The electronic version of this file/report should have the file name:

Type of document . Site Number . Year-Month . File *Year-Year* or Report name . pdf

_____.pdf

example: *letter . Year-Month . File Year-Year . pdf*

report . HW . 932011 . 1984-09-01 . Phase-I .pdf

example: *report . Site Number . Year-Month . Report Name . pdf*

Project Site numbers will be proceeded by the following:

Municipal Brownfields - B
Superfund - HW
Spills - SP
ERP - E
VCP - V
BCP - C

PHASE I REPORT
ENGINEERING INVESTIGATIONS AND EVALUATIONS AT INACTIVE HAZARDOUS WASTE DISPOSAL SITES

Diversified Manufacturing, Inc.
Niagara County, NY

Prepared for:

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233
Henry G. Williams, Commissioner

Division of Solid and Hazardous Waste
Norman H. Nosenchuck, P.E., Director

ENGINEERING-SCIENCE
in association with
DAMES & MOORE

SEPTEMBER 1984

TABLE OF CONTENTS

SECTION I

EXECUTIVE SUMMARY

SECTION I

EXECUTIVE SUMMARY

Diversified Manufacturing, Inc.

OBJECTIVE

The purpose of this two phase program is to conduct engineering investigations and evaluations at inactive hazardous waste disposal sites in New York State in order to calculate a Hazard Ranking System (HRS) score for each site and estimate the cost of any recommended remedial action. During the initial portion of this investigation (Phase I) all available data and records combined with information collected from a site inspection were reviewed and evaluated to determine the adequacy of existing information for calculating an HRS score. On the basis of this evaluation, a Phase II Work Plan was prepared for collecting additional HRS data (if necessary), evaluating remedial alternatives and preparing a cost estimate for recommended remedial action. The results of the Phase I study for this site are summarized below and detailed in the body of the report.

SITE BACKGROUND

The Diversified Manufacturing site is located in Lockport, Niagara County, New York. The NYS site code is 932011. The site is owned by Diversified Manufacturing. The site is located in an industrial-residential area with private homes directly across from the site. Concern centers over the past practice of spreading waste solvents and oils on the parking lot for dust control. The practice was discontinued in 1977 after a NYSDEC inspection. To date there have been no samples taken at the site. At the present time there are no known health or environmental hazards.

ASSESSMENT

Insufficient information was available to complete a final HRS scoring. The preliminary HRS scoring was:

S_M	= 0.95	S_A	= 0.00
S_{GW}	= 0.00	S_{FE}	= 0.00
S_{SW}	= 1.64	S_{DC}	= 50.00

The final site score will most likely increase since insufficient data was available to complete the groundwater route. However, the score increase would not be significant due to the low target factors.

RECOMMENDATIONS

The following recommendations are made for the completion of Phase II:

- o groundwater monitoring system consisting of one up-gradient and two down-gradient wells
- o surface water montoring system consisting of three stations
- o air monitoring survey usiing an OVA meter

The estimated manhour requirements needed to complete Phase II are 312, while the estimated cost is $22,828.58.

SECTION II

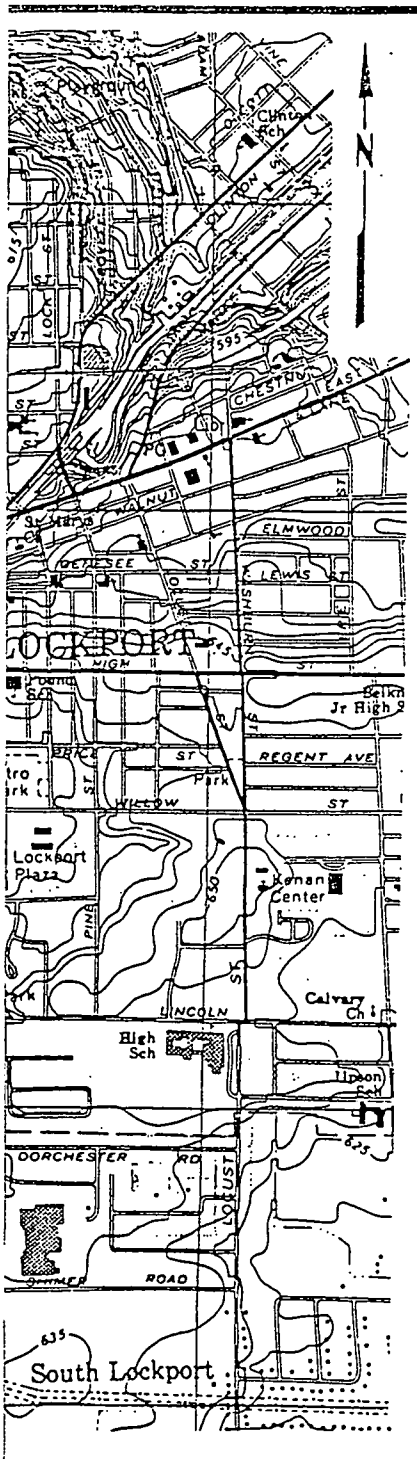
SITE DESCRIPTION

SECTION II

SITE DESCRIPTION

Diversified Manufacturing, Inc.

d Manufacturing site is located at 410 Ohio Street in
County, New York. The site is in an industrial-
An industrial park lies south of the site, while
are to the west. A number of private residences are
e of the site. The area of concern is the company
nt to the manufacturing plant. Waste oils and sol-
n the lot for dust control. The practice has since
Concern centers on the possible contamination of
ater.



