932006

BRZEZINSKI LANDFILL

(LYNCH PARK)

NEW YORK STATE SUPERFUND

PHASE I SUMMARY REPORT

932006

September 6, 1983

Prepared by:

Recra Research, Inc.
4248 Ridge Lea Road
Amherst, New York 14226

For:

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

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PHASE I SUMMARY REPORT

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1.0 EXECUTIVE SUMMARY

The Brzezinski Landfill (Lynch Park) is a 20-acre inactive landfill located adjacent to the Niagara River in the Town of Wheatfield, Niagara County, New York. The site is adjacent to the 200-unit Lynch Trailer Park and several seasonal residences. The 15 acre section of the site formerly used for landfilling is now elevated approximately 10 to 15 feet above the surrounding terrain on its west side. The surface of the site was originally graded to be level; but additional loads of clean fill have been received and were not graded. Little evidence of either ponded water or leachate breakouts water exists around the site.

During its active life from 1965 through 1972, the landfill received mostly inert industrial wastes from Carborundum Company and Bell Aerospace in Niagara Falls. Some incinerator ash was also received from a City of Niagara Falls facility. There are no records indicating that hazardous wastes were deposited at this site and there has been a minimum of sampling at the site. Of the three soil samples taken from the landfill, one has shown some evidence of organic chemicals.

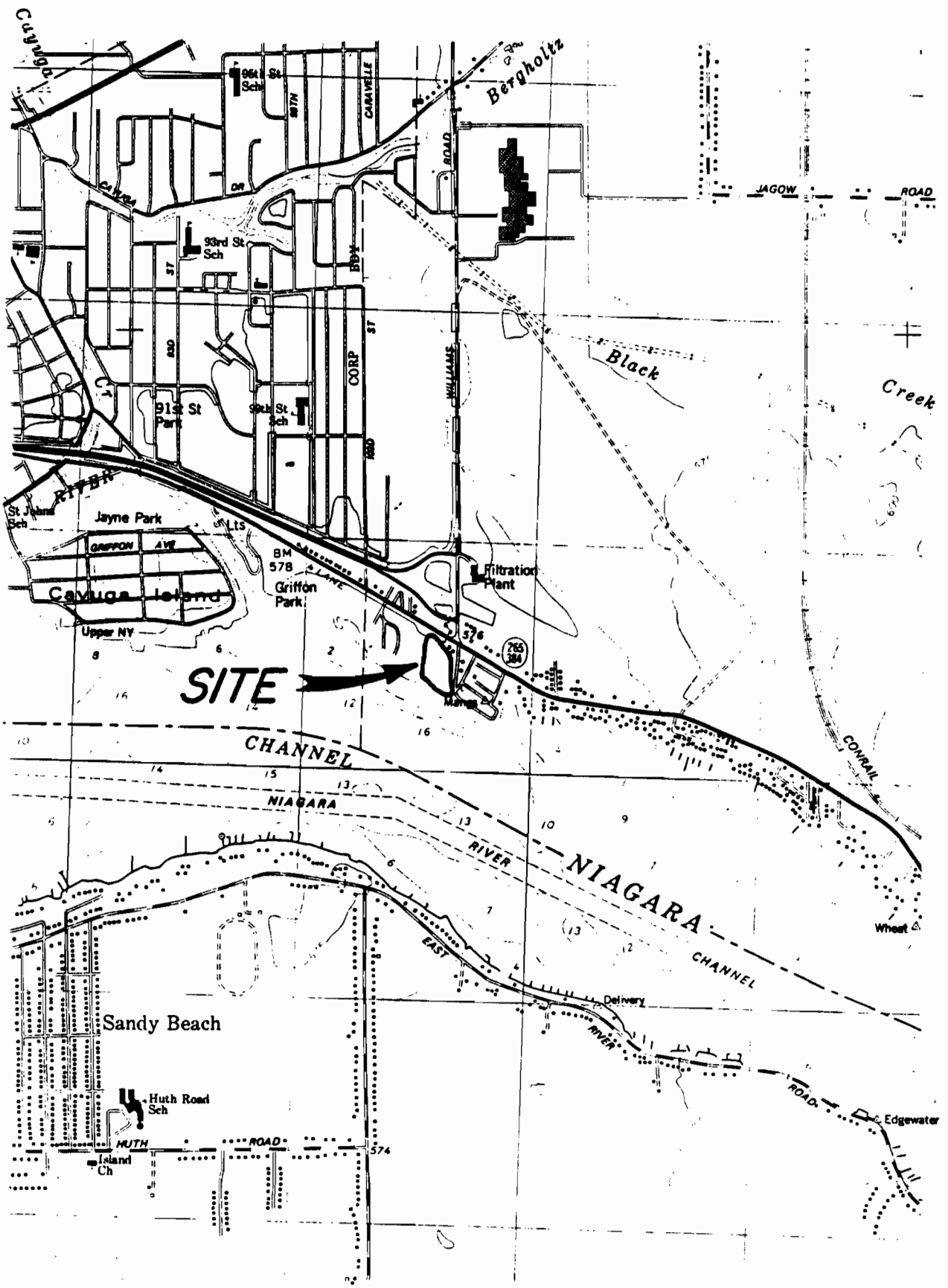
The site has a low potential to impact either public health or the environment. Although the landfill is located immediately adjacent to the Niagara River, there are no known water intakes within three miles of the site. In addition, the local groundwater is not used for drinking purposes, and there are no critical habitats or designated wetlands downgradient of the site.

2.0 SITE DESCRIPTION

The Brzezinski Landfill is located within the Town of Wheatfield, Niagara County, New York (Figure 1). The site was operated from 1965 through 1972, and during this period it received solid waste primarily from Carborundum Company's Bonded Abrasives Division and Bell Aerospace Textron, both of Niagara Falls. Approximately twenty-five loads of ash from the City of Niagara Falls incinerator were also deposited at the site. Most of the cover material used at the site was received from a sewer project being implemented in the vicinity of the landfill.

