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MACHIAS GRAVEL PIT

NEW YORK STATE SUPERFUND PHASE I SUMMARY REPORT

NYSDEC NUMBER -90-50=193.

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

MACHIAS GRAVEL PIT NEW YORK STATE SUPERFUND PHASE I SUMMARY REPORT

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1.0 Executive Summary

The Gravel Pit located on Very Road in Machias, New York is owned and operated by the Town of Machias. The site received approximately 600 drums of waste material from March 1978 to September 1978. These drums were delivered to the site by hauler Daniel Griswald, who received the drums from the Motorola Corporation in Arcade, New York. The drums are suspected of containing wastes such as: epoxy resins, acids, flammable and non-flammable solvents and cutting oils. Approximately one-half of the drums received had their contents spilled onto the ground surface. The remaining materials were surface piled or the oily waste material was used by town personnel to control dust on local roads.

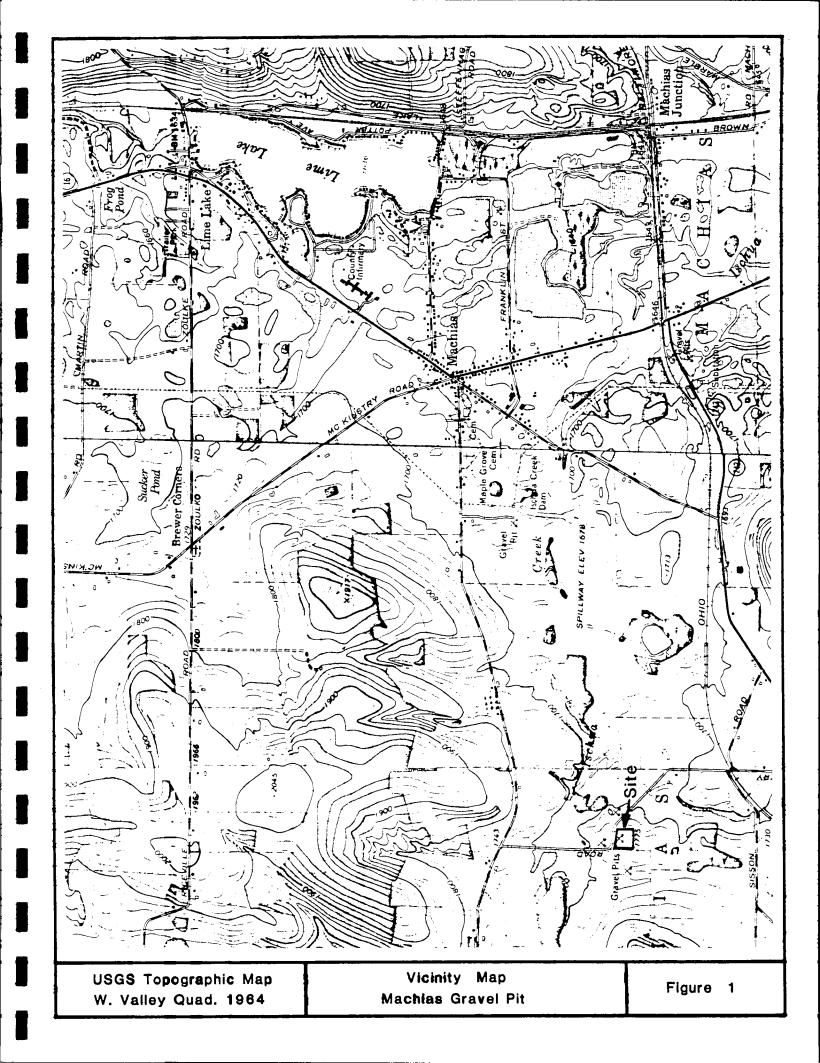
The surrounding area is rural with the majority of residences concentrated in the Village of Machias, two (2) miles east of the site.

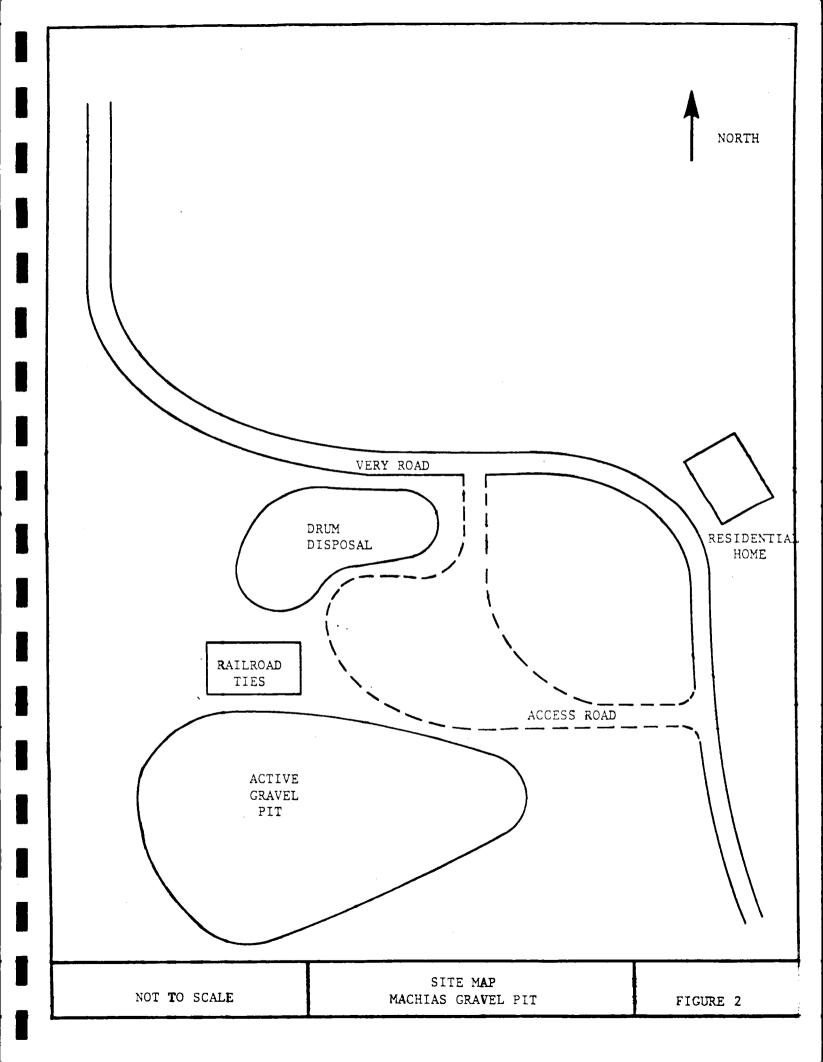
2.0 Site Description

The town-owned Machias Gravel Pit is located on Very Road in the village of Machias, New York (Figure 1). The one-half acre site is composed of an operational gravel pit in the south section and an inactive gravel pit in the north section. The inactive gravel pit was used for the storage and disposal of drummed waste material generated at the Motorola Site in Arcade, New York. The drums were surface piled and observed to be in various states of deterioration. The ground surface surrounding the storage site was stained with a black oil-like material.

The area surrounding the site is rural with a private residence located approximately 500 feet south of the area of concern. The majority of the area's population is concentrated in the Village of Machias located two (2) miles east of the site.

The overall area shows some topographical variation in the form of low rolling hills.





From Machias Gravel Pit
From mme
Location Very Rd. Machias, New York
EPA Region 2
Fercon(s) in charge of the facility. Town Of Machias.
Name of Reviewer Recra Research, Inc. Date Sept. 6,1983
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.)
The waste storage site is located on the property of the Machias
which is an active gravel excavating facility. Approximately 600
drums are beleived to contain waste, which was generated at the Motorola
Plant in Arcade, N.Y The wastes are thought to be: epoxy resins
toluene, xylene, trichloroethane, cutting oil and various acids.
Scores: $S_{M} = \frac{1}{23.9} (S_{gw} = 40.4 S_{sw} = 8.4 S_{a} = 0)$
S _{FE} = 0
$S_{DC} = 33.3$ Range for $S_{m} = 23.0$ to 40.0

Ground Water Route Work Sheet								
Rating Factor	Assigned Value (Circle One)	Multi- pher	Score	Max. Score	Rel. (Section)			
1 Opserved Release	0 45	1	0	45	3.1			
	is given a score of 45, proceed to line 4. is given a score of 0, proceed to line 2.							
2 Route Characteristic	G .	2	4	6	3.2			
Concern Net Precipitation Permeability of th		1 1	2 2	3 3				
Unsaturated Zon Pnysical State	0 1 2 3	1	3	3				
	Total Route Characteristics Score		11	15				
3 Containment	0 1 2 3	1	3	3	, 3.3			
Waste Cnaracteristi Toxicity/Persister Hazardous Waste Quantity	nce 0 3 6 9 12 15 18	1	126	18 8	3.4			
	Total Waste Characteristics Score		18	26				
5 Targets Ground Water Us Distance to Neare Well/Population Served	est 0 4 6 8 10	3	9 30	9 40	3.5			
1 =	Total Targets Score multiply 1 x 4 x 5 ultiply 2 x 3 x 4 x 5		39	49				
	57,330 and multiply by 100		23166 40.					