LOCATION MAP
FIED MANUFACTURING

FIGURE 1

SECTION III

HRS SCORING

Name of Current Owner of Site: Diversified Manufacturing

Address of Current Owner of Site: Same

Time Period Site Was Used for Hazardous Waste Disposal:

Unknown , 19 To , 19

Is site Active [x] Inactive [ ]
(Site is inactive if hazardous wastes were disposed of at this site and site was closed prior to August 25, 1979)

Types of Samples: Air [ ] Groundwater [ ] None [x]
Surface Water [ ] Soil [ ]

Remedial Action: Proposed [ ] Under Design [ ]
In Progress [ ] Completed [ ]
Nature of Action:

Status of Legal Action: None State [ ] Federal [ ]

Permits Issued: Federal [ ] Local Government [ ] SPDES [ ]
Solid Waste [ ] Mined Land [ ] Wetlands [ ] Other [ ]

Assessment of Environmental Problems:

Unknown.

Assessment of Health Problems:

No apparent health hazard

Persons Completing this Form:

John Kubarewicz

New York State Department of Environmental Conservation

New York State Department of Health

Date August 24, 1983

6/3/81

HRS COVER SHEET

Facility name: Diversified Manufacturing, Inc.

Location: Lockport, NY

EPA Region: II

Person(s) in charge of the facility: Jim Calos

Plant Manager

Diversified Manufacturing

Name of Reviewer: John Kubarewicz/Eileen Gilligan Date: August 27, 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.)

Waste solvent (varsol) and oils were spread on the company parking lot for dust control. Practice was discontinued in 1980. No known health or environmental problems at this time.

Scores: $S_M = (\ldots)$ ($S_{gw} = 0.00$ $S_{sw} = 1.64$ $S_a = 0.00$)

$S_{FE} = 0.00$

$S_{DC} = 50.00$

GROUND WATER ROUTE WORK SHEET

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	3.1
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					3.2
Depth to Aquifer of Concern	[0] 1 2 3	2	[0]	6	
Net Precipitation	0 1 (2) 3	1	2	3	
Permeability of the Unsaturated Zone	[0] 1 2 3	1	[0]	3	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			0	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	12	18	
Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	[1]	8	
Total Waste Characteristics Score			13	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	10	40	
Total Targets Score			13	49	
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			0	57,330	
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} =	0		

SURFACE WATER ROUTE WORK SHEET

Surface Water Route Work Sheet

	Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Sectio
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	4	6	
	Physical State	0 1 2 (3)	1	3	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	12	18	
	Hazardous Waste Quantity	0 [1] 2 3 4 5 6 7 8	1	[1]	8	
	Total Waste Characteristics Score			13	26	
5	Targets					4.5
	Surface Water Use	0 (1) 2 3	3	3	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			3	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			10.53	64,350	
7	Divide line 6 by 64,350 and multiply by 100			S_{SW} = 1.64		

AIR ROUTE WORK SHEET

Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	[0]	45	1	[0]	45	5.1
Date and Location:						
Sampling Protocol:						
If line 1 is 0, the S_a = 0. Enter on line 5. If line 1 is 45, then proceed to line 2.						
2 Waste Characteristics						5.2
Reactivity and Incompatibility	0 1 2 3		1		3	
Toxicity	0 1 2 3		3		9	
Hazardous Waste 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 = [0]		

DIRECT CONTACT 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	15	15	8.3
4 Waste Characteristics Toxicity	0 1 2 (3)	5	15	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 (4) 5	4	16	20	
Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
Total Targets Score			16	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			10,800	21,600	
7 Divide line 6 by 21,600 and multiply by 100			SOC = 50		

Fire and Explosion Work Sheet

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

WORKSHEET FOR COMPUTING S_M

	S	S^2
Groundwater Route Score (S_{gw})	0.00	0.00
Surface Water Route Score (S_{sw})	1.64	2.69
Air Route Score (S_a)	0.00	0.00
$S_{gw}^2 + S_{sw}^2 + S_a^2$		2.69
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		1.64
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} \,/\, 1.73 = S_M =$		0.95

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: Diversified Manufacturing

LOCATION: Lockport, New York

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

Not applicable. No groundwater samples collected for chemical analyses.

Rationale for attributing the contaminants to the facility:

Not applicable.

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Unknown - 0

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

Unknown - 0

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

Unknown - 0

Net Precipitation

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

32 inches.
(USDOC Climatic Atlas of the US, 1979)

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

24 inches.
(USDOC Climatic Atlas of the US, 1979)

Net precipitation (subtract the above figures):

8 inches.