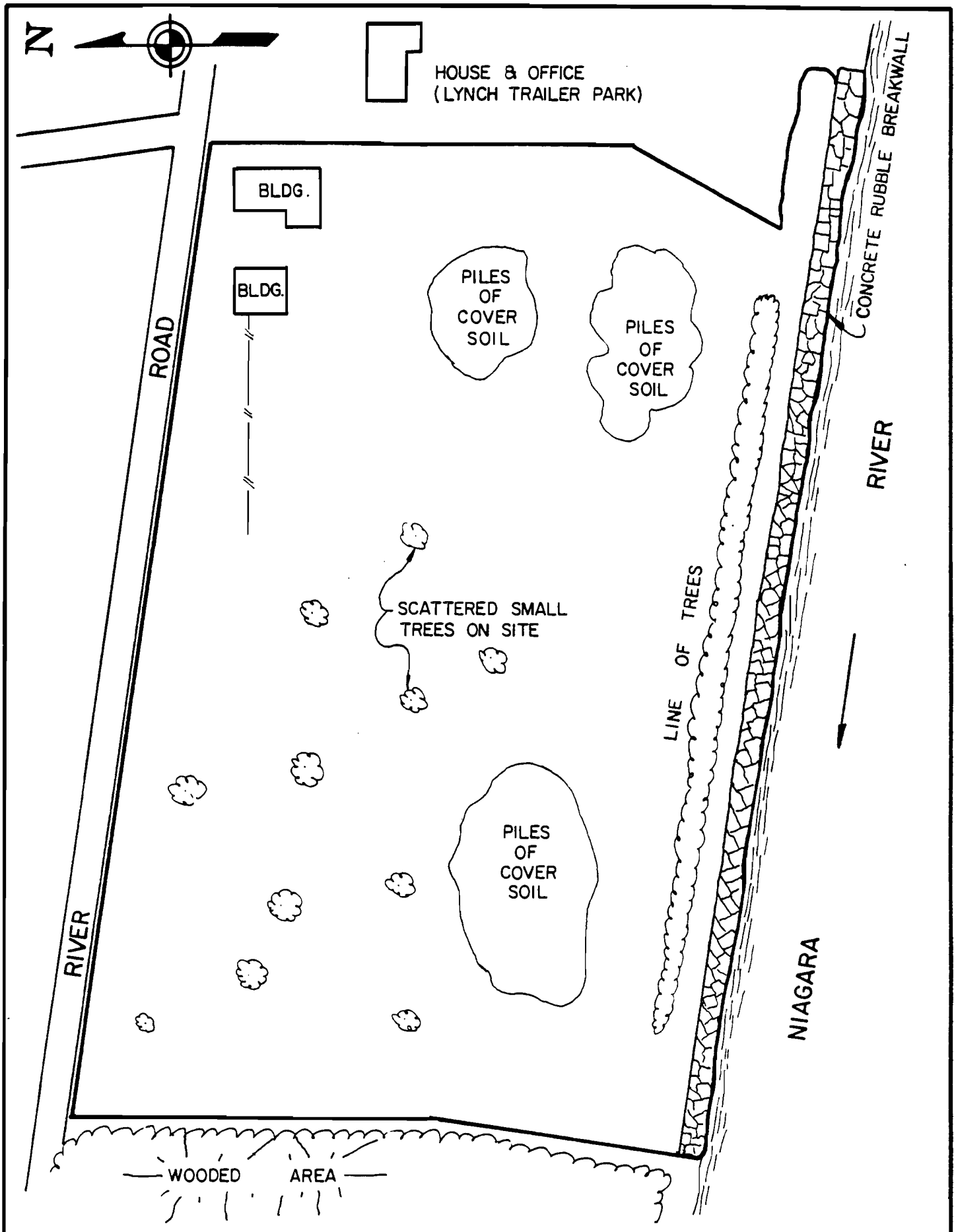
The land the site is located on was reclaimed from the Niagara River channel. An earthen berm was constructed across the mouth of a small cove in the 1960's, and was subsequently reinforced with concrete rubble and other similar materials. The site, which is presently inactive, shows few signs of ponded water on its surface, and exhibits no evidence of leachate breakouts (Figure 2). The only analytical testing completed to date has been on three soils samples taken by the USGS.

The present owners of the site property are all siblings, having received ownership following the death of their mother, who had purchased the land in 1962. Stanley Brzezinski, one of the four owners, also operated the site during its use as a landfill, and still is responsible for maintenance of the site.



USGS TOPOGRAPHIC 7.5 MINUTE TONAWANDA WEST QUAD. 1976	VICINITY MAP BRZEZINSKI LANDFILL	FIGURE NO. 1

DWG. NO. A-1509



A-1529

URS	URS Company, Inc. CONSULTING ENGINEERS NEW YORK NEW JERSEY	SITE MAP BRZEZINSKI LANDFILL	FIGURE 2

3.0 PRELIMINARY HAZARD RANKING SYSTEM SCORE

Facility Name: Brzezinski Landfill (Lynch Park)

Location: 2040 River Road, Wheatfield, New York

EPA Region: 2

Person(s) in Charge of the Facility: Stanley Brzezinski
2080 River Road
Niagara Falls, N.Y. 14034

Name of Reviewer: Recra Research, Inc. **Date:** September 18, 1984

General Description of the Facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Inactive landfill. Site reclaimed from Niagara River Channel and subsequently used for disposal of inert materials from industries in Niagara Falls. Contaminants detected in one soil sample. No water samples ever taken.

Scores: S_M = .82 (S_{gw} = 0.6 S_{sw} = 1.0 S_a = 0)

S_{FE} = 0.9

S_{DC} = 0.1

No range for Sm at this site

HRS COVER SHEET

GROUND 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	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	6	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	1	3	
	Total Route Characteristics Score			10	15	
3	CONTAINMENT	0 1 2 (3)	1	3	3	3.3
4	WASTE CHARACTERISTICS					3.4
	Toxicity/Persistence	0 [3] 6 9 12 15 18	1	3	18	
	Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	1	8	
	Total Waste Characteristics Score			4	26	
5	TARGETS					3.5
	Ground Water Use	0 [1] 2 3	3	3	9	
	Distance to Nearest Well/Population Served	[0] 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
	Total Targets Score			3	49	
6	If line [1] is 45, multiply [1] x [4] x [5] If line [1] is 0, multiply [2] x [3] x [4] x [5]				57,330	360
7	Divide line [6] by 57,330 and multiply by 100			S_{gw} = 0.6		

GROUNDWATER ROUTE WORK SHEET

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	1	3	
Total Route Characteristics Score			9	15	
[3] Containment	0 1 2 (3)	1	3	3	4.3
[4] Waste Characteristics					4.4
Toxicity/Persistence	0 [3] 6 9 12 15 18	1	3	18	
Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			4	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]			1048	64,350	
[7] Divide line [6] by 64,350 and multiply by 100		S_{sw} =	1.0		

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 OBSERVED RELEASE	(C) 45	1	◯	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, then 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 Quantity	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 = ◯		