FIGURE 2
GROUND WATER ROUTE WORK SHEET

	Surface Water Route Work Sheet								
	Rating Factor	-	Assigned V (Circle Or		Multi- plier	Score	Max. Score	Rel. (Section)	
0	Observed Release	2	0	45	1	0	45	4.1	
			n a value of 45, proce n a value of 0, proce						
2	Route Characteris Facility Stope an		ning 0 (1) 2 3		1	1	3	4.2	
	1-yr. 24-hr. Raini Distance to Near Water		0 1 2 3 ce 0 1 3 3		1 2	2 4	3 6		
	Physical State		0 1 2 ③		1	3	3		
			Total Route Charact	teristics Score		10	15		
3	Containment		0 1 2 🖪		1	3	3	4.3	
4	Waste Characteris Toxicity/Persiste Hazardous Wast Ouantity	ence	0 3 6 9 0 0 1 2 3		1 1	126	18	4.4	
			Total Waste Charac	teristics Score		18	26		
5	Targe ts Sur fa ce Water U Distance to a Se		0 1 Q 0 1 Q	3 3	3 2	6 4	9 6	4.5	
	Population Serve to Water Intake Downstream		Ge	8 10 20 35 40	1	0	40		
		-	Total Targets	s Score		Ю	55		
			1 x 4 x 5 2 x 3 x 4 x	5		5400	64,350		
7	Divid e l in e 6 b	y 64,350 a	and multiply by 100			8.4			

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

	Air Route Work Sheet									
	Rating Factor	-	Assigned Value M (Circle One) S					Score	Max. Score	Ref. (Section)
1	Obs er ved Release		0		45		1	0	45	5.1
	Date and Location	:	.	<u>.</u>						
	Sampling Protocol	:								
	If line 1 is 0, the line 1 is 45,	ne S _a = 0. then proces	Enter on li	ne [5] . [2] .						
2	Waste Characteris Reactivity and	tics	0 1	2 3			. 1		3	5.2
	Incompatibility Toxicity Hazardous Waste Ouantity		0 1 0 1		4 5 6 7	8	3 1		9 8	
		To	otal Waste	Characte	ristics Sc or	re			20	
3	Targets Population Within 4-Mile Radius Distance to Sens		21 24	12 15 1 27 30 2 3	8		1 2		30 6	5.3
	Environment Land Use			2 3			1		3	
			Total	Targets	Score				39	,
4	Multiply 1 ×	2 x 3							35,100	
5	Divide line 4 b	y 35,100 ar	nd multiply	ъу 100			Sa-	٥		· · · · · · · · · · · · · · · · · · ·

FIGURE 9
AIR ROUTE WORK SHEET

•		
	s	s²
Groundwater Route_Score (Sgw)	40.4	1632.2
Surface Water Route Score (S _{SW})	8.4	70.6
Air Route Score (Sa)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		1702.8
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		41.3
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 - s_M -$		23.9

FIGURE 10 WORKSHEET FOR COMPUTING S_M

	Fire	anđ	E×	plos	sior	ı Wo	rk Shee	:t			
Rating Factor					Multi- plier	Score	Max. Score	Ref. (Section)			
Containment	1					3		1		3	7.1
2 Waste Characteristics											7.2
Direct Evidence	0			3				1		3	
Ignitab ility	0	1	2	3				1		3	
Reactiv ity	0	1		3				1		3	
Incomp at ib ility	0	1		3		_		1		3	
Hazard o us Waste Quant ity		1	2	3	4	5	6 7 1	8 1		8	
											
	Total Was	ste	Cha	rac	teri	stics	Score	l		20	
3 Targets	··										7.3
Distance to Nearest	0	1	2	3	4	5		1		5	
Population										_	
Distance to Nearest	0	1	2	3				1		3	
Building	٥	1	2	2				1		3	
Distance to Sensitive Environment	U	1	2	3				•		J	
Land Use	0	1	2	3				1		3	
Population Within	0	1	2	3	4	5		1		5	
2-Mile A ad ius Buildin gs Within 2-Mile A adius	0	1	2	3	4	5		1		5	
	То	tal	Tar	get	s S	core				24	
4 Multiply 1 x 2 x 3										1,440	
5 Divide line 4 by 1,440 a	nd multip	y b	y 1	00				SFE -			

FIGURE 11 FIRE AND EXPLOSION WORK SHEET

	Direct Contact Work Snee	t			
Ratin g Factor -	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	() 45	1	0	45	8.1
If line 1 is 45, proceed to					
2 Accessibility	0 1 2 3	1	3	3	8.2
3 Containment	0 (15)	1	15	15	8.3
Waste Characteristics Toxicity	0 1 2 3	5	Ю	15	8.4
Targets Population Within a 1-Mile Radius	0 🛐 2 3 4 5	4	4	20	8.5
Distance to a Critical Habitat	0 1 2 3	4	12	12	
	Total Targets Score		16	32	·
	1 x 4 x 5			21,600	
If line 1 is 0, multiply [7] Divide line 6 by 21,600	2 x 3 x 4 x 5	SDC -	7200 33	<u>† </u>	,

FIGURE 12
DIRECT CONTACT WORK SHEET

3.11 DOCUMENTATION RECORDS FOR THE HAZARDOUS 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 NA	AME: Machias Gravel Pit	· •
LOCATION:	Very Rd. Machias, New York	

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

NO AVAILABLE DATA

Rationale for attributing the contaminants to the facility:

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

, Name/description of aquifers(s) of concern:

GRAVEL AQUIFER

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

30-40

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

WASTE DRUMS ARE SURFACE PILED

Net Precipitation

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

34"

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

27 "

Net precipitation (subtract the above figures):

7 "

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

CHENANGO GRAVELLY SANDY LOAM

Permeability associated with soil type:

< 10 -3 < 10 -5 Cm/SEC

Physical State .

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

LIQUIDS & SOLIDS

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

NO CONTAINMENT

Method with highest score:

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

TOLUENE XYLENE TRICHLOROETHANE

Compound with highest score:

TRICHLOROETHANE

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):

600 DRUMS

Basis of estimating and/or computing waste quantity:

SITE INSPECTION

5 TARGETS

Ground Water Use

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

SOLE DRINKING WATER SOURCE

Distance to Nearest Well

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

PRIVATE RESIDENCE DIRECTLY ADJACENT TO THE SITE.

Distance to above well or building:

0.10mi.

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:

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):

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

TO BE 2500.

SURFACE WATER ROUTE

1 OBSERVED RELEASE

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

NO AVAILABLE DATA

Rationale for attributing the contaminants to the facility:

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

5%

Name/description of nearest downslope surface water:

ISCHUA CREEK-A CLASS'C"WATER SOURCE.

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

5.0%

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

NO

Is the facility completely surrounded by areas of higher elevation?

NO

1-Year 24-Hour Rainfall in Inches

2.4"

Distance to Nearest Downslope Surface Water

0.5ml

Physical State of Waste

SOLID & LIQUID

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

NO CONTAINMENT

Method with highest score:

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

TRICHLOROETHANE TOLLIENE XYLENE

Compound with highest score:

TRICHLORGETHANE

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):

600 DRUM

Basis of estimating and/or computing waste quantity:

SITE INSPECTION

* * *

5 TARGETS

Surface Water Use

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

RECREATION & FISH PROBAGATION

Is there tidal influence?

NO

Distance to a Sensitive Environment

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

NA

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

1000 FT gouth of SITE

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

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:

N/A

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

N/A

Total population served:

NA

Name/description of nearest of above water bodies:

NA

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

N/A

1 OBSERVED RELEASE

Contaminants detected:

NO AVAILABLE DATA

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

3 TARGETS

Population Within 4-Mile Radius

.ed: Circle radius used, give population, and indicate how det 0 to 1 mi 0 to 1/2 mi 0 to 0 to 4 mi

Distance to a Sensitive Environment

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

r less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mi

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

Land Use

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

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

Distance to residential area, if 2 miles or less:

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

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

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

.C. □PA PRI	TAL HAZARD ELIMINARY A E INFORMATI	SSES	SMENT		A. IDENTIFH		
II. SITE NAME AND LOCATION							
MACHIAS GRAVEL PIT VERY ROAD							
MACHIAS			05 ZIP CODE		que	OT COUNTY DE CONG CODE DIST	
09 COORDINATES LATITUDE LONGITUE 422430.0 07732							
RT 16 TO MACHIAE. FELTON HILL		Very	RD LE	er. Sire u	ON RIC	G HT	
III. RESPONSIBLE PART IES							
TOWN OF MACHIAS			WWW HA	ALL MACH	(A i		
MACIHI AS	l l	NY NY	05 ZIP CODE	06 TELEPHONE 14	JMBER		
OT OPERATOR IT ROOM and different from owners MACHELAS Town Huy SEPT	08	BSTREET	(Business, making, r	esidenila)	 _		
09 CITY	1		11 ZIP CODE	12 TELEPHONE N	UMBER		
MACHIAS 13 TYPE OF OWNERSHIP (CALCEDOR)		N 4]	 		1		
□ F. OTHER:	(Agency name)) WASTE	G. UNK	NOWN DATE RECEIVED	· • · ·	J C. NONE	
DI ON SITE INSPECTION O YES DATE MONTH DAY YEAR D E. LOCA	MI MPY) □ B. EPA C L HEALTH OFFICE OR NAME(S):	AL [Ð. OTHER C	ONTRACTOR	
02 SITE STATUS (CONCER OND) 03	YEARS OF OPERATION BEG	ION 179	AR ENDING	G YEAR	UNKNOWN		
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR A EPOXY KEXINS, ACIAS, SILVENI	LLEGED			3.16			
OS DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT ANDIOR P	OPULATION						
V. PRIORITY ASSESSMENT							
OI PRIORITY FOR INSPECTION (Check one. If high or medium is checked, comple A. HIGH (Inspection required promothy) (Inspection required)	ie Peri 2 - Wasie Informa C. LOW (Inspection time av		D. NO	_		ion famil	
VI. INFORMATION AVAILABLE FROM							
RICHARD L. CROUCH	PECKA /	leset	PRCH, IN	ūć.		03 TELEPHONE NUMBER (716) \$38-62 ∞	
ANDRE J LAPRES	AGENCY	06 ORG	ANIZATION ECRA	17/61 830	1	08 DATE 7 , 25, 83 MONTH DAY YEAR	