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Unknown - 0

Permeability associated with soil type:

Unknown - 0

Physical State

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

Liquid.
(NYSDEC, 1977)

* * *

CONTAINMENT

ntainment

thod(s) of waste or leachate containment evaluated:

Unlined lagoon.
(Waste oil poured on ground)

thod with highest score:

Unlined lagoon.

WASTE CHARACTERISTICS

xicity and Persistence

mpound(s) evaluated:

Waste lubricating oil	(SAX)	Petroleum Hydrocarbon
Waste hydraulic oil		Petroleum Spirits
Waste varsol		Lubricating Oils

mpound with highest score:

Petroleum-Kerosene
3,1 - 12

zardous Waste Quantity

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

160 gal/yr. (NYS Industrial Waste Survey, 1977)
18 drums max.

sis of estimating and/or computing waste quantity:

According to Quackenbush (1977) practice wasn't occurring at time of inspection in 1977.
Plant on site for 12 yrs. on since 1971-1977 = 6 yrs.
6 yrs (160 gal/yr) = 960 gal.

* * *

Is the facility completely surrounded by areas of higher elevation?

No.
(USGS Topographic Map: Lockport, NY Quadrangle)

1-Year 24-Hour Rainfall in Inches

2.1 in.
(USDOC Tech. Paper No. 40)

Distance to Nearest Downslope Surface Water

0.3 mi.
(USGS Topographic Map: Lockport, NY Quadrangle)

Physical State of Waste

Liquid.
(NYSDEC, 1977)

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Unlined lagoon.

Method with highest score:

Unlined lagoon.

Is there tidal influence?

No.
(USGS Topographic Map: Lockport, NY Quadrangle)

Distance to a Sensitive Environment

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

Not applicable. None within 2 miles.
(USGS Topographic Map: Lockport, NY Quadrangle)

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

0.72 mi.
(USGS Topographic Map: Lockport, NY Quadrangle)

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

Not applicable. None within 1 mile.
(NYSDEC Region 9 Dept. of Fish & Wildlife files)

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:

No water-supply intakes within 3 miles.

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

Not applicable. No land area irrigated by above-cited intakes.

Total population served:

Not applicable.

Name/description of nearest of above water bodies:

Erie Canal.
(USGS Topographic Map: Lockport, NY Quadrangle)

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

0.4 mi.
(USGS Topographic Map: Lockport, NY Quadrangle)

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

Not applicable. Air quality not monitored for contaminants.

Date and location of detection of contaminants

Not applicable.

Methods used to detect the contaminants:

Not applicable.

Rationale for attributing the contaminants to the site:

Not applicable.

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Not applicable.

Most incompatible pair of compounds:

Not applicable.

Toxicity

Most toxic compound:

Not applicable.

Hazardous Waste Quantity

Total quantity of hazardous waste:

Not applicable.

Basis of estimating and/or computing waste quantity:

Not applicable.

* * *

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

4940 people.
(USGS Topographic Map: Lockport, NY Quadrangle)

Distance to a Sensitive Environment

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

Not applicable. None within 2 miles.
(USGS Topographic Map: Lockport, NY Quadrangle)

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

0.72 mi.
(NYS Wetlands Map, ES/D&M site visit)

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

Not applicable. None within 1 mile.
(NYSDEC Region 9 Dept. of Fish & Games files)

Land Use

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

0.01 mi.
(ES/D&M site visit)

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

Not applicable. None within 2 miles.
(USGS Topographic Map: Lockport, NY Quadrangle)

Distance to residential area, if 2 miles or less:

0.1 mi.
(ES/D&M site visit)

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

Not applicable. None within 1 mile.
(ES/D&M site visit.

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

Not applicable. None within 2 miles.
(ES/D&M site visit)

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

No.
(ES/D&M site visit.

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: NYD002114742

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
DIVERSIFIED MFG.	410 OHIO STREET				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
LOCKPORT	NY	14094	NIAGARA	063	36

09 COORDINATES: 43° 09' 41.8" LATITUDE | 78° 42' 30.4" LONGITUDE

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

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
7 28 83 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	_____ BEGINNING YEAR _____ ENDING YEAR ✓ UNKNOWN

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

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
JOHN KUBAREWICZ	ENGINEER	ES	(703) 591-7575
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
EILEEN GILLIGAN	GEOLOGIST	D&M	(315) 638-2572
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
JIM CALUS	Plant Manager	Lockport, NY	(716) 434-5585
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☑ PERMISSION ☐ WARRANT	12:30	Clear and Sunny

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
JOHN KUBAREWICZ	ENGINEERING-SCIENCE	703 591-7575

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
KATHRYN GLADDEN		ES	703-591-7575	8 4 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
NYD002114742

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: unKnown
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		—	waste oils
(SOL)	SOLVENTS	160	gal/yr.	waste varsol
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
ICC	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)

Quacken Bush (1.12.77)
NYS Hazard Registry Form

EPA

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

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NYD002114742

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

No apparent damage

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

No apparent damage

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

NO EVIDENCE OF RECENT DUMPING

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

SITE INSPECTION

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NY 0002114742

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☑ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
UNKNOWN, BUT POTENTIAL FROM SPREADING OF OIL AND SOLVENTS