AIR ROUTE WORK SHEET

	S	S^2
Groundwater Route Score (S_{gw})	0.6	0.4
Surface Water Route Score (S_{sw})	1.006993	1.014
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		0
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		1.414
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		.82

FIGURE 10
WORKSHEET FOR COMPUTING S_M

FIRE AND EXPLOSION WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Containment	(1) 3	1	1	3	7.1
2 Waste Characteristics					7.2
Direct Evidence	(0) 3	1	0	3	
Ignitability	(0) 1 2 3	1	0	3	
Reactivity	(0) 1 2 3	1	0	3	
Incompatibility	(0) 1 2 3	1	0	3	
Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			1	20	
3 Targets					7.3
Distance to Nearest Population	0 1 2 (3) 4 5	1	3	5	
Distance to Nearest Building	0 1 (2) 3	1	2	3	
Distance to Sensitive Environment	(0) 1 2 3	1	0	3	
Land Use	0 (1) 2 3	1	1	3	
Population Within 2-Mile Radius	0 1 2 (3) 4 5	1	3	5	
Buildings Within 2-Mile Radius	0 1 2 3 (4) 5	1	4	5	
Total Target Score			13	24	
4 Multiply [1] x [2] x [3]			13	1,440	
5 Divide line [5] by 1,440 and multiply by 100			S_{FE} = 0.9		

FIRE AND EXPLOSION WORK SHEET

DIRECT CONTACT WORK SHEET					
Rating Factor	Assigned Value (Circle One)	Multiplier	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	3	3	8.2
3 Containment	(0) 15	1	0	15	8.3
4 Waste Characteristics Toxicity	(0) 1 2 3	5	0	15	8.4
5 Targets					8.5
Population within a 1-mile radius	0 1 (2) 3 4 5	4	8	20	
Distance to a critical habitat	(0) 1 2 3	4	0	12	
Total Targets Score			11	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			14	21,600	
7 Divide line 6 by 21,600 and multiply by 100			S_{DC} = 0.1		

DIRECT CONTACT WORK SHEET

3.1 Documentation Records for Hazard Ranking System

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Brzezinski Landfill (Lynch Park)

LOCATION: 2040 River Road, Wheatfield, Niagara County, New York

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Groundwater Not Sampled

Rationale for attributing the contaminants to the facility:

---

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Groundwater occurs in both the Lockport dolomite bedrock and unconsolidated materials beneath site. Bedrock serves as the primary aquifer of the region, but overburden is deep and water table is near ground surface. Define aquifer of concern as overburden aquifer. (Ref. 1)

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

6 feet (Ref. 2)

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

15 feet (Ref 3)

Net Precipitation

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

37.52 inches per year (Ref. 4)

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

28.0 inches per year (Ref. 5)

Net precipitation (subtract the above figures):

9.52 inches per year

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Canandaigua silt loam – (deep, poorly drained, medium textured, often found in depress with ponded water) (Ref. 6)

Permeability associated with soil type:

$< 10^{-5} \geq 10^{-7}$ cm/sec

Physical State

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

Unconsolidated solids (Ref. 7)

No information on hazardous wastes

Used lowest non-zero score

* * *

Is the facility completely surrounded by areas of higher elevation?

No

1-Year 24-Hour Rainfall in Inches

2.1 inches (Ref. 12)

Distance to Nearest Downslope Surface Water

0 feet (Ref. 13)

Physical State of Waste

Unconsolidated Solids (Ref. 7)
No information on hazardous wastes
used lowest non-zero value
* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Landfill - No liner (Ref. 3)

Method with highest score:

See above

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Landfill - No liner (Ref. 3)

Method with highest score:

See above

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

No known hazardous wastes deposited at the site.
Corporations dumping there did produce hazardous wastes
but this site seems to have received only inert residuals
Used lowest non-zero score. (Refs. 3, 7, 8)

Compound with highest score:

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):

See Toxicity and Persistence above

Used lowest non-zero score

Basis of estimating and/or computing waste quantity:

---

* * *

5 TARGETS

Ground Water Use

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

Not used but usable (Ref. 9)

Distance to Nearest Well

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

N/A

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:

O served (Ref. 9)

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):

O acres (Refs. 10, 11)

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

O served

SURFACE WATER ROUTE

1 OBSERVED RELEASE

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

Surface water not sampled to date

Rationale for attributing the contaminants to the facility:

---

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Approximately 0-3% (estimated from USGS quad. map)

Name/description of nearest downslope surface water:

Niagara River

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

Concrete rubble reinforced earthen berm exists between site and river. Surface of landfill up to this berm is nearly level. (Ref. 9)

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

No

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

No known hazardous wastes deposited at the site.
Corporations dumping there did produce hazardous wastes,
but this site seems to have received only inert residuals
Used lowest Non-zero score (Refs. 3, 7, 8)

Compound with highest score:

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):

See Toxicity and Persistence above
Used lowest Non-zero score

Basis of estimating and/or computing waste quantity:

---

* * *

5 TARGETS

Surface Water Use

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

Recreation — the Niagara River is
used for both fishing and boating

NO WATER INTAKES WITHIN 3 MILES
OF SITE REF. 24

Is there tidal influence?

No

Distance to a Sensitive Environment

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

N/A

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

Approximately 1 mile (Ref. 14)

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

None in area (Ref. 15)

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:

Several large industries use Niagara River water for production uses, but these are located just outside the three mile limit.

No known residential intakes.

Observed

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

0 acres (Refs. 10, 11)

Total population served:

0 served

Name/description of nearest of above water bodies:

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

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

N/A

Date and location of detection of contaminants

N/A

Methods used to detect the contaminants:

N/A

Rationale for attributing the contaminants to the site:

N/A

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

N/A

Most incompatible pair of compounds:

N/A

Toxicity

Most toxic compound:

N/A

Hazardous Waste Quantity

Total quantity of hazardous waste:

N/A

Basis of estimating and/or computing waste quantity:

N/A

* * *

3 TARGETS

Population Within 4-Mile Radius

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

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

N/A

Distance to a Sensitive Environment

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

N/A

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

N/A

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

N/A

Land Use

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

N/A

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

N/A

Distance to residential area, if 2 miles or less:

N/A

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

N/A

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

N/A

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

N/A

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 932006

II. SITE NAME AND LOCATION

01 SITE NAME	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Brzezinski Landfill (Lynch Park)	2040 River Road

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Wheatfield	NY	14304	Niagara		

09 COORDINATES LATITUDE	LONGITUDE
43 04 13.0	078 56 29.0

10 DIRECTIONS TO SITE (Starting from nearest public road)
South of intersection of River and Williams Roads in Town of Wheatfield

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Stanley Brzezinski	2080 River Road

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Niagara Falls	NY	14304	(716) 693-9948

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
Same	

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 07/28/83 (MONTH DAY YEAR)
BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☒ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): Recra Research Inc

02 SITE STATUS (Check one)
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1965 (BEGINNING YEAR) | 1972 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
No known hazardous wastes

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
No obvious hazards at present. No liner in landfill so leachate migration is possible.