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

		TIFICATION
٥١	STATE	02 SITE NUMBER

II MACTE C	TATES, QUANTITIES, A	VD CHARACTER	ISTICS				
	TATES (CHICK AT INSTANCE)	TOZ WASTE QUANT		03 WASTE CHARACTE	ERISTICS (Check of that	800(f)	
C A SOLID DE SLURRY MULL DE S E B POWDER, FINES DAT. LIQUID TONS C SLUDGE D G.GAS CUBIC YARDS		il waste quantities independenti	D B CORROSIVE DE INFECTIOUS DE LE CONTROL DE L'AMMABLE DE		UBLE [: +, MGMLY \ CTIOUS [: -] -, EXPLOS MMBLE [: -] - K, REACTI TABLE [: -] - L INCOMP		
C D OTHER	(Specify)	NO OF DRUMS	3/3				
III. WASTE T	YPE			-			
CATEGORY	SUBSTANCE !	VAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE						
OLW	OILY WA ST E					·	
SOL	SOLVEN TS						
PSD	PESTICIDES						
0C C	OTHER ORGANIC C	HEMICALS					
IOC	INORGANIC CHEMIC	CALS					
ACD	ACIDS	*					
BAS	BASES						
MES	HEAVY METALS						
IV. HAZARD	OUS SUBSTANCES (S	hooendis far möst frequen	by case CAS Numbers!				3
DI CATEGORY	02 SUBSTANCE	VAME	03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	OG MEASURE OF CONCENTRATION
]				
							ļ
							<u> </u>
							ļ
						<u> </u>	
							<u> </u>
						<u> </u>	
V EECDSTO	CKS (See Appendix for CAS Nurr			1		<u> </u>	
			02 CAS NUMBER	CATEGORY	O) FEEDS	STOCK NAME	02 CAS NUMBER
CATEGORY	UIFEEDSIC	ON MANUE	OL GIIG HOMOGN	FDS			
FDS			 	FDS			
FDS		<u> </u>	 	FDS			
FDS			+	FDS			
FDS				_ 			1
VI. SOURCE	S OF INFORMATION (C	de specific references, d.	g., state fees, sample analysis	, reports)		······································	
							:
į							

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

PART 3 - DESCRIPTION OF HA	AZARDOUS CONDITIONS AND INCIDI	ENTS	
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 2 A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	□ ALLEGED
HIGHLY PERMEARUE SOIL INTHE ARE	COULD ALLOW CONTAMINATOR	ot nation to	GROWNSWATER
-			
01 対B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL	☐ ALLEGED
SURFACE RUNOFF ENTERS ISCHUA CREEK	L AND ONE OF ITS TRIPHTAFE	(
01 D. C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	□ ALLEGE O
		·	
D1 D D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED.	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	□ ALLEGED
01 XE. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 ☐ OBSERVED (DATE:	** ACPOTENTIAL	C ALLEGED
BREACHED DRUMS ARE ON SITE			
01 & F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acres)	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	& POTENTIAL	□ ALLEGED
CONTENTS OF DRUMS HAS REACHED G	ground surfice		
DI 是G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:] 04 NARRATIVE DESCRIPTION	DEPOTENTIAL	ALLEGED
AREA RESIDENTS USE GROUNDWATER			
01 M H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 D OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	□ ALLEGED
TOWN WORKERS EXCAVATING GRAVES			
01 St. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 © OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	D POTENTIAL	D ALLEGED
ALEA IS EASILY ACCESSIBLE			
	-		

POTENTIAL HAZARDOUS WASTE SITE

1	J.	IDEN	IF	CAT	ION	
ł	01	STATE	02	SITE	NUMBER	

	TART ASSESSMENT ZARDOUS CONDITIONS AND INCIDENTS	s Lill	
II. HAZARDOUS CONDITIONS AND INCIDENTS (Contract)		······································	
D1 D J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE:)	D POTENTIAL	☐ ALLEGED
01 TI K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include namels) of species	02 D OBSERVED (DATE:]	E POTENTIAL	□ ALLEGEO
01 D L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 O OBSERVED (DATE:)	E) POTENTIAL	☐ ALLEGED
O1 DO M. UNSTABLE CONTAINMENT OF WASTES (SCAUNDOFICIATION POTENTIALLY AFFECTED: BREACHED PRUME ON-SITE HAS SPILLE		·	☐ ALLEGED
01 E N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 © OBSERVED (DATE:]	E) POTENTIAL	☐ ALLEGED
01 E O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE:]	D POTENTIAL	□ ALLEGED
01 G.P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE:)	D POTENTIAL	□ ALLEGED
OS DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEC	SED HAZAROS		
III. TOTAL POPULATION POTENTIALLY AFFECTED:			
IV. COMMENTS			<u>.</u>
V. SOURCES OF INFORMATION (Cre specific references, e. g., stere bles.	sample enalysis, reports)		· · ·
	·		

SEPA		NTIAL HAZARI SITE INSPECT				UI STATE 0	2 SITE NUMBER	
WILLIA.		OCATION AND			MATION	Ll		
II. SITE NAME AND LOCA	TION			_ 				
O1 SUTE NAME (Legal common or d	escriptive name of sites		/		PECIFIC LOCATION	DENTIFIER		
MACHIAS C	TRAVEL PIT		VE	RY ROAD				
03 CitY			04 STATE	05 ZIP CODE	08 COUNTY		07COUNTY 000E	08 CONG DIST
MACHIAS			NY		CATTARA	4645		<u> </u>
09 COORDINATES	LONGITUDE	TYPE OF OWNERSHI	P (Check un	OFRA!	OC.STATE O	COUNTY	E. MUNICIP	AL.
42 24 30.0	078 32 00.0	D F. OTHER _	Tow			S. UNKNOWN		
III. INSPECTION INFORM		05 005 01						
O1 DATE OF INSPECTION	02 SITE STATUS 0	3 YEARS OF OPERAT	778	, -	1	INKNOWN		
7,29,83	□ INACTIVE		NING YEA	A ENDING YEA				
04 AGENCY PERFORMING INSP	ECTION (Check all that apply)							
🗗 A. EPA 🔀 B. EPA CO	CONTRACTOR RECLA RES	oolim)	C. ML	UNICIPAL D.	MUNICIPAL CONTR	ACTOR	(Name of Army	,
E. STATE STATE	CONTRACTOR RECEARED	od himi	Ω G. ΟΤ	HER	(Specify)			
05 CHIEF INSPECTOR		06 TITLE			07 ORGANIZA		08 TELEPHON	
ANDRE J. L	APRES	STAFF	CIEE	LOGIST	RÉGRA R	ESCARCH	17/61838	
09 OTHER INSPECTORS		STAFF 10 TITLE STAFF					12 TELEPHOAE	
DIANE M. U	JERNEIWSKI	STAFF	(140	L09157	RECEAL	EJE ARCH	(716) 838	6200
							()	
			•				()	· .
							()	
							()	
13 SITE REPRESENTATIVES INT	ERVIEWED	14 TITLE	1	SADDRESS			16 TELEPHON	ENÓ
BOB KREPP	C	ļ		Town HA	LL MACH	1/45	()	
The state of the s							()	
							()	
							()	
							()	
							()	
17 ACCESS GAINED BY (CAPEA ONE) PERMISSION WARRANT	18 TIME OF INSPECTION	CLOUD		70°F				· · · · · · · · · · · · · · · · · · ·
IV. INFORMATION AVAIL	ABLE FROM	T02.06				т.	03 TELEPHONE	NO.
DT CONTACT	<u></u>	02 OF IAgency/Organ					(114) 838.	
RICHARD L				SEARCH, L				
AND RESPONSIBLE FO		05 AGENCY	I	GANIZATION (RA)	(716) 838		08 DATE	
I HUDRE V	LUPOEC	1	1 KF	/KB	14.6/03.	* * *	MONTH DA	YEAR