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

01 ☐ C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NO ODOR

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

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

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

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

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

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

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 000211474 3

II. PERMIT INFORMATION

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

III. SITE DESCRIPTION

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

04 TREATMENT (Check all that apply)
- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify) NONE

05 OTHER
- ☑ A. BUILDINGS ON SITE

06 AREA OF SITE
< 1 (Acres)

07 COMMENTS
WASTE OILS AND SOLVENTS WERE SPREAD ON THE PARKING LOT FOR DUST CONTROL. NO EVIDENCE OF RECENT SPREADING.

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.
NONE

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☑ YES ☐ NO
02 COMMENTS
NO FENCES OR RESTRICTIONS TO SITE

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

NYSDEC HAZARD REGISTRY
NYSDEC (1977)

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 | 02 SITE NUMBER
NY | 000211742

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

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

02 STATUS

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

03 DISTANCE TO SITE
A. 7.25 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

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

02 POPULATION SERVED BY GROUND WATER N/A

03 DISTANCE TO NEAREST DRINKING WATER WELL UNKNOWN (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
UNKNOWN (ft)	SOUTH	UNKNOWN (ft)	UNKNOWN (gpd)	☐ YES ☑ NO

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

AT DISTANCES GREATER THAN 2 MILES FROM SITE, THERE MAY BE SOME HOMEOWNER WELLS

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

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
ERIE CANAL	☐	0.3 (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. 4940 NO. OF PERSONS	B. 9,000 NO. OF PERSONS	C. 30,900 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION
0.1 (mi)

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

04 DISTANCE TO NEAREST OFF-SITE BUILDING
500 (mi)

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

SITE IS IN AN OLDER RESIDENTIAL 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 | 02 SITE NUMBER: NYD002114742

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

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

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-5} 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	
< 20 (ft)	ϕ (ft)	UNKNOWN	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
8 (in)	2.1 (in)	1.2 %	SE	1.2 %

09 FLOOD POTENTIAL: SITE IS IN 7500 YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. _____ (mi)	B. 72 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species): 72 (mi)

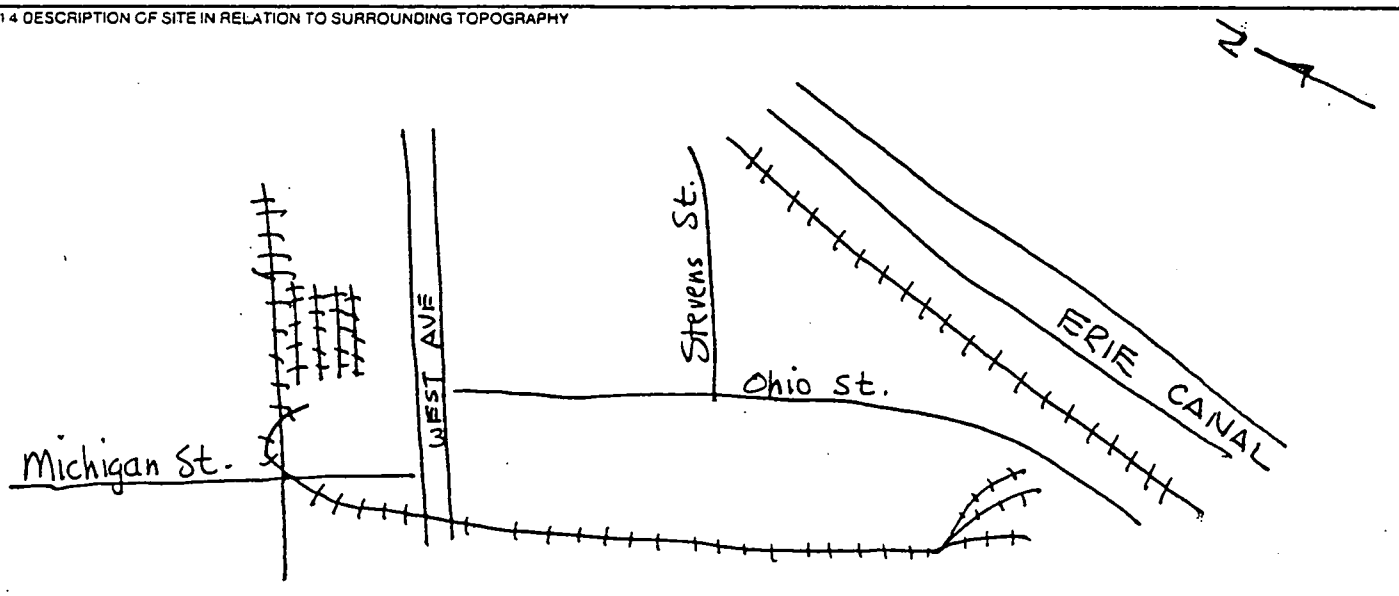
ENDANGERED SPECIES: GOLDEN EAGLE, PEREGRINE FALCON

13 LAND USE IN VICINITY

DISTANCE TO:

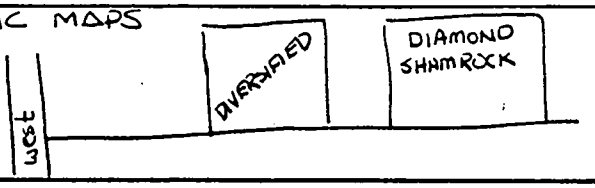
COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. ϕ (mi)	B. 0.1 (mi)	C. 72 (mi)	D. 72 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



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

USGS TOPOGRAPHIC MAPS



EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER: NY0002114742

II. SAMPLES TAKEN

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

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☐ AERIAL

02 IN CUSTODY OF _____ (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)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NY | D002114742

II. CURRENT OWNER(S)

01 NAME: DIVERSIFIED MFG.
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 410 OHIO ST.
04 SIC CODE:
05 CITY: LOCKPORT
06 STATE: NY
07 ZIP CODE: 14094

01 NAME: NIAGARA CO. INDUSTRIAL DEVELOPMENT AGCY.
02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 175 HAWLEY ST. - COURTHOUSE
04 SIC CODE:
05 CITY: LOCKPORT
06 STATE: NY
07 ZIP CODE: 14094

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:

PARENT COMPANY (If applicable)

08 NAME: MILWARD ALLOYS, INC.
09 D+B NUMBER:
10 STREET ADDRESS (P.O. Box, RFD #, etc.): 123 S. NEW YORK ST.
11 SIC CODE:
12 CITY: LOCKPORT
13 STATE: NY
14 ZIP CODE: 14094

08 NAME:
09 D+B NUMBER:
10 STREET ADDRESS (P.O. Box, RFD #, etc.):
11 SIC CODE:
12 CITY:
13 STATE:
14 ZIP CODE:

08 NAME:
09 D+B NUMBER:
10 STREET ADDRESS (P.O. Box, RFD #, etc.):
11 SIC CODE:
12 CITY:
13 STATE:
14 ZIP CODE:

08 NAME:
09 D+B NUMBER:
10 STREET ADDRESS (P.O. Box, RFD #, etc.):
11 SIC CODE:
12 CITY:
13 STATE:
14 ZIP CODE:

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

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

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:

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

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

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)

NYS TAX RECORDS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: D002114742

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
DIVERSIFIED MFG. INC.	

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

05 CITY	06 STATE	07 ZIP CODE
LOCKPORT	NY	14094

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

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

14 CITY	15 STATE	16 ZIP CODE

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

01 NAME	02 D+B NUMBER

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

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

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

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

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)

NYS TAX RECORDS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NYDEC	2114742

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
DIVERSIFIED MFG.	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
410 OHIO ST.	
05 CITY	06 STATE / 07 ZIP CODE
LOCKPORT	NY / 14094

III. OFF-SITE GENERATOR(S)

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

IV. TRANSPORTER(S)

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

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

NYSDEC (1977)

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
NYD002114742

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NONE

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NYD002114742

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

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

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

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

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

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

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

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

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

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

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

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

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: 9002114742

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
DIVERSIFIED MFG.	410 OHIO STREET				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
LOCKPORT	NY	14094	NIAGARA	063	36

09 COORDINATES: LATITUDE 43° 09' 47.8" | LONGITUDE 78° 42' 30.4"

10 DIRECTIONS TO SITE (Starting from nearest public road)
ON OHIO ST. ADJACENT TO THE DIAMOND SHAMROCK COMPANY

III. RESPONSIBLE PARTIES

01 ~~OWNER (If known)~~ OPERATOR	02 STREET (Business, mailing, residential)		
DIVERSIFIED MFG.	410 OHIO ST.		
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
LOCKPORT	NY	14094	( )
07 ~~OPERATOR~~ (If known and different from owner) OWNER	08 STREET (Business, mailing, residential)		
NIAGARA CO. INDUSTRIAL DEVE. AGENCY	175 HAWLEY ST. - COURTHOUSE		
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
LOCKPORT	NY	14094	(716)

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 7 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): ENGINEERING - SCIENCE

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

03 YEARS OF OPERATION
UNKNOWN (BEGINNING YEAR) | 1980 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
WASTE SOLVENTS (VARSOL) AND OIL WERE SPREAD ON THE COMPANY PARKING LOT FOR DUST CONTROL

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
UNKNOWN

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
JOHN KUBAREWICZ	ENGINEERING-SCIENCE		(703) 591-7575
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
KATHRYN GLADDEN		ES	(703) 591-7575	8 4 83 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE | 02 SITE NUMBER
NY D002114742

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☑ NO

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

NONE TAKEN

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

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NY D000211742

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 UNKNOWN
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			ESTIMATED 160 GAL/YR
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OLW	LUBRICATING & HYDRAULIC OIL	999			

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)

EPA FORM 2070-12 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NY D002114742

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

UNKNOWN BUT POTENTIAL FROM SPREADING OF OIL AND SOLVENTS

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

UNKNOWN

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

NO ODOR

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

EPA FORM 2070-12 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
NY D003114742

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

No Apparent DAMAGE

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

NO APPARENT DAMAGE

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

UNKNOWN

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

No evidence of recent dumping

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

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

Site Inspection

EPA FORM 2070-12 (7-81)

SECTION IV

SITE HISTORY

SECTION IV

SITE HISTORY

Diversified Manufacturing, Inc.