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
Richard L. Crouch	Recra Research Inc	(716) 838-6200

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
C. Mark Hanna	—	URS Co Inc	(716) 883-5525	08/05/83 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

EPA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NJ	932006

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- A. TOXIC
- B. CORROSIVE
- C. RADIOACTIVE
- D. PERSISTENT
- E. SOLUBLE
- F. INFECTIOUS
- G. FLAMMABLE
- H. IGNITABLE
- I. HIGHLY VOLATILE
- J. EXPLOSIVE
- K. REACTIVE
- L. INCOMPATIBLE
- 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			

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

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

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

Information on hazardous wastes unavailable

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	932006

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

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

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

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

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

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

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

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

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

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

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

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

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

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

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

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

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

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 0

IV. COMMENTS

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

NYSDEC Region 9 / Niagara County Health Dept

EPA Site Inspection Report (Form 2070-13)

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 932006

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Brzezinski Landfill (Lynch Park)	2040 River Road

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
Wheatfield	NY	14304	Niagara		

09 COORDINATES: LATITUDE 43 04 13.0 | LONGITUDE 078 56 29.0

10 TYPE OF OWNERSHIP (Check one): [X] 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
07 28 83 (MONTH DAY YEAR)	[ ] ACTIVE [X] INACTIVE	1965 (BEGINNING YEAR) 1972 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
[ ] A. EPA [ ] B. EPA CONTRACTOR _____ (Name of firm) [ ] C. MUNICIPAL [ ] D. MUNICIPAL CONTRACTOR _____ (Name of firm)
[ ] E. STATE [X] F. STATE CONTRACTOR Recra Research Inc (Name of firm) [ ] G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Mark Hanna	Project Engineer	URS Co Inc	(716) 883-552
			( )
			( )
			( )
			( )
			( )

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
			( )
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Stanley Brzezinski	Owner	2080 River Road Wheatfield NY 14304	(716) 693-9948
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
[X] PERMISSION [ ] WARRANT	10:00 AM	Clear, Hot (80°F), Breezy

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Richard L. Crouch	Recra Research Inc	(716) 835-620

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Mark Hanna	—	URS Co Inc	716-883-5520	8 5 83 (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	932006

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

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			

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

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

V. FEEDSTOCKS (See Appendix for CAS numbers)

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

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

Information on hazardous wastes unavailable

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

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

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

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

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

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

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

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

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

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

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

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

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

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

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

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

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

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 0

IV. COMMENTS

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

NYSDEC Region 9 / Niagara County Health Dept.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

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)	—	9/21/70		Letter giving approval to owner to operate disposal site by County Health Dept.
☐ 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)		

04 TREATMENT (Check all that apply)

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

05 OTHER

- ☐ A. BUILDINGS ON SITE

06 AREA OF SITE

20 (Acres)

07 COMMENTS

Landfill is well closed and shows no signs of environmental hazards. Possible perched water below site. No hazardous wastes confirmed.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

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

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

No liner, inert wastes deposited

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

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

NYSDEC REGION 9 / NIAG. CTY. HLTH. DEPT.

EPA FORM 2070-13 (7-81)

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

EPA

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 932006

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as appropriate)

	SURFACE	WELL
COMMUNITY	A. [X]	B. [ ]
NON-COMMUNITY	C. [ ]	D. [ ]

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. [ ]	B. [ ]	C. [X]
D. [ ]	E. [ ]	F. [ ]

03 DISTANCE TO SITE
A. 3.5 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

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

02 POPULATION SERVED BY GROUND WATER: 0

03 DISTANCE TO NEAREST DRINKING WATER WELL: _____ (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
6 (ft)	South	0 (ft)	Poor	[ ] YES [X] NO

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

NONE

10 RECHARGE AREA		11 DISCHARGE AREA	
[ ] YES [ ] NO	COMMENTS:	[X] YES [ ] NO	COMMENTS: SITE ADJACENT TO NIAGARA RIVER

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
NIAGARA RIVER	[ ]	0 (mi)
	[ ]	(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. 500 NO. OF PERSONS	B. 2000 NO. OF PERSONS	C. _____ NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 0.04 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: 1000

04 DISTANCE TO NEAREST OFF-SITE BUILDING: 0.04 (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)

Large trailer park adjacent to site.
Summer/seasonal homes in area

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 932006

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

[X] 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)

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

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
Unknown (ft)	____ (ft)	____	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
0.7 (in)	2.1 (in)	0-3 %	South	3 %

09 FLOOD POTENTIAL
SITE IS IN 100 YEAR FLOODPLAIN

10 [X] SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)
ESTUARINE — A. ____ (mi)
OTHER — B. ____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
N/A (mi)
ENDANGERED SPECIES: ____

13 LAND USE IN VICINITY

DISTANCE TO:	COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
	A. 2 (mi)	B. 0.04 (mi)	C. ____ (mi)	D. 0.5 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site is of similar topography to surrounding area since all of region along river was filled.
- Site slightly higher than adjacent lots.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sampling results)

NYSDEC Region 9 / Niag. Cty Hlth. Dept.

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	932006

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	3	USGS	Now
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☒ AERIAL — 02 IN CUSTODY OF NYSDEC Albany (Name of organization or individual)

03 MAPS ☐ YES ☒ NO — 04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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

NYSDEC Region 9 / Niag. Cty Hlth Dept.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 932006

II. CURRENT OWNER(S)

01 NAME: Stanley Brzezinski
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 2080 River Road
04 SIC CODE:
05 CITY: Niagara Falls
06 STATE: NY
07 ZIP CODE: 14304

01 NAME: Vivian Newman
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 215 S.E. First Terrace
04 SIC CODE:
05 CITY: Dania
06 STATE: FL
07 ZIP CODE: 33004

01 NAME: Anthony Brzezinski
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 2059 River Road
04 SIC CODE:
05 CITY: Niagara Falls
06 STATE: NY
07 ZIP CODE: 14304

01 NAME: Jennie Smith
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 2649 N. Federal Hgwy
04 SIC CODE:
05 CITY: Boynton Beach
06 STATE: FL
07 ZIP CODE: 33455