POTENTIAL HAZARDOUS WASTE SITE

LIDENTIFICATION
OF STATE OF SITE NUMBER

H. WASTE ST	TATES, QUANTITIES, AN	ID CHARACTER	ISTICS	 			
	TATES (Cherk at Indianal Co.)	1 02 WASTE QUANT	ITY AT SITE	03 WASTE CHARAGTE			.O. 434 F
D A SOLID	L) E SLURAY	musi 6+	enderpendenti	L) B COHROS	U E SOLL SIVE U F INFEC		
LI B POYIDE	R, FINES JK F. LIQUID	TONS .		□ C RADIOA	CTIVE SE FLAN	MABLE I K REACT!	VE ATIBLE
⊕ C SLUDGE		CUBIC YARDS .		LI D PERSIST	ENT LI H IGNI	C M NOT AP	PLICABLE
LI D OTHER	(Specky)	NO OF DRUMS	≈ 15				
H. WASTE T	YPE						
CATEGORY	SUBSTANCE N	IAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE						
OLW	OILY WASTE						
SOL	SOLVENTS						
PSD	PESTICI DES						
occ	OTHER ORGANIC CI	HEMICALS					
юс	INORGANIC CHEMIC	ALS		<u> </u>			
ACD	ACIDS						
BAS	BASES						
MES	HEAVY METALS			1		<u></u>	·
V. HAZARDO	DUS SUBSTANCES (5.0 A	poendu for mast freauen	illy cried CAS Rumbers)	_			T OC LIE A STIRE O
I CATEGORY	T		03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD		05 CONCENTRATION	06 MEASURE O
					<u> </u>		
							<u> </u>
	-						
							<u> </u>
			+				<u> </u>
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			+				
	· · · · · · · · · · · · · · · · · · ·			+			
	<u> </u>						
	OCKS (See Appendix for CAS Nun		02 ÇAS NUMBER	CATEGORY	O1 FEEDS	STOCK NAME	02 CAS NUMBI
CATEGORY	01 FEEDSTO	CK NAME	UZ ÇAS NUMBEN	FDS			
FDS							
FDS				FDS			
FDS				FDS			
FDS				FDS	1		<u> </u>
VI. SOURCE	S OF INFORMATION 10	ne specific reterences, e	.g., state files, sample analys	s. reports)			

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

 T.	IDENT	TIFICATION	
01	STATE	02 SITE NUMBER	_

BART 3- DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

PART 3 - DESCRIPTION OF TO			
L HAZARDOUS CONDITIONS AND INCIDENTS	02 디 OBSERVEO (DATE:)	& POTENTIAL	☐ ALLEGED
01 A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		_
HIGHLY PORMEABLE SOILS IN TO		ENTS OF BREAK	420
DRUME TO MIGRATE TO GROUND	WATER		
	02 D OBSERVED (DATE:)	POTENTIAL	☐ ALLEGED
DUZ B SURFACE WATER CONTAMINATION D3 POPULATION POTENTIALLY AFFECTED:	04 NERRATIVE DESCRIPTION	, 2 / 3 / 2	
SURFACE RUNDER ENTER FICHUA	CREETL AND ONE OF ITS TH	CIAUTARIER	
TO THE OF AIR	02 □ OBSERVED (DATE:)	D POTENTIAL	□ ALLEGED
01 D. C. CONTAMIN AT ION OF AIR 03 POPULATION PO TE NTIALLY AFFECTED:		2	
01 D. FIRE/EXPLOSIVE CONDITIONS	02 O OBSERVED (DATE:)	D POTENTIAL	□ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		•
		-EE-POTENTIAL	□ ALLEGED
01 DE DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	ACKNIEW MT	U ALLOED
BRETICHED PRUMS ARE ON SITE			
01 XF. CONTAMINATION OF SOIL	02 C OBSERVED (DATE:)	₽ POTENTIAL	□ ALLEGED
03 AREA POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
CONTENTS OF PRUME WAS OPERAVE	p on group surface		
01 S.G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 G OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	₽ POTENTIAL	☐ ALLEGED
AREA RESIDENTS USE GROUNDWATE	the feat domestic suffered.		
01 TH. WORKER EXPOSURE/INJURY	02 D OBSERVED (DATE:)	AT POTENTIAL	☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
1000 WARES CACAVALING GA	Constitution of the Consti		
01 SCI. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 © OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	(DEPOTENTIAL	□ ALLEGED
AREA IS EASILY ACCESSIBLE			

POTENTIAL HAZARDOUS WASTE SITE

2 SITE	NUMBER	1
		FICATION 2 SITE NUMBER

	SPECTION REPORT AZARDOUS CONDITIONS AND INCIDEN	15	SIE NUMBEN
II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)			
01 D J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE)	3 POTENTIAL	
01 T.K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION on the superior s	02 DOBSERVED (DATE	D POTENTIAL	□ ALLEGED
D1 D L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 O OBSERVED (DATE:	(I) POTENTIAL	☐ ALLEGED
D1_87M. UNSTABLE CONTAINMENT OF WASTES (Sp#u/Runoft/Standing bounds Leaking drums)	02 D OBSERVED (DATE:)	() POTENTIAL	X ALLEGED
AS DOOD ATON DOTE MALLY AFFECTED.	04 NARRATIVE DESCRIPTION	: 1. 0 CDE =	c.
BREACHED DRUMS ON-SITE AND WAS	TE MAS STOLES OF TO GROUPS	, wome	. •
01 D N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE:]	D POTENTIAL	□ ALLEGED
01 (1) O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION	O2 D OBSERVED (DATE:)	D POTENTIAL	□ ALLEGED
	· .		
01 D P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE:)	E POTENTIAL	□ ALLEGED
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEC	GED HAZAROS		
III. TOTAL POPULATION POTENTIALLY AFFECTED:			
IV. COMMENTS			
V. SOURCES OF INFORMATION (CAN specific references. 0. g., state lines.	sample analysis, reportar		
			1

80	74

POTENTIAL HAZARDOUS WASTE SITE

I. IDENT	IFICATION
01 STATE	02 SITE NUMBER

SEPA .		SITE INS		7101	
	PART 4 - PERMI	IT AND DES	CRIPTIVE INFORMA	CHON	
II. PERMIT INFORMATION			·	• • • • • • • • • • • • • • • • • • • •	
O1 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	D3 DATE IS	SUED 04 EXPIRATION DA	TE 05 COMMENTS	
(Check at Inal apply)	Ì				
DA NPDES					
□ B. UIC					
C. AIR				_	
D. RCRA					
E. RCRAINTERIM STATUS				- 	
DF. SPCCPLAN					
C. G. STATE (Specify)					
H. LOCAL (Special)					
1. OTHER (Specify)				<u> </u>	
□ J. NONE	<u>_i</u>				
III. SITE DESCRIPTION					05 OTHER
01 STORAGE/DISPOSAL ICAREX M IN IL REPLY)	DIANOUNT 03 UNIT	OF MEASURE	04 TREATMENT (Check aft	nar apply)	Jasonina
D A. SURFACE IMPOUNDMENT			A, INCENERATION		TA, BUILDINGS ON SITE
D B. PILES			B. UNDERGROUND I		
C. DRUMS, ABOVE GROUND			C. CHEMICALIPHYS	ICAL	• •
D. TANK, ABOVE GROUND			D. BIOLOGICAL DE. WASTE OIL PROC	ESSING	06 AREA OF SITE
E. TANK, BELOW GROUND			F. SOLVENT RECOV		n
☐ F, LANDFILL - ☐ G, LANDFARM -			G. OTHER RECYCLI		D. 5
☐ H. OPEN DUMP			☐ H. OTHER	(Specity)	
I. OTHER	····			(∆p ∍cπy)	
COUTANIAS NT					
O1 CONTAINMENT OF WASTES (Check one)			· · · · · · · · · · · · · · · · · · ·		
A. ADEQUATE, SECURE	☐ B. MODERATE	X (c.≀	NADEQUATE, POOR	O D. INSEC	URE, UNSQUND, DANGEROUS
02 DESCRIPTION OF DRUMS, DIKING, LINERS	BARRIERS, ETC.				
V. ACCESSIBILITY					
01 WASTE EASILY ACCESSIBLE: XY OZ COMMENTS	ES 🖸 NO				
VI. SOURCES OF INFORMATION (Ca)	e speces reterences, e.g. state Wes,	sample shalysis, 16	(ports)		
THE GOOD IN THE CHARACTER OF THE COLUMN TO T					
1					1.

POTENTIAL HAZARDOUS WASTESITE

I. IDENTIFICATION

SELFA		SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA					01.5	STATE Q2 SITE NUMBER	A
II. DRINKING WAT	TER SUPPLY								
DI TYPE OF DRINKING (Check at applicable)	SUPPLY	-	02 STATUS				C	03 DISTANCE TO SITE	
	SURFACE		ENDANGER		ECTED	MONITORED		2 0	
COMMUNITY	A.,ÌS∕ C. □	8. 5 2'	A. 🗆		. O . O	C. [] F. []	,	A 2.0 [mi	•
NON-COMMUNITY		D.)S			. U			3	
III. GROUNDWATERUS									
ME A ONLY SOURCE		B DRINKING (Other sources everable)	DUSTRIAL IRRIGATIO	4.	COMMERCIAL enned other so	L, INDUSTRIAL, IRRIGAT urces exeriable)	TON	🗅 D. NOT USED, UNUS	SEABLE
02 POPULATION SERV	ED BY GROUND WA	TER	•	03 DISTANC	E TO NEARE	EST DRINKING WATER W	AEIT —	D. 2(mi)
84 DEPTH TO GROUND	WATER	05 DIRECTION OF GROU	UNDWATER FLOW	OS DEPTH TO		07 POTENTIAL VIEU	D	DE SOLE SOURCE A	OUIFER
30	(ft)			OF CONC			_ (gpd)	☐ YES □	0 0
10 RECHARGE AREA	NTS			11 DISCHAR	GE AREA COMMEN	тѕ			
□ NO				ОМО					
IV. SURFACE WAT									
O1 SURFACE WATER US D. A. RESERVOIR, DRINKING W.			Y, ECONOMICALLY T RESOURCES	∕ □ c . c	OMMERCE	FAL, INDUSTRIAL	0	D. NOT CURRENTLY	(USED
02 AFFECTED/POTENTI	IALLY AFFECTED BC	DDIES OF WATER							
NAME:						AFFECTED		DISTANCE TO SITE	E
Isun	UA CREEK	SCHUA CROSK						0.5	(mi)
TRIRAT,	ARY TO IS	SCHUL CREEK					_		(mi)
							_		(ml)
V. DEMOGRAPHIC	AND PROPERT	Y INFORMATION					-	,	
D1 TOTAL POPULATION					0:	2 DISTANCE TO NEARE	ST POP	ULATION	
ONE (1) MILE OF S	ITE TW E	NO (2) MILES OF SITE B	THREE (3	3) MILES OF S 2500 NO. OF PERSONS	SITE			(ml)	
D3 NUMBER OF BUILDIN	IGS WITHIN TWO (2)) MILES OF SITE		D4 DISTANC	E TO NEARE	ST OFF-SITE BUILDING			
	250	o		-		0.2		(ml)	:
OS POPULATION WITHIN	VICINITY OF SITE ((Provide narrative description of n	nature of population within	inicinally of site . e.ç	J., rural, villaga.	densely populated inten are	e)		