Diversified Manufacturing, Inc. of Lockport, New York, is a machine job shop. Among their products are machinery for producing veneer and plywood. Mr. David Quakenbush of the NYDEC visited the site in January 1977 and reviewed the plant's waste handling practices with Mr. David Meller, Chief Engineer for Diversified Manufacturing. At that time it was confirmed that waste oil and solvent was being dumped in the parking lot for dust control. A state contractor inspected the site in July 1983 and saw no evidence that this practice was still occurring.

SECTION V

SUMMARY OF AVAILABLE DATA

SECTION V

SUMMARY OF AVAILABLE DATA

Diversified Manufacturing

REGIONAL GEOLOGY AND HYDROLOGY

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

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

As glacial ice retreated from the region, meltwater formed lakes in front of the ice margin. This region is covered by lake sediments, the most recent being from Lake Iroquois (a larger predecessor to Lake Ontario) and from Lake Tonawanda (an elongate lake which occupied an east-west valley and drained north into Lake Iroquois). The sediments consist of blanket sands and beach ridges which are occasionally underlain by lacustrine silts and clays (indicating quiet or deeper water deposition).

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

SITE GEOLOGY

No subsuface investigations have been perfomed on the site. This summary is based on NYS Museum and Science Service Bedrock Map, NYS Museum and Science Service Quaternary Geology Map, USGS Topographic Map, and NYS Geology Association (1982).

Bedrock at the site consists of the Lockport Dolomite bedrock and is located at an undetermined depth below the ground surface. The rock surface is probably overlain by a dense silty till, which may, in turn, be overlain by a thin discontinuos layer of alluvial sand. The site "parking-lot-gravel" is located on top of these naturally occuring soils.

SITE HYDROLOGY

No groundwater investigations have been performed on the site. This summary of site hydrology is based on our estimates of site geology. A shallow aquifer may exist in the lower part of the site soils, with flow directions paralleling the ground surface (flow to the south). The low permeability of the site till would result in low flow rates in this aquifer, as well as create a barrier between the soil aquifer and the deeper aquifer in the underlying bedrock. Groundwater flow within the joints of the bedrock is probably directed north, discharging along the cliff-like Lockport escarpment.

SAMPLING AND ANALYSIS

To date no samples have been taken at the Diversified Manufacturing, Inc. site. According to a NYSDEC inspection report (NYSDEC, 1978), waste oils and solvents were spread on the parking lot to control dust.

SECTION VI

ASSESSMENT OF ADEQUACY OF DATA

SECTION VI

ASSESSMENT OF ADEQUACY OF DATA

Diversified Manufacturing Inc.

HRS Data Requirement	Comments on Data
Observed Release	
Ground Water	No available data, field data collection recommended.
Surface Water	No available data, field data collection recommended.
Air	No available data, field data collection recommended.
Route Characteristics	
Ground Water	Insufficient information, more data collection recommended.
Surface Water	Data available, adequate for HRS evaluation.
Air	Data available, adequate for HRS evaluation.
Containment	Information available, adequate for HRS evaluation.
Waste Characteristics	Information available, adequate for HRS evaluation.
Targets	Information available, adequate for HRS evaluation.
Observed Incident	Information available revealed no report of incident. No further investigation recommended.
Accessibility	Adequate information available.

SECTION VII

PHASE II WORK PLAN

SECTION VII

PHASE II WORK PLAN

Diversified Manufacturing

OBJECTIVES

The objectives of the Phase II activities are:

- To collect additional field data necessary to complete the HRS scoring.
- To perform a conceptual evaluation of remedial alternatives and estimate budgetary costs for the most likely alternative.
- To prepare a site investigation report.

The additional field data required to complete the HRS are defined as follows:

Ground Water - A ground water monitoring system consisting of 3 wells is recommended. The wells are to be 20 feet in depth and constructed of 2" PVC pipe. The samples will be analyzed for metals and a GC/MS scan.

Surface Water - A surface water monitoring system consisting of 3 monitoring stations is recommended. The samples will be analyzed for metals and a GC/MS scan.

Air - An air monitoring survey with an OVA meter is recommended to test the air quality above the site.

TASK DESCRIPTION

The proposed Phase II tasks are described in Table VII-1.

COST ESTIMATE

The estimated manhours required for the Phase II project are presented in Table VII-2 and the estimated project costs by tasks are presented in Table VII-3.

HEALTH AND SAFETY PLAN

The Health and Safety Plan will be submitted as a separate document.

QUALITY ASSURANCE PLAN

The Quality Assurance Plan will be submitted as a separate document.