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

01 NAME: John Brzezinski
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 2056 River Road
04 SIC CODE:
05 CITY: Niagara Falls
06 STATE: NY
07 ZIP CODE: 14304

01 NAME: Anna Brzezinski
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 2056 River Road
04 SIC CODE:
05 CITY: Niagara Falls
06 STATE: NY
07 ZIP CODE: 14304

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

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

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

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

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

Stanley Brzezinski — Owner

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
NONE	

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

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
NONE	

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
Stanley Brzezinski	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
2080 River Road	

05 CITY	06 STATE	07 ZIP CODE
Niagara Falls	NY	14304

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
1965-1972	SAME

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
NONE	

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

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)

Stanley Brzezinski – Owner

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
NONE	

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

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Carborundum Company			

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

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
Niagara Falls	NY				

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Bell Aerospace Textron			

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

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
Wheatfield	NY				

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Carborundum Company			

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

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
Niagara Falls	NY				

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

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

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

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

Niagara County Health Dept
NYSDEC Region 9

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	932006

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

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	932006

II PAST RESPONSE ACTIVITIES (Continued)

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

01 ☑ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
Done in Closing of site — 1972 — Owner / Operator

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)

Stanley Brzezinski - Owner

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	932006

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

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

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

NYSDEC Region 9

EPA FORM 2070-13 (7-81)

4.0 SITE HISTORY

The site of the Brzezinski Landfill was purchased in 1962 by Anna Brzezinski, and was an undeveloped area at that time (Ref. 3). A cove in the Niagara River bank which extended almost to River Road was located on this site. Several reports of dumping on this site as early as the 1930's are incorrect, as most of the land was under water. This dumping by the Carborumdum Company did occur adjacent to the landfill area and extended west all the way to the City of Niagara Falls corporate limits (Ref. 3).

An earthen berm was build across the mouth of the cove in the middle 1960's, creating a pond behind it. This berm was reinforced with concrete rubble and similar materials (Ref. 9). Filling activities began at the site around 1965, with refuse being comprised of intert materials from Carborundum Company and Bell Aerospace Corporation (Ref. 16). Complaints were first registered in 1968 with the Niagara County Department of Health (NCDH) concerning the pumping of the pond water into the Niagara River (Ref. 17). In June of 1969, Stanley Brzezinski, who operated the landfill for his family, was cited for burning refuse at the landfill by the NCDH (Ref. 18). Later that year, local residents also registered complaints about the disposal of approximately 25 truckloads of incinerator ash from a City of Niagara Falls facility (Refs. 19, 20).

In 1970, Mr. John Brzezinski received approval from the NCDH to operate the refuse disposal area (Ref. 21). The disposal of wastes here ceased in 1972 when the site's capacity was reached, and the landfill was subsequently closed (Ref. 3). Since that time only clean fill dirt has been hauled to the site and piled for future use. In 1982, following the death of Anna Brzezinski, four of her children became owners of the site (Ref. 22).

5.0 SITE DATA

5.1 Site Area Surface Features

5.1.1 Topography and Drainage - The Brzezinski Landfill is located on land which was reclaimed from the Niagara River. An earthen berm was originally constructed across the mouth of a former cove to create the site. The bank along the shore was subsequently riprapped with concrete rubble and other similar materials. The topography of the site is nearly flat, but slopes very gently toward the river. Numerous mounds of clean fill dirt are located throughout the site, which as of yet have not been leveled.

No streams or ditches run directly through or adjacent to the landfill, but an un-named intermittent stream enters the Niagara River less than one mile to the east of the site. Little evidence of ponded water or wet areas exists on the site other than scattered clumps of cattails.

5.1.2 Environmental Setting - The Brzezinski landfill is located approximately one-half mile south of designated wetland area TW-6 (Ref. 14); however, this wetland is located up-gradient from the site. There are no critical habitats of endangered species located in the vicinity of the disposal area (Ref. 15). The site does lie within the 100-year flood boundary of the Niagara River, as designated by the Federal Emergency Management Agency (Ref. 23).

5.2 Hydrogeology

5.2.1 Geology - The uppermost bedrock formation in the vicinity of the site is Lockport dolomite, which in this area is a massive bed approximately 150 feet thick (Ref. 1). The landfill area itself is covered with glacio-lacustrine deposits to an unknown depth.

5.2.2 Soils - The natural overburden soils developed from stillwater lacustrine deposits of silt, very fine sand and clay (Ref. 6). These Canandaigua soils are deep and are usually located in depressions receiving runoff from adjacent areas. Ponded water occurs commonly. Based upon soil borings which have been taken on the site, a typical profile of the uppermost natural soil layers would be: topsoil to 3 feet, green-gray clay to 6 feet, coarse sand to 8 feet (Ref. 2).

5.2.3 Groundwater - Groundwater occurs in both the unconsolidated deposits and the bedrock beneath the Brzezinski landfill. The primary aquifer in this region is the Lockport dolomite, which yields water primarily through fractures and solution cavities within its structure (Ref. 1). The water table beneath the site exists at approximately river level, which is higher than a portion of the original natural soil surface. The saturated overburden materials are mainly clay with sand stringers, and don't yield sufficient water to warrant the installation of monitoring wells on the site (Ref. 2). The groundwater flow pattern should be toward the Niagara River to the south, and any contaminants leaving the site via this route would be discharged to the river.