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

	LIDENTIFICATION						
į	OLSTATE	02 SITE NUMBER					

VEITA	PART 5 - W	VATER, DEMOGRAPH	HIC, AND ENVIRO	NMENTAL D	ATA L	l	
VI. ENVIRONMENTAL INFORMA	ATION			· · · · · · · · · · · · · · · · · · ·			
01 PERMEABILITY OF UNSATURATED Z				**			
□ A. 10 ⁻⁶ - 10 ⁻	-8 cm/sec □ B.	10-4 - 10-8 cm/sec	€C. 10-4 - 10-3 cm	i/sec ⊕ D. GR	EATER THAN 1	10 ⁻³ cm/sec	
OZ PERMEABILITY OF BEOROCK (Check	onei						
☐ A IMPERN	MEABLE S B.	RELATIVELY IMPERMEAB	ILE C. RELATIVEL	LY PERMEABLE 4 cov (ac)	D. VERY	PERMEABLE man 10 ⁻² cm 10cj	
03 DEPTH TO BEDROCK	04 DEPTH OF CON	TAMINATED SOIL ZONE	05 SOIL OF	1			
99 (n)		(ff)					
06 NET PRECIPITATION	07 ONE YEAR 24 H		OB SLOPE SITE SLOPE	DIRECTION OF	SITE SLOPE	TERRAIN AVER	AGE SLOPE
(in)		2,0 (in)	5 %	NORTH &	EAST		×
09 FLOOD POTENTIAL	10		<u></u>	<u> </u>	1		
SITE IS IN YEAR FLO	ODPLAIN	☐ SITE IS ON BARRI	IER ISLAND, COASTA	L HIGH HAZARE	AREA, RIVERI	INE FLOODWAY	
11 DISTANCE TO WETLANDS (5 acre minim	LON)		12 DISTANCE TO CRIT	KAL HABITAT (of a	indangered speces	•	
E S TU AR IN E	0	THER		_		. (mi)	
A (mi)	в. О,	<u>5</u> (mi)	ENDANGERE	D SPECIES:		. 4°	
13 LAND USE IN VICINITY							
DISTANCE T O : COMMER CIA L/INDUSTR		SIDENTIAL AREAS; NATIO FORESTS, OR WILDUF		PRIME	AGRICULTUI AG LAND	RAL LANDS AG LANI	D
A (mi)		В	(mi)	C	(mi)	D	(mi)
14 DESCRIPTION OF SITE IN RELATION	TO SURROUNDING TO	DPOGRAPHY					
					 -		
VII. SOURCES OF INFORMATIO	N (Cité specific referenci	es, e.g., state lifes, sample analysis,	reports)				
				•			

€ EPA		OTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 6 - SAMPLE AND FIELD INFORMATION	I. IDENTIFICATION OF STATE OF STE NUMBER
II. SAMPLES TAKEN	OI NUMBER OF	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
SAMPLE TYPE	SAMPLES JAKEN		
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			
III. FIELD MEASUREMENTS TA	KEN		
O1 TYPE	02 COMMENTS		
IV. PHOTOGRAPHS AND MAPS	·	02 IN CUSTODY OF RECRA RIJEMECH IN C	
01 TYPE GROUND AERIAL 03 MAPS 04 LOCATION	I	(Name of organization or individual)	
	CHA RESEARC	y, INC.	
V. OTHER FIELD DATA COLLE	CTED (Provide natrative des	icrotion)	
VI. SOURCES OF INFORMATIO	N (Cre specific releasers)	e.g., statę fies, sample analysis, reports)	

SEPA	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 7 - OWNER INFORMATION			ILIDENTIFICATION OF STATE TOP SITE NUMBER		
I. CURRENT OWNER(S)			PARENT COMPANY (# apolicable)			
) I NAME		02 D+B NUMBER	OB NAME	109	D+B NUMBER	
TOWN OF MACHIAS DISTREET ADDRESS (PO BOL PROPO DIC)		04 SIC CODE	10 STREET ADDRESS (P O Box RFD F	, 1	11 SIC COD€	
Town HALL	* 07 - 75		12 GiTY	13STATE 14	4 ZIP CODE	
MACHIAS		07 ZIP CODE			D+B NUMBER	
DI NAME	1	02 D+B NUMBER	08 NAME			
DI STREET ADORESS (P O Bos. RFD F. etc.)		04 SIC CODE	10 STREET ADDRESS IP O. Bos, RFD etc.		11SC COD€	
os ary	OG STATE	07 ZIP CODE	12 CITY	13 STATE 1		
01 NAME	- 1	02 D+B NUMBER	OB NAME	0.5	9 D+B NUMBER	
D3 STREET ADDRESS (P.O. Box, RFD F, etc.)		04 SIC CODE	10 STREET ADDRESS (P.O. Box. RFD #, etc.	1	11SK COO€	
os city	OG STATE	07 ZIP COD€	12 GITY	13 STATE 1	4 ZIP CODE	
01 NAME		02 D+B NUMBER	OB NAME	9D+BNUMBER		
03 STREET ADDRESS (P. 0. 60+, RFD #, etc.)		04 SIC CODE	10 STREET ADDRESS (P O Bos. RFO s. etc.	10 STREET ADDRESS (P O Bos. RFD . etc.)		
05 C/TY	106 STATE	07 ZIP CODE	12 GTY	13 STATE 1	4 ŽIP CODE	
HI. PREVIOUS OWNER(S) (Lat most recent to	rst)	I	IV. REALTY OWNER(S) IN ADDICABLE			
O1 NAME		02 D+B NUMBER	01 NAME	°	12 D+8 NUMBER	
03 STREET ADDRESS (P O Box, RFD +, etc.)		04 SIC CODE	03 STREET ADDRESS IP. O. Boat, RFD	04 SIC CODE		
05 CTY	OBSTATE	07 ZIP CODE	OS CITY	OS STATE C	07 ZIP COO€	
O1 NAME		02 D+B NUMBER	O1 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P 0. Box. RFD P. etc.)		04 SIC CODE	03 STREET ADDRESS (P O. Bos. RFD F. etc.	03 STREET ADDRESS (P O. Box. RFD F. etc.)		
os ary	06 STATE	E 07 ZIP CODE	05 CITY	06 STATE O	O7 ZIP CODE	
O1 NAME		02 D+B NUMBER	01 NAME		02 0+8 NUMBER	
03 STREET ADORESS (P 0. 60x, RFD 4, etc.)		04 SIC CODE	03 STREET ADDRESS (P. O. Box, RFO e. etc.)		04 SIC CODE	
оѕспу	OBSTATE	E 07 ZIP CODE	05 CHY	06 STATE	07 ZIP CODE	
V. SOURCES OF INFORMATION (C40)		s, a g., ziała fres, samo-a anan	yars reports)			
					•	

SEPA		SITE INSPE	ARDOUS WASTE SITE CTION REPORT ATOR INFORMATION	1. IDENTIF	ICATION SITE NUMBER
II. CURRENT OPERATOR Promotes	(intent loom burner)		OPERATOR'S PARENT COMPAN	Y (If appreadus	
TOWN OF MAC	4103	D2 D+B NUMBER	10 NAME		I I D + B NUMBER
TOWN OF MAC O3 STALET ADDRESS IP O BOL APDR OICE TOWN HIGHWAY	Dept.	04 SIC CODE	12 STREET ADDRESS IP & Gos, RID F. etc.)	-	+3 SIC CODE
MACHIAS	DE STATE	O7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
DB YEARS OF OPERATION DB NAME OF C	WNER				
III. PREVIOUS OPERATOR(S)	i recent lest, provide only	Editerent from awner)	PREVIOUS OPERATORS' PARENT	COMPANIES #	ianic shis)
O1 NAME C2 D+B NUMBER			10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD . erc.)		04 SIC CODE	12 STREET ADDRESS (P.O Bos. RFD #. etc.)		13 SIC CODE
05 CITY	OB STATE	D7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 09 NAME OF O	OWNER DURING THIS	PERIOD			
O1 NAME		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADORESS (P.O. Box, RFD.O. etc.)		04 SIC COD€	12 STREET ADDRESS IP O Gos. RFD P. etc.)		13 SIC CODE
05 CITY	D6 STATE	O7 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 08 NAME OF C	OWNER OURING THIS	PERIOD			
O1 NAME	[D2 D+8 NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS IP O BOL REDE. HCJ	I	04 SIC CODE	12 STREET ADDRESS IP O. Dos. RFD 4. etc.)		+3 SICCODE
05 CITY	OB STATE	07 ZIP CODE	14 СПУ	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 09 NAME OF C	I I	PERIOD		k	
IV. SOURCES OF INFORMATION (C	an specific relevences, e	g., State files, kemple analys	sis, reports)		
			•		
			•		
					,
					'