TABLE VII-1
PHASE II WORK PLAN - TASK DESCRIPTION
Diversified Manufacturing

Tasks	Description of Task
TASK	
II-A Update Work Plan	Review the information in the Phase I report, conduct a site visit, and revise the Phase II work plan.
II-B Conduct Geophysical studies	No further studies necessary.
II-C Conduct Boring/Install Monitoring Wells	Install 1 up-gradient and 2 down-gradient wells. The wells are to be 20 feet in depth and constructed of 2" PVC pipe.
II-D Construct Test Pits/ Auger Holes	No further construction of test pits/auger holes necessary.
II-E Perform Sampling and Analysis	
Soil samples from borings	No further sampling necessary.
Soil samples from surface soils	No further sampling necessary.
Soil samples from test pits and auger holes	No further sampling necessary.
Sediment samples from surface water	No further sampling necessary.
Ground-water samples	Analyze samples for metals and conduct a GC/MS scan.
Surface water samples	Analyze samples for metals and conduct a GC/MS scan.
Air samples	Using the OVA, determine the presence of organics.
Waste samples	No further sampling necessary.
II-F Calculate Final HRS	Based on the field data collected in Tasks IIB-IIE, complete the HRS form.
II-G Conduct Site Assessment	Prepare final report containing Phase I report, additional field data, final HRS and HRS documentation records, and site assessments. The site assessment will consist of a conceptual evaluation of alternatives and a preliminary cost estimate of the most probable alternative.
II-H Project Management	Project coordination, administration and reporting.

TABLE VII-2
PERSONNEL RESOURCES BY TASK
PHASE II HRS SITE INVESTIGATION (SITE: DIVERSIFIED MANUFACTURING)

TASK DESCRIPTION	TEAM MEMBERS, MANHOURS												TOTAL HOURS	TOTAL $
	PIC	TKB	PM	DPM	PCM	DAM	HSM	FTL	FT	RAAL	RAAT	SS		
II-A UPDATE WORK PLAN	1		4	1		1	1	6		6		8	28	469
II-B CONDUCT GEOPHYSICAL STUDIES													0	0
II-C CONDUCT BORING/INSTALL MONITORING WELLS			2	1		1	4	8	24	2		6	48	611.47
II-D CONSTRUCT TEST PITS/AUGER HOLES													0	0
II-E PERFORM SAMPLING AND ANALYSIS														
SOIL SAMPLES FROM BORINGS													0	0
SOIL SAMPLES FROM SURFACE SOILS													0	0
SOIL SAMPLES FROM TEST PITS AND AUGER HOLES													0	0
SEDIMENT SAMPLES FROM SURFCE WATER													0	0
GROUND-WATER SAMPLES			2	1		1	2	4	16	2		10	38	455.41
SURFACE WATER SAMPLES			1					2	12			2	17	191.18
AIR SAMPLES			1					1	8			2	12	133.66
WASTE SAMPLES													0	0
II-F CALCULATE FINAL HRS			3	3				3	24			16	49	563.23
II-G CONDUCT SITE ASSESSMENT	1	2	4	2				4	16	6	24	32	91	1103.84
II-H PROJECT MANAGEMENT	2		6	2	3	4	4					8	29	500.2
TOTALS	4	2	23	10	3	7	11	28	100	16	24	84	312	4027.99

TABLE VII-3
COST ESTIMATE BREAKDOWN BY TASK
PHASE II HRS SITE INVESTIGATION (SITE: DIVERSIFIED MANUFACTURING)

TASK DESCRIPTION	DIRECT LABOR HOURS	DIRECT LABOR COST	OTHER DIRECT COSTS (ODC), $ LAB ANALYSIS	TRAVEL AND SUBSISTANCE	SUPPLIES	EQUIP. CHARGES	SUBCON-TRACTORS	MISC.	SUBTOTAL ODC	TOTAL ($)
II-A UPDATE WORK PLAN	28	469		100	50	50		25	225	694
II-B CONDUCT GEOPHYSICAL STUDIES									0	0
II-C CONDUCT BORING/INSTALL MONITORING WELLS	48	611.47		255	300	75	3600		4230	4841.47
II-D CONSTRUCT TEST PITS/AUGER HOLES									0	0
II-E PERFORM SAMPLING AND ANALYSIS										
SOIL SAMPLES FROM BORINGS									0	0
SOIL SAMPLES FROM SURFACE SOILS									0	0
SOIL SAMPLES FROM TEST PITS AND AUGER HOLES									0	0
SEDIMENT SAMPLES FROM SURFACE WATER									0	0
GROUND-WATER SAMPLES	38	455.41	2667	85	100	75		25	2952	3407.41
SURFACE WATER SAMPLES	17	191.18	2667	85	50	15		15	2832	3023.18
AIR SAMPLES	12	133.66		85	25	15		5	130	263.66
WASTE SAMPLES									0	0
II-F CALCULATE FINAL HRS	49	563.23			50	50		25	125	688.23
II-G CONDUCT SITE ASSESSMENT	91	1103.84			100	200		75	375	1478.84
II-H PROJECT MANAGEMENT	29	500.2		150	150	50		50	400	900.2
TOTALS	312	4027.99	5334	760	825	530	3600	220	11269	15296.99

OVERHEAD=	5840.58
SUBTOTAL=	21137.57
FEE=	1691.00
TOTAL PROJECT COST=	22828.58

APPENDIX A

BIBLIOGRAPHY

APPENDIX A

BIBLIOGRAPHY

Diversified Manufacturing, Inc.