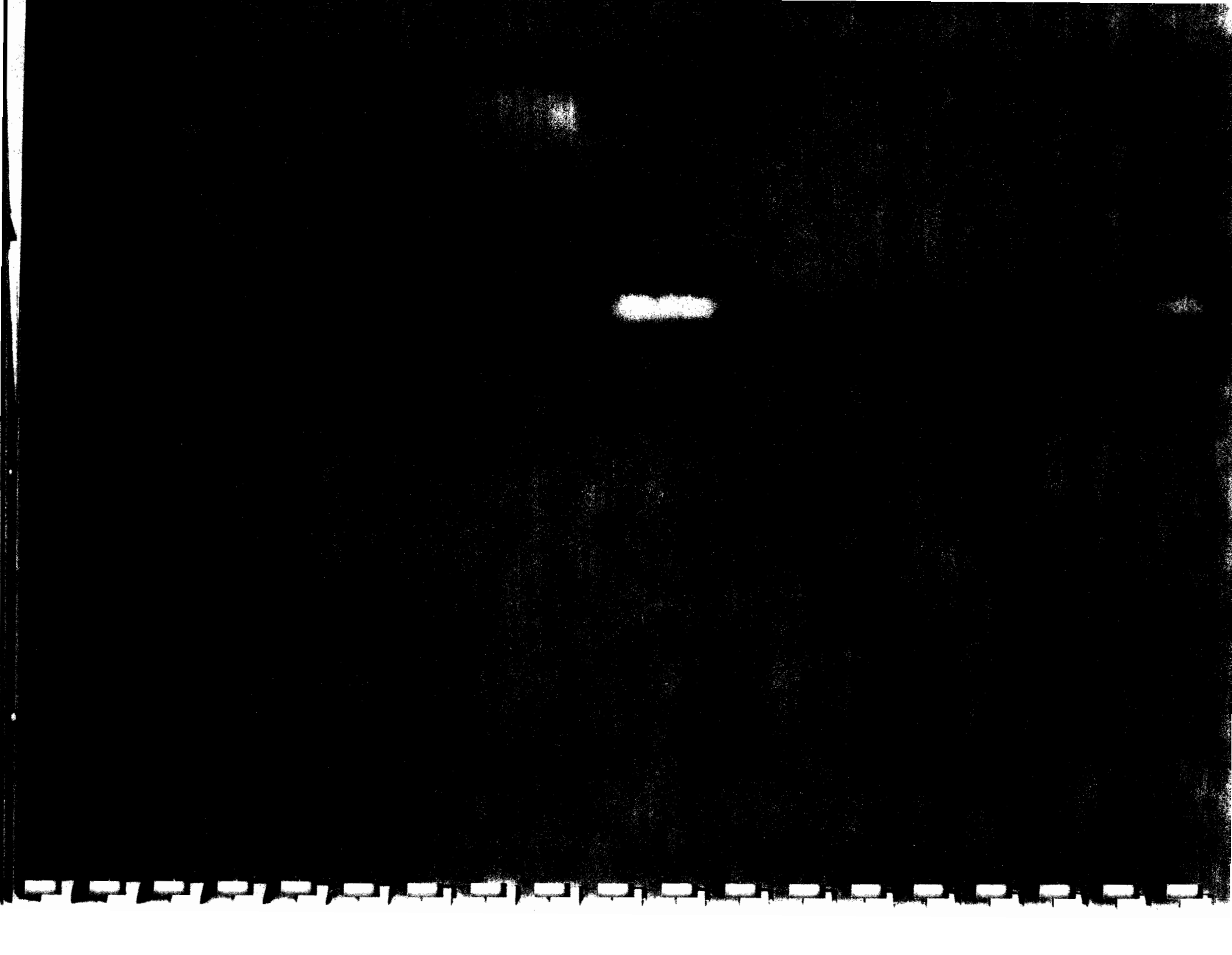
5.3 Previous Sampling and Analysis

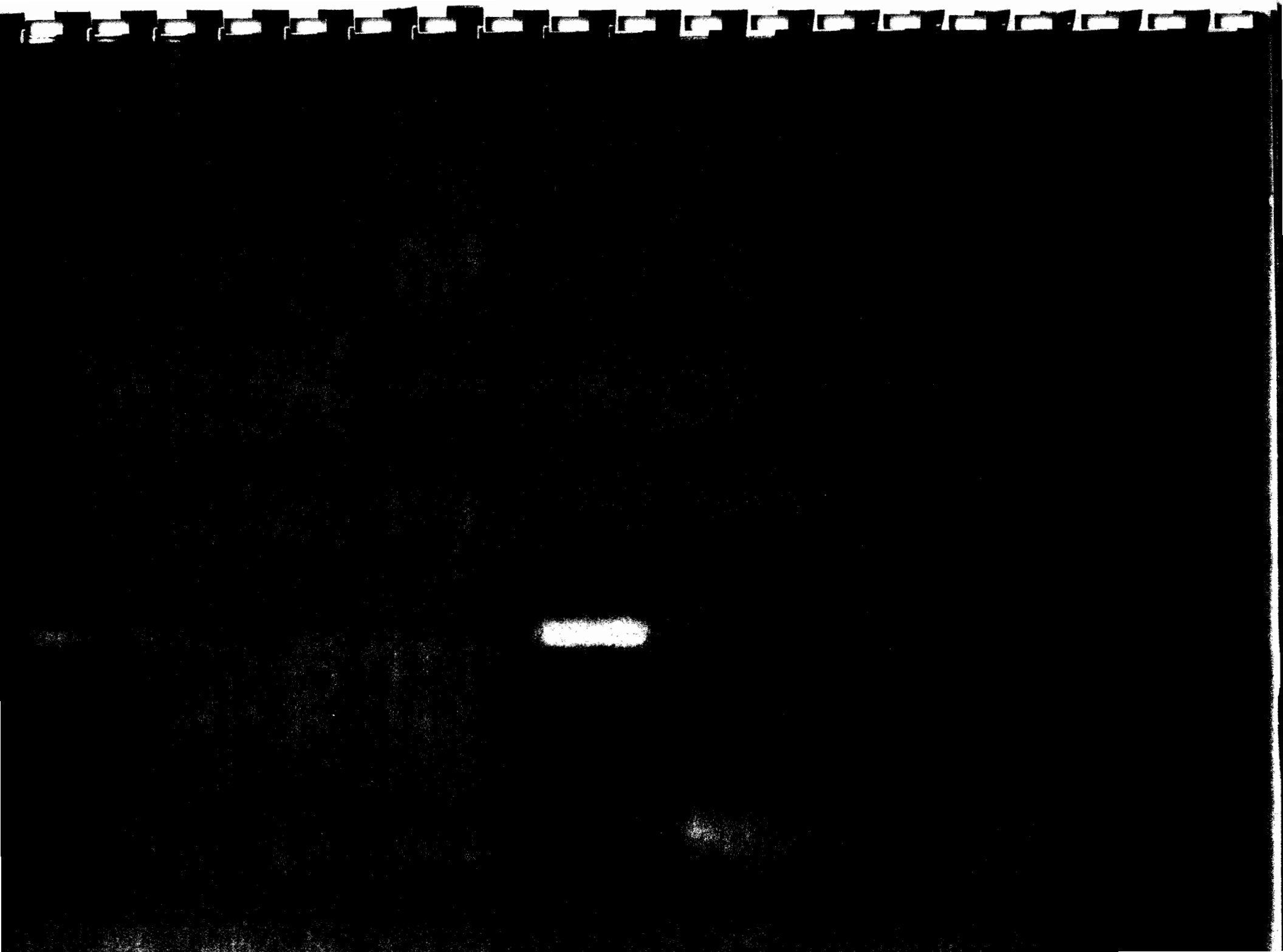
5.3.1 Groundwater Quality Data - No groundwater samples have been taken on or near the site.

