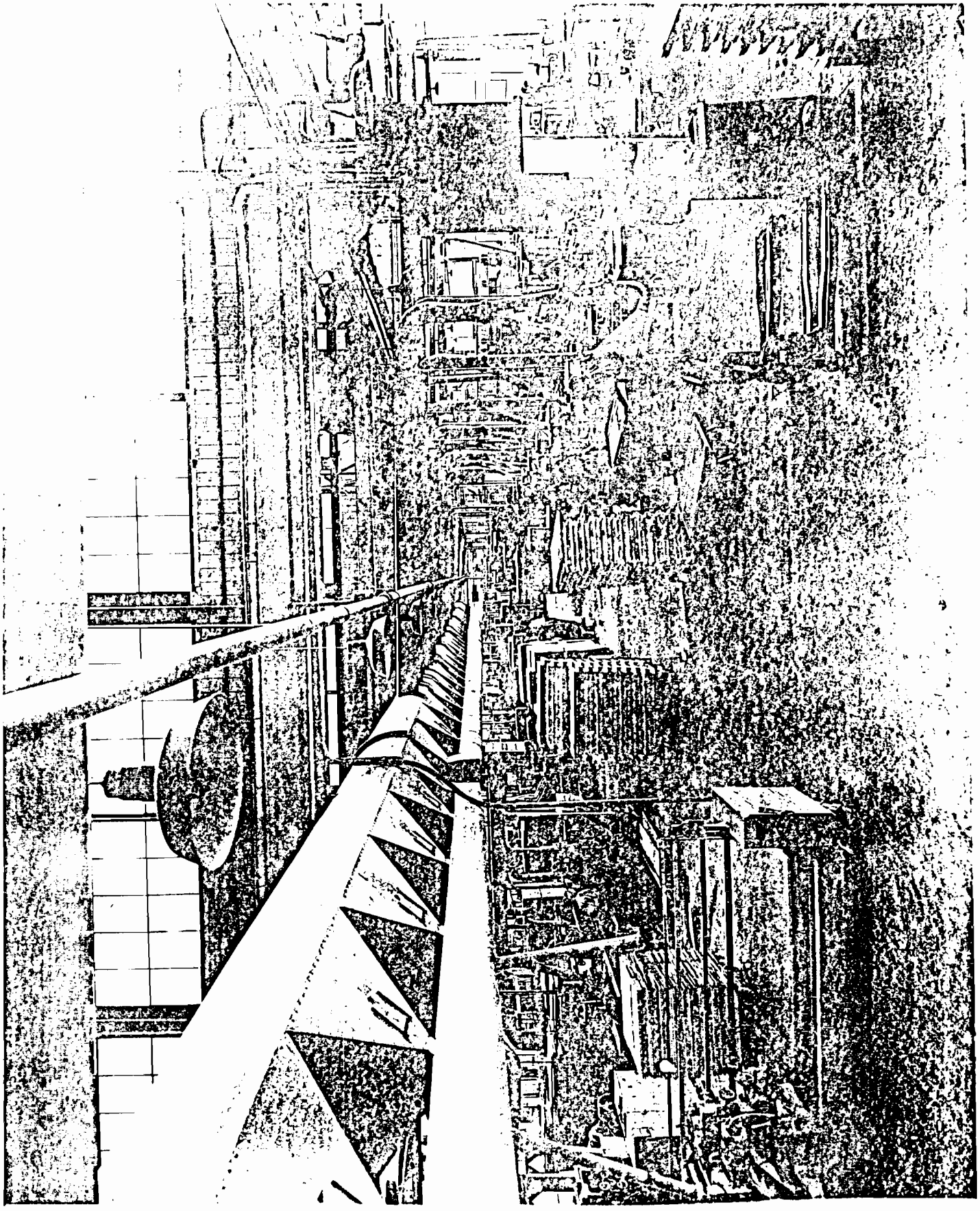


1951 Aerial View of Wurlitzer North Tonawanda Plant



1939 Wurlitzer N. Tonawanda Plant

REF-17



APPENDIX B

PROPOSED UPDATED NYS REGISTRY SHEET

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

CLASSIFICATION CODE: 2a **REGION:** 9 **SITE CODE:** 932041

NAME OF SITE : Wurlitzer
STREET ADDRESS: Niagara Falls Boulevard
TOWN/CITY: North Tonawanda **COUNTY:** Niagara **ZIP:**

SITE TYPE: Open Dump- Structure- Lagoon- Landfill-X Treatment Pond-
ESTIMATED SIZE: 44 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Wurlitzer
CURRENT OWNER ADDRESS.: 908 Niagara Falls Blvd., North Tonawanda, NY
OWNER(S) DURING USE...: Wurlitzer
OPERATOR DURING USE...: Same
OPERATOR ADDRESS.....: Same as above
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From unknown To unknown

SITE DESCRIPTION:

The 44-acre Wurlitzer site is located in North Tonawanda, Niagara County, New York and includes the Wurlitzer Building which occupies approximately 14 acres of the property. From 1908 to 1977, the site was owned by Wurlitzer Industries. The disposal of the heavy metal sludges is suspected to have occurred between 1908 and 1965. The sludges were generated during the manufacture of organs and pianos. The location of the alleged disposal site and the quantity of waste disposal has not been confirmed. The Phase I site investigation included inspection of the 14-acre building site. Since the site inspection, NCMD identified additional areas previously owned by Wurlitzer which could have potentially received wastes. Currently the Wurlitzer Building houses 80 tenants and is no longer owned by Wurlitzer.

HAZARDOUS WASTE DISPOSED: Confirmed- Suspected -X

TYPE	QUANTITY (units)
Heavy metals sludges	

ANALYTICAL DATA AVAILABLE:

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

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

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

REMEDIAL ACTION:

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

GEOTECHNICAL INFORMATION:
SOIL TYPE: Not known
GROUNDWATER DEPTH: Not known

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

In the absence of any field data, no final assessment can be made.However there is no evidence of any problem at the site.

ASSESSMENT OF HEALTH PROBLEMS:

Insufficient Information

PERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

NAME.: Abul Barkat
TITLE: Sr. Sanitary Engr.

NAME.: Peter Buechi
TITLE: Associate Sanitary En g.

DATE.: 01/24/85

NEW YORK STATE DEPARTMENT OF HEALTH

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

NAME.:
TITLE:

DATE.: 01/24/85