New York State Geological Association (1982). Geology of the Northern Appalachian Basin Western New York, Guidebook for the 54th Annual Meeting.

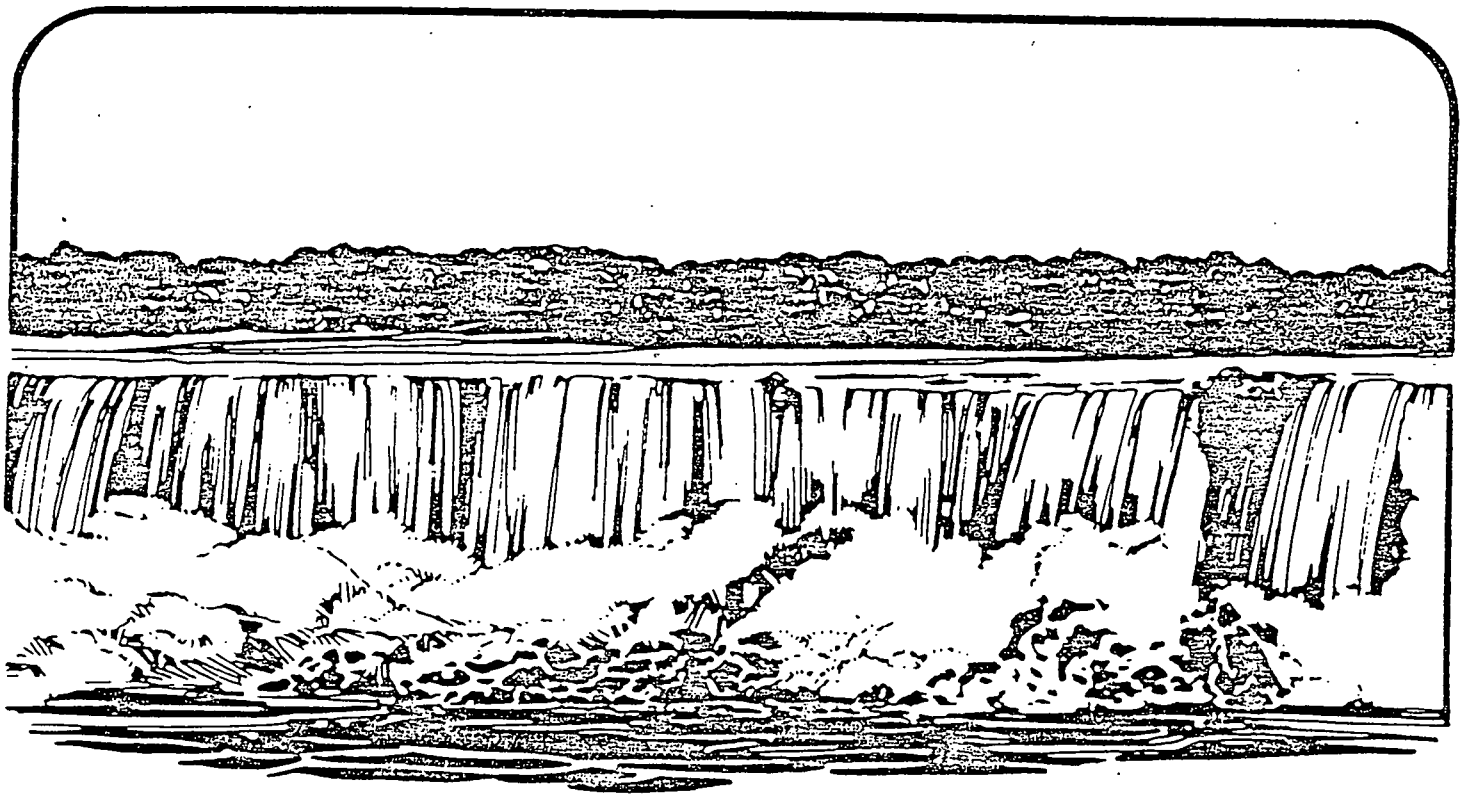
New York State Museum and Science Service (1970). Geologic Map of New York, Niagara Sheet, Map and Chart Series No. 15.

NYSDEC (1977) Division of Solid Waste. NYS Industrial Waste Survey. March 28, 1978.

Quackenbush (1977). Memo from Donald Quackenbush NYSDEC to David Mellor of Diversified Manufacturing. January 20, 1977.

United States Geological Survey, Topographic Maps. 7.5 Minute Series.

GEOLOGY OF THE NORTHERN APPALACHIAN BASIN WESTERN NEW YORK