5.3.2 Surface Water Quality Data - There has been no sampling of the Niagara River related to the Brzezinski Landfill.

5.3.3 Air Quality Data - No atmospheric sampling has been completed on site related to the release of chemical contaminants.

5.3.4 Other Analytical Data - Soil samples were taken by the USGS at three locations on site which were thought to be near the edge of the filled area (Ref. 2). The results obtained from this sampling and analysis are presented on the colored pages following this section, along with a sampling site location map. These preliminary results indicate the presence of two organic compounds in the soil profile.





6.0 ADEQUACY OF AVAILABLE DATA

For the purpose of developing a Hazard Ranking System Score, the existing data base for the Brzezinski Landfill is inadequate in the following respects.

- o There has been no analytical testing to date for substances of concern in groundwater or surface water at the site, and consequently, there is no way of ascertaining possible releases from the site.

- o There are no available records indicating that hazardous substances may have been disposed of at the landfill. Some of the industries using the facility are known, as are the types of wastes that they disposed of. However, there was no physical checking of the vehicles entering the site, and unapproved dumping of hazardous substances and residues may have taken place.

- o The population served by and uses of surface water and groundwater have been estimated.

- o Some geologic data, such as soil permeability, have been estimated from information which is not considered highly reliable.

7.0 PROPOSED PHASE II WORK PLAN

7.1 Objectives

The objectives of the Phase II Field Investigation are to fill the data gaps identified in Section 6.0 of this report, in order to permit a complete site characterization/ranking (HRS score) and an engineering evaluation of remedial alternatives. It should be noted that a Phase II investigation will not provide data concerning the quantities of any hazardous wastes which may be on site; however, it should indicate the site was not used for hazardous waste disposal should this be the case. The field investigation will include the following items:

- o Subsurface Investigation
- o Monitoring Well Installation
- o Sampling and Analysis
- o Engineering Evaluation Report/HRS Score

Throughout the investigative effort, field activities will be performed in strict accordance with established safety protocol, as set forth by the New York State Department of Environmental Conservation.

7.2 Scope of Work

7.2.1 Subsurface Investigation - The information obtained from the previous USGS on-site subsurface investigation will be used to assist in the location of the test borings and monitoring wells. Presently, it is proposed that three (3) test borings be installed along the earthern berm separating the site from the Niagara River. Two of the locations would be just to the outside of the fill area; one each on the east and west sides. The third boring would be placed at the center of the fill area. All borings will being completed to the bedrock surface.

All test borings will be drilled with a truck, trailer, and/or all-terrain-mounted auguer rig using hollow stem augers, and will be performed under the supervision of a qualified geologist or hydrogeologist. During construction of the test borings, split spoon samples will be continuously obtained. Also, if a confining layer is encountered, Shelby tube samples will be obtained to determine its undisturbed permeability.

The acquired samples will be visually identified in the field following the procedure set forth in ASTM-D-2488, noted appropriately on boring logs with the sample number and recorded standard penetration test results (ASTM-D-1586), and placed in pre-cleaned, teflon-lined, screw-cap jars for return to Recra Research Inc.'s laboratory in Tonawanda, New York.

In order to avoid possible cross-contamination during construction of the test borings, the augers will be cleaned between test borings with water obtained from a known non-contaminated source. Also, between each split spoon sample, the split spoon will be cleaned with water, acetone and distilled water. All spent water/acetone liquid accumulated during this process will be disposed of in an on-site drum. Upon completion of each test boring to bedrock, the test boring will be backfilled with cement bentonite grout to approximately five to six feet below the first encountered water level, in order to avoid the possible vertical migration of contaminated groundwater from the first encountered water-bearing zone down to bedrock. Prior to leaving the site, the drill rig will be decontaminated using high pressure water.

7.2.2 Monitoring Well Installation - Pending review of the information obtained from the soil samples and approximate water levels in the test borings, it is proposed that two (2) monitoring wells be installed at the two (2) locations at which bore holes were drilled to the outside of the fill area. In addition, one well will be drilled to bedrock on the north side (up-gradient) of the fill area. All wells will be screened from immediately below the encountered water table to their termination.

The monitoring wells will be constructed of two-inch I.D. cast iron riser pipe with a galvanized, wire-wound, wrapped steel screen. The annulus between the casing/screen and boring well will be

properly sand-packed and sealed (cement/bentonite and cement) to the ground surface and the well provided with a locking cap.

Upon completion of well construction, the monitoring wells will be properly developed, and all test borings and/or top of well casing will be surveyed to determine their locations and elevation above sea level. At that time, variable head tests will be performed on all wells around the site to estimate the on-site permeability of the screened interval. All field activity will be under the direct supervision of a qualified geologist and/or hydrogeologist.

7.2.3 Sampling and Analysis - The purpose of this task is to identify the magnitude and extent of groundwater and/or surface water contamination originating from the site, and to ascertain whether or not "hazardous substances" can be detected leaving the site.

Groundwater samples will be obtained from each of the monitoring wells. Following equilibrium of water levels within the installed wells, water elevations will be measured to determine the water table surface. Representative groundwater samples will then be collected after either the wells have been fully evacuated or a volume three times the well content has been removed. Evacuation of water from the wells and the acquisition of the samples will be accomplished with an Isco Model 1580 peristaltic pump, using separate low-density polyethlene tubing for each well and changing the silicon rubber tubing within the Isco between wells.

An exception to this procedure will be employed when obtaining the required volume of sample for volatile organic analysis. This will be accomplished using small volume galvanized steel bailers that have been separately designated for each well. Upon collection of the sample, field pH, temperature and conductivity measurements will be recorded. The samples will be placed in appropriate pre-cleaned bottles/septa vials, labeled, chilled and immediately returned to Recra's Tonawanda, New York laboratory for preservation and analysis of the parameters listed in Table 1.

It is presently proposed that two (2) surface water samples be obtained: one (1) each to the east and west of the fill area below the berm. The samples will be obtained using a pond sampler with separate sampling bottles designated for each sampling location. The same procedure as previously described for groundwater sampling will be followed after the acquisition of the surface water samples.