SEPA		SITE INSPE	ARDOUS WASTE SITE	I. IDENTIF	CATION SITE NUMBER	
QV LIII	PART 9	- GENERATOR/T	RANSPORTER INFORMATION			
II. ON-SITE GENERATOR		000				
O1 NAME		02 D+8 NUMBER				
03 STREET ADDRESS (P.O. &c. AFD +, etc.)		04 SIC CODE				
05 CITY	06 STATE	07 ZIP CODE				
III. OFF-SITE GENERATOR(S)					020+8100255	
O1 NAME		02 D+8 NUMBER	01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P. O. Box. RFD F. etc.)		04 SIC CODE	O3 STREET ADDRESS (P.O. Box, AFD P. etc.)		04 SIC CODE	
05 CTY	OB STATE	07 ZIP CODE	05 GITY	OB STATE	07 ZIP CODE	
O1 NAME	_,	02 D+B NUMBER	01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P. O. Box, RFD #, etc.)	33 STREET ADDRESS (P 0. Box. RFD #, etc.)		03 STREET ADDRESS IP O Bos, RFD 0, oic)	03 STREET ADDRESS IP O Box, RFD # . etc.)		
OS CITY	06 STATE	07 ZIP CODE	05 CITY	OB STATE	07 ZIP CODE	
IV. TRANSPORTER(S)				I ,		
		02 D+B NUMBER	01 NAME		02 D+8 NUMBER	
03 STREET ADDRESS (P. O. BCz., RFO F. etc.)		04 SIC CODE	03 STREET ADDRESS (P. O. Box, AFD P. etc.)		04 SIC @DE	
05 CITY	OG STATE	07 ZIP CODE	05 GTY	OB STATE	07 ZIP CODE	
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P. O. Sca., RED F. etc.)		04 S/C CODE	03 STREET ADDRESS (P O Bos, RFO P. etc.)		04 S/C CODE	
05 CTTY	OB STATE	07 ZIP CODE	05 CITY	O6 STATE	07 ZIP CODE	
V. SOURCES OF INFORMATION (CAN)	specific references,	e g., stata files, sample analysi	3, (apprils)			
		•				
					••	

			T. Including
.C.EDA	OTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES		L IDENTIFICATION
H. PAST RESPONSE ACTIVITIES			
01 D A WATER SUPPLY CLOSED 04 DESCRIPTION	O2 DATE		
01 D B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	O2 DATE		
01 D.C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	O2 DATE		
01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	O2 DATE		
01 (1) E. CONTAMINAT ED SOIL REMOVED 04 DESCRIPTION	O2 DATE	03 AGENCY	
01 [] F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE		
01 D G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	O2 DATE		
01 - H. ON SITE BURIAL 04 DESCRIPTION	O2 DATE		
01 D I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE		
01 D J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	O2 DATE	03 AGENCY	
01 () K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	O2 DATE	03 AGENCY	
01 D. L. ENCAPSULATION 04 DESCRIPTION	O2 DATE	03 AGENCY	
01 D M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	O2 DATE	03 AGENCY	·
01 D N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY	
01 D O. EMERGENCY DIKING/SURFACE WATER	DIVERSION 02 DATE	03 AGENC	Υ

02 DATE ___

02 DATE _

03 AGENCY _

03 AGENCY _

01 | P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION

01 [] Q. SUBSURFACE CUTOFF WALL. 04 DESCRIPTION

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION			
01	STATE	02 SITE NUMBER	

MEPA	PART 10 - PAST RESPONSE ACTIVITIES	
IL PAST RESPONSE ACTIVITIES (Control		
01 R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION -	02 DATE	03 AGENCY
01 - S. CAPPING'COVERING 04 DESCRIPTION	02 DATE	
01 D T. BULK TANKAGE REPAIRED 04 DESCRIPTION	Q2 DATE	O3 AGENCY
01 D U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
O1 [] V. BOTTOM SEALED O4 DESCRIPTION	02 DATE	
01 - W. GAS CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
01 (1) X. FIRE CONTROL 04 DESCRIPTION	O2 DATE	03 AGENCY
01 O Y. LEACHATE TREATMENT 04 DESCRIPTION	Q2 DATE	03 AGENCY
01 [] Z. AREA EVACUATED 04 DESCRIPTION	O2 DATE	03 AGENCY
01 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE	
01 🗆 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE	03 AGENCY
01 □ 3. OTHER REMEDIAL ACTIVITIES 04 Description	O2 DATE	03 AGENCY

III. SOURCES OF INFORMATION (Crie specific reterences, e.g., state (see, sample snays), reports

SEPA

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

I. IDENTIFICATION

II. ENFORCEMENT INFORMATION

DI PAST REQUIATORY/ENFORCEMENT ACTION CHYES CHNO

O7 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORGEMENT ACTION

...

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

4.0 Site History

The inactive Town of Machias Gravel Pit is located approximately 1000 feet south of the intersection of the Very Road and Route 16. The Gravel Pit was used from March 1978 to September 1978 for the storage of approximately 600 drums of waste material generated at the Motorola Plant in Arcade (Reference 1). The drums were delivered to the site by hauler Daniel Griswald. Records indicate that permission was never granted for the use of the property as a disposal site. However background information indicates that the oily waste material was used by town employees for dust control on local roads. Approximately one-half of the remaining wastes were spilled onto the ground surface.

Background information, supplied by the Motorola Corporation regarding the nature of the waste disposed of as a result of manufacturing processes, reveals that the drummed materials may contain: epoxy resins, hydrochloric acid, phosphoric acid, toluene, xylene, trichloroethane, trichloroethlene, freon and cutting oils. These wastes are considered moderately toxic based on the information supplied and the literature reviewed (Reference 1).

The exact nature of the contents of the drums remaining on-site has yet to be determined. No analytical testing of any sort has been performed on-site.

5.0 Site Data

5.1 Site Area Surface Features

- 5.1.1 Topography and Drainage Topography of the area around the Machias Gravel Pit consists of low rolling hills disected by numerous perennial and intermittent streams. Drainage of the surrounding land flows in a easterly direction via Ischua Creek. Surface runoff from the site flows north and east via roadside ditches which ultimately discharge into Ischua Creek and one of its tributaries. Directly east of the site the Ischua Creek Dam forms a large spillway and wetland area. Bird Swamp occupies a large area approximately 1,000 feet south of the site (Reference 9). Ischua Creek and Bird Swamp are both classified as Class "C" water resources (Reference 10).
- 5.1.2 Environmental Setting Bird Swamp and the wetlands created by Ischua Creek Dam are located within 1,000 feet of the site (Reference 9). Ischua Creek and one of its tributaries may be impacted by surface runoff from the site. There are no critical habitats of endangered species or wildlife refuges in the vicinity. Private residents on well water are within 500 feet of the site (Reference 8).

5.2 Site Hydrogeology

5.2.1 Geology - Bedrock in the area of the Machias Gravel Pit is the

Gowanda Shale Member of the Canadaway Formation. This unit consists of interbedded light gray to grayish-black shales and thin to thick bedded light gray siltstones. Many zones of calcareous concretions are also found in this unit. Overall thickness of the Gowanda Shale is approximately 275 feet (Reference 4). Depth to bedrock in the area is reported to be ninety (90) feet (Reference 3). Overburden materials consist of glacial gravel, till and aluvial deposits. Regional dip of the bedrock unit is 0.5° to the south (Reference 4).

5.2.2 Soils - The surficial soil at the site has been classified by the U.S. Department of Agriculture as Chenango Gravelly Sandy Loam. This material is characterized as a deep, well-drained to somewhat excessively drained soil which was formed in water sorted material on glacial outwash plains. Permeabilities associated with soils of this type range from 10-3 to 10-5 cm/sec. Clay percentages in this soil range from 6 to 18 percent to a depth of 30 inches. From 30 to 70 inches clay ranges drop to 1 to 8 percent. Note has been made that this soil offers severe limitations for landfilling operations due to seepage and high sand content (Reference 7). The immediate area of the drum disposal is an abandoned gravel pit which has been excavated to a depth of approximately twenty (20) feet

below the original ground surface (Reference 8).

5.2.3 Groundwater - All residents in the area of the Machias Gravel Pit rely on private well water for domestic supplies (Reference 5). These wells are at a reported depth of between thirty (30) and forty (40) feet and are screened in a gravel till aquifer (Reference 6). This aquifer is the first water encountered beneath the ground surface. The Village of Machias provides municipal water to residents within the village limits. This water is drawn from two (2) wells, located adjacent to New York Route 16, north of the village, and two (2) springs located adjacent to Rosick Road and Riceville Road (Reference 5).

5.3 Previous Sampling and Analysis

- 5.3.1 <u>Groundwater Quality Data</u> There is no groundwater quality data for the area.
- 5.3.2 <u>Surface Water Quality Data</u> There is no surface water quality data for the area.
- 5.3.3 Air Quality Data There is no air quality data for this area.
- 5.3.4 Other Analytical Data None.

6.0 Adequacy of Available Data

In compiling the Hazard Ranking Score, the Machias Gravel Pit was found to have a score for migration potential (S_m) equal to 23.9. However, due to data inadequacies, a certain degree of subjectivity was involved in scoring the site; and: therefore, a range has been developed for S_m . The range for the Machias Gravel Pit is considered 23.0 to 40.0. Data inadequacies are as follows:

- o The exact nature of the contents of the drums is unknown.
- o Total population of the area has been estimated.
- o Lack of site-specific geology and hydrogeology.
- o Quality of groundwater supplies of area residents is unknown.
- o Extent of migration of spilled materials is unknown.
- o No analytical data available.
- No air quality data available.

7.0 PROPOSED PHASE II WORK PLAN

7.1 Objectives

As per the inadequacies of the data base that were itemized in the preceding section, a work plan has been developed which, to the extent practical, will provide the information required to address the following:

- o Potential environmental effects of the landfill.
- o The extent and magnitude of contamination, based on site specific hydrogeologic conditions.
- o The data inputs necessary to effectuate the development and recommendation of cost effective remedial actions.

Detailed descriptions of the elements of this work plan are herein provided.

7.2 Scope of Work

The primary purpose of this work element is to fill the data gaps identified in the preliminary assessment so as to permit a complete site characterization/ranking (HRS) and engineering evaluation of remedial alternatives. The preliminary field investigation includes the following items:

- o Air Monitoring
- o Geophysical Exploration
- o Subsurface Investigation
- o Monitoring Well Installation
- o Sampling and Analysis

Throughout the investigative effort, field activities will be performed in strict accordance with established safety protocol, presented in Recra Research, Inc.'s Operation Manual - Field and Analytical Services (previously submitted to NYSBEC by Recra as part of a prequalifying submission).

7.2.1 Air Monitoring - Prior to implementation of the various field investigative techniques associated with this element, an initial site screening will be conducted using a Century Organic Vapor Analyzer (OVA) and/or an HNU photoionizer. Based upon described site characteristics, Recra team personnel engaged in this activity will enter the site equipped with level 3 respiratory protection. A grid pattern will be established at the site and readings taken and recorded at each grid point. This survey will determine the initial level of protection necessary for workers' safety. In addition, upgradient and downgradient air monitoring stations will be established at both sites.

If the results are indicative of air quality problems, additional testing will be initiated at specified distances away from the site.

During actual field investigative work, ambient and worker air monitoring will be conducted periodically using appropriate instrumentation, such as the photoionizer and/or OVA. When deemed necessary from actual readings, the level of respiratory protection will be adjusted to meet existing conditions. All disposable equipment necessary for worker safety will be placed daily into covered on-site drums provided by Recra, and removed from the site and disposed of either upon reaching full capacity or upon completion of all field work.

7.2.2 Geophysical Exploration - After initial assessment of the ambient air quality at the site, a geophysical program will be performed to determine the limits of the disposal area. It will also aid in determining the possibility and extent of groundwater contamination. The geophysical method proposed to investigate the site is the VLF-EM Terrain Conductivity survey. This method is considered sufficient to define the bedrock surface, the depth of the fill material and any possible contaminant plume on the site.

The VLF-EM Terrain Conductivity survey will be performed by recording continuous conductivity measurements on an EM-31

terrain conductivity meter equipped with a strip chart recorder. These measurements will be taken on a grid pattern established using a tape and level, in the area of the disposal site.

- 7.2.3 <u>Subsurface Investigation</u> In order to facilitate additional information concerning possible groundwater contamination, preliminary findings indicate a need for subsurface investigations. This investigation will include:
 - A. One (1) exploratory boring west of the disposal area to determine the nature of the base in-situ soil. This boring will be located in the section of the site assumed to be upgradient of groundwater flow.
 - B. Two (2) exploratory borings east of the disposal area will be located downgradient of groundwater flow.
 - C. One (1) exploratory boring within the disposal area.

All borings will be completed as groundwater monitoring wells and will be constructed within the uppermost seasonal ground-water table.

D. An auger boring in the disposal area. This will be used to aid in determining the nature and extent of the

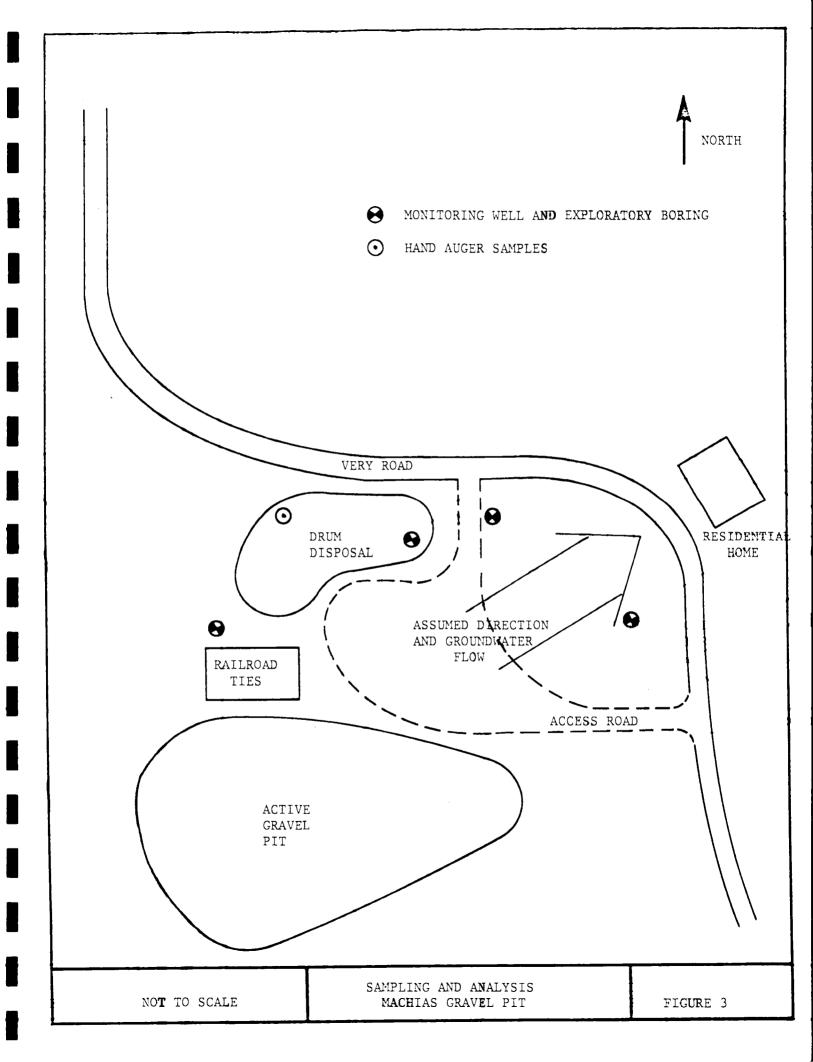
underlying material.

Well and sampling locations for this site are illustrated in Figure 3.

All exploratory borings will be drilled with a truck, trailer, and/or all-terrain-mounted auger rig using hollow stem augers. During construction of the borings, split spoon samples will be continuously obtained in the one first boring. In the other borings, split spoon samples will be obtained at five (5) foot intervals and/or when noticeable changes in lithology or drilling characteristics occur. If the unconsolidated material is found to be extremely heterogeneous, all borings will be continuously sampled. 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 the boring logs with the sample number and standard penetration test results (ASTM-D-1586), and placed in precleaned, teflon-lined, screw-cap glass jars for return to Recra Research, Inc.'s Tonawanda, New York laboratory.

In order to avoid possible cross-contamination during construction of the exploratory borings, the apparent upgradient



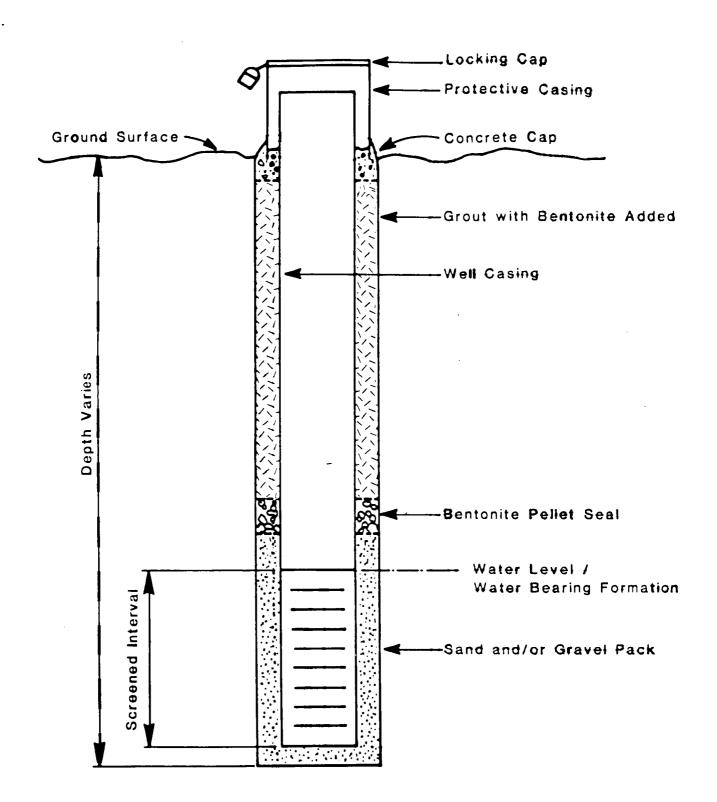
borings will be completed first; then the downgradient holes will be drilled. Between each boring, the augers will be cleaned with water obtained from a known non-contaminated source. Also, between each split spoon sample, the split spoon will be cleaned with water, acetone and distilled water. All spent water/acetone liquid accumulated during this process will be disposed of in an on-site drum. Prior to leaving the site, the drill rig will be decontaminated using high pressure water.