The procedure to be utilized for analysis of all samples during this investigation are in basic accordance with one or more of the following texts:

- Methods for Chemical Analysis of Water and Wastes, United States Environmental Protection Agency,

TABLE 1 ANALYTICAL PARAMETERS

Parameters	Surface Water	Groundwater
Number of Sample - This Site	2	3
pH	.	.
Specific Conductance	.	.
Chloride	.	.
Sulfate	.	.
Cyanide (Total)	.	.
Total Organic Carbon	.	.
Cadmium	*	0
Chromium (Total)	*	0
Chromium (Hexavalent)	*	0
Copper	*	0
Iron	*	0
Lead	*	0
Mercury	*	0
Nickel	*	0
Silver	*	0
Zinc	*	0
Polychlorinated Biphenyls (PCB)	.	.
Volatite Organic Scan (VOS)	.	.
Halogenated Organic Scan (HOS)	.	.
Dry Weight		

0 = Soluble Metals * = Total Metals

VOS is a screening procedure to identify the presence or absence of volatile chlorinated organic compounds Analyses are performed via purge and trap concentration, gas, liquid chromatography and an electrolytic conductivitydetector.

HOS is a screening procedure to identify the presence or absence of halogenated organics. Analyses are performed via solvent extraction concentration gas liquid chromatography and an electron capture detector.

- NIOSH Manual of Analytical Methods, 2nd Edition, United States Department of Health, Education and Welfare,

- Standard Methods for the Examination of Water and Wastewater, 14th Edition, APHA, AWWA, WPCF.

All analytical work will be in conformance with the overall Quality Assurance Program previously submitted by Recra Research, Inc. to NYSDEC, entitled "Operation Manual - Field and Analytical Services".

7.2.4 Engineering Evaluation Report/HRS Score - The purpose of this task is to compile all existing and newly-developed information concerning the site, and utilize this information to:

- o Prepare a Hazard Ranking System (HRS) score for the site, and

- o Preliminarily identify and evaluate feasible remedial alternatives at the site and prepare budget-level cost estimates for these alternatives.

Close coordination with NYSDEC concerning this report is recognized as being essential, since it must be utilized by

NYSDEC to prepare (in a short time frame) a State "Remedial Plan". Consequently, it is important that the format and contents of the report be clearly established early in the project. A Quality Control Committee will work closely with NYSDEC throughout the project to insure that this final report, and any other interim project outputs, are responsive to the Agency's needs.

7.3 Estimated Costs

The following are the estimated costs of performing the Phase II Field Investigation outlined in the preceding section:

Task	Cost
Subsurface Investigation	$ 3,480
Monitoring Well Installation	3,630
Sampling and Analysis	3,540
Report	5,170
TOTAL	$ 15,820

APPENDIX A

DATA SOURCES AND REFERENCES

1. R.H. Johnston, "Groundwater in the Niagara Falls Area, New York", NYSDEC Water Resources Commission, Bulletin GW-53, 1964.

2. USGS, Preliminary results of investigation at site No. 932006 (Lynch Park).

3. S. Brzezinski, Site owner/operator, Personal interview, July 28, 1983.

4. T. Niziol, U.S. Weather Service at Greater Buffalo International Airport, Telephone interview, May 20, 1983.

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

6. U.S. Dept. Agriculture, Soil Conservation Service, "Soil Survey of Niagara County, New York", October 1972.

7. G.R. Amery, Niagara County Health Dept., Letter to S. Brzezinski, Site owner/operator, April 30, 1979.

8. Interagency Task Force on Hazardous Wastes, "Draft Report on Hazardous Waste Disposal in Erie and Niagara Counties, New York," March 1979.

9. M. Hopkins, Niagara County Health Dept., Summary report for site investigation, March 2, 1982.

10. N. Herendeen, Soil Conservation Service, Telephone interview, July 18, 1983.

11. M. Hanna, URS Company, Inc., Irrigation survey, July 28, 1983.

12. U.S. Dept. Commerce, "Rainfall Frequency Atlas of the United States", Technical Paper No. 40, 1963.

13. Krehbiel Associates, Inc., "Topographical Survey - Lynch Park Dump Site", Drawing No. 69K29T, September 1969.

14. NYSDEC, Map of wetlands within the Tonawanda West Quadrangle.

15. J. Snyder, NYSDEC, Telephone interview, July 27, 1983.

16. R. Speed, Niagara County Health Dept., Site visit summary, August 16, 1968.

17. R. Clark, Jr., Niagara County Health Dept., Site investigation report, August 14, 1968.

18. E. R. Gedeon, Niagara County Health Dept., Letter to S. Brzezinski, June 2, 1969.

19. A. Paqualichio, Niagara County Health Dept., Report of site investigation, November 6, 1969.

20. K. Moss, Niagara County Solid Waste Agency, Memorandum, November 7, 1969.

21. F. J. Clifford, M.D., Niagara County Health Dept., Letter to J. Brzezinski, September 21, 1970.

22. S. Brzesinski, Memorandum to R. Olazagasti, NYSDEC, July 25, 1983.

23. Federal Emergency Management Agency, "Flood Insurance Study, Town of Wheatfield, Niagara County, New York", July 1976.

24. United States Geological Survey topographic map. Tonawanda West Quadrangle, 1965.

APPENDIX B

HAZARDOUS WASTE DISPOSAL SITE REPORT

REVISED

Code: F

Site Code: 932006

Name of Site: Brzezinski Landfill (Lynch Park)

Region: 9

County: Niagara

Town/City: Wheatfield (T)

Street Address: 2040 River Road, Wheatfield, New York (corner of Williams Road)

Status of Site:

- Inactive Site. Landfill located on approximately 20 acres of land reclaimed from the Niagara River channel. Site operated fairly well during use and closed properly.

- Accepted mainly inert solid wastes from Carborundum Company and Bell Aerospace Textron. Some incinerator ash from Niagara Falls. Unknown quantities of flyash, fire brick, dust collector fines, kiln furniture, scrap globars, sandpaper, plaster molds and other similar materials.

- Site located near trailer park and seasonal residences. Community water supply.

- Canandiaqua silt loam, seasonal water table within six feet of surface.

Type of Site: Landfill

Hazardous Waste Disposed: No evidence of hazardous waste disposal

Present Owner: Main interest: Stanley Brzezinski
2080 River Road
Niagara Falls, New York 14304

Time Period Site Was Used: 1965 through 1972

Type of Samples: Soil

Remedial Action: None

Status of Legal Action: None

Permits Issued: USGS for earthen berm construction

Assessment of Environmental Problems: No problems indicated at site.

Assessment of Health Problems: None known or expected.

Person Completing this Form: C. Mark Hanna (URS Co.,Inc.)
On behalf of Recra Research, Inc.

Date: September 6, 1983