7.2.4 Monitoring Well Installation - The monitoring wells will be constructed of two-inch I.D. cast iron riser pipe with a five-foot long galvanized, wire-wound-wrapped steel screen. The screen will be placed just below the encountered water table. 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. If the site specific hydrogeologic conditions dictate the design of monitoring wells such that the well screen invert depths occur above their respective boring completion depths, the open bore hole intervals will be sealed with bentonite and/or cement bentonite grout mixture. A typical monitoring well in unconsolidated material is illustrated in Figure 4.

Figure 4

MONITORING WELL DETAIL

In Unconsolidated Formation



Upon completion of well construction, all monitoring wells will be properly developed, and all test borings and/or top of well casings will be surveyed to determine their location and elevation above sea level. At that time, variable head tests will be performed on the wells around the site to estimate the insitu permeability of the screened interval.

All field activity will be under the direct supervision of a qualified geologist and/or hydrogeologist.

- 7.2.5 Sampling and Analysis The following procedures will encompass the sampling of groundwater from the newly installed wells, the analysis of samples obtained from these wells and the analysis of selected soil samples from the exploratory and hand auger borings. If desired, all samples will be split with the owner of the site. Also, upon completion of the analytical program, the owner will be notified of the results if he so requests. All samples will be analyzed for the parameters listed in Table 1.
 - 7.2.5.1 <u>Groundwater</u> 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 the wells have been fully evacuated or volume of three times the well contents have been removed.

TABLE 1: ANALYTICAL PARAMETERS

Param e te rs	Surface Water	Groundwater
-11		
pH Sancific Conductance	•	• -
Speci f ic C onductance Chlor i de	•	•
Sulfa t e	•	•
Total Organic Carbon	•	•
Cadmi u m	•	•
Chromium (Total)	*	0
Chromium (Hexavalent)	*	0
Copper	*	0
Iron	*	0
Lead	*	0
Mercury	*	0
Nickel	*	0
Silver	*	0
Zinc	*	0
Total Recoverable Phenolics	•	•
Oils & Greases	•	•
Tolue n e	•	•
Volatile Organic Scan (VOS)	•	•
Halogenated Organic Scan (HOS)	•	•
Volatile Halogenated Organic Scan	•	•
Dry We ig h t		

o = **So**luble 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 conductivity detector.

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.

Evacuation of water from the wells and the acquisition of the samples will be accomplished by pumping with an ISCO Model 1580 peristaltic pump, using separate low-density polyethylene tubing for each well and changing the silicon rubber tubing within the ISCO between wells, or bailing with steel bailers separately designated for each well. Obtaining the required volume of sample for volatile organic analysis will be accomplished using steel bailers that have been separately designated for each well.

Upon collection of the samples, field pH, temperature and conductivity measurements will be recorded. The samples will be place in appropriate precleaned bottles/septa vials, labelled, chilled and immediately returned to Recra's Tonawanda, New York laboratory for preservation and analyses of previously listed chemical parameters. If the samples cannot be returned to Recra's laboratory in a timely fashion due to the distance between the site and Recra's laboratory, field preservation will be performed prior to chilling.

7.2.5.2 <u>Soil</u> - Selected subsurface soil samples will undergo both physical and chemical analyses. The remaining samples will be archived by Recra Research, Inc. for a period of six (6) months after completion of the contract.

The physical analysis will aid in the characterization of

parameters of concern during this investigation are grain size distribution (ASTM-D-422), Atterberg limits (ASTM-D-423 and 424) and classification (ASTM-D-248). The number of samples to undergo analysis for the above parameters is dependent on the homogeneity of the subsurface conditions underlying the bottom of the uncontrolled landfill. The results from these tests, in conjunction with Standard Penetration Test results, will aid in the design and evaluation of remedial programs.

Chemical analysis of selected samples will be used to characterize attenuation by on-site soils. A sample from the unsaturated zone and a sample from the saturated zone will generally be utilized from each test boring.

7.2.6 <u>Chemical Analytical Methods</u> - The procedures to be utilized for analyses of water, stream sediment and soil samples during this investigation are in basic accordance with one or more of the following reference texts:

- Methods for Chemical Analysis of Water and Wastes, United
 States Environmental Protection Agency,
- 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.
- 7.2.7 Quality Assurance Program An overall Quality Assurance Program is essential for the production of high-quality analytical data. Such a program requires precise control of laboratory activities. For the Quality Assurance Program in effect at the laboratories of Recra Research, Inc., the reader is referred to a document previously submitted by Recra Research, Inc. to NYSDEC, entitled "Operations Manual Field and Analytical Services".
- 7.2.8 Engineering Evaluation Report/HRS Score The purpose of this evaluation report is to compile all existing and newly-developed information concerning the sites, and utilize this information to:

- Evaluate feasible remedial alternatives at the site and prepare budget-level cost estimates for these alternatives.
- Based upon this evaluation, recommend the most costeffective and environmentally sound course of remedial action.
- Prepare a Hazard Ranking System (HRS) score for the sites.

It is presently anticipated that the output from this Evaluation Report will consist of a single bound report, subdivided into at least the following sections:

- HRS Score Utilizing USEPA's formal method of presentation (Federal Register/Vol. 47, No. 137/Friday, July 16, 1982), the following completed work sheets will be included in this opening section: HRS Cover Sheet; Groundwater Route Work Sheet; Surface Water Route Work Sheet; Air Route Work Sheet; Fire and Explosion Work Sheet; and Direct Contact Work Sheet.
- Background
- Summary of Project Activities

- Identification and Evaluation of Remedial Alternatives
- Recommendations
- Appendix Complete Site Data Base

7.3 Estimated Costs

The estimated costs per individual element of the preceding scope of work are listed as follows:

0	Preliminary Field Investigation	\$17,058
0	Sampling and Analysis	7,932
0	Engineering Evaluation	4,030
	Total	\$29,020

APPENDIX A

DATA SOURCES AND REFERENCES

- 1.) Letter to NYSDEC from Cattaraugus County Health Department regarding Motorola sites. September 20, 1978.
- 2.) Mitre Inc., Hazard Ranking System; July 16, 1982.
- 3.) Erie-Niagara Basin Groundwater Resources, NYS Water Resource Commission, ENB-3, 1973.
- 4.) Geology of Cattaraugus County, New York, Buffalo Society of Natural Sciences Bulletin; Irving H. Tesmer, 1975.
- 5.) Telephone conversation with Ray Jordan, Cattaraugus County Health
 Department, Machias, New York; August 26, 1983.
- 6.) Telephone conversation with representative of Willey Well Drillers,

 Arcade, New York; August 26, 1983.
- 7.) Telephone conversation wit U.S.D.A. Soil Conservation Service, Ellicottville, New York; August 26, 1983.
- 8.) Site visit and interview with Robert Krepps and town representatives;

 July 30, 1983.
- 9.) U.S. Geological Survey topographic map, West Valley Quadrangle, 1964.
- 10.) Codes, Rules and Regulations of the State of New York, 1966.

APPENDIX B

HAZARDOUS WASTE DISPOSAL SITE REPORT REVISED

Code: None

Site Code: None

Name of Site: Machias Gravel Pit

Region: 9

County: Cattaraugus

Town/City: Machias (T)

Street Address: Very Road

Status of Site:

- o Southern portion of site is an active gravel pit. Drums are surface piled in the inactive northern section of the pit.
- o Rural area with moderate relief.
- o Nearest dwelling is approximately 500 feet east of the site.
- o Nearest Water Body: Ischua Creek.
- o Nearest Water Supply: Residence on groundwater 500 feet east of site.
- o Soil Type: Chenango gravelly sandy loam.
- o Spillage and ponding of liquid from breached drums was observed on-site.

Type of Site: Town Gravel Pit

Estimated Size: One-half acre

Hazardous Waste Disposed? Confirmed

Type and Quantity of Hazardous Waste:

Approximately 50 drums were observed on-site during July 30, 1983 site

visit. Information supplied by Motorola indicates contents of drums are

halogenated and non-halogenated solvents, fluxes, acids and cutting oils.

Present Owner: Town of Machias

Time Period Site Was Used: 1978 to present.

Type of Samples: None

Remedial Action: None

Status of Legal Action: None

Permits Issued: None

Assessment of Environmental Problems:

Local residents use groundwater drawn from gravel aquifer 30 feet below ground surface. Area soils are highly permeable creating a potential for groundwater contamination due to migration of material spilled from drums.

Assessment of Health Problems: Unknown

Person Completing this Form: Andre J. LaPres, Recra Research, Inc.

Date: September 6, 1983.

N.Y.S.D.E.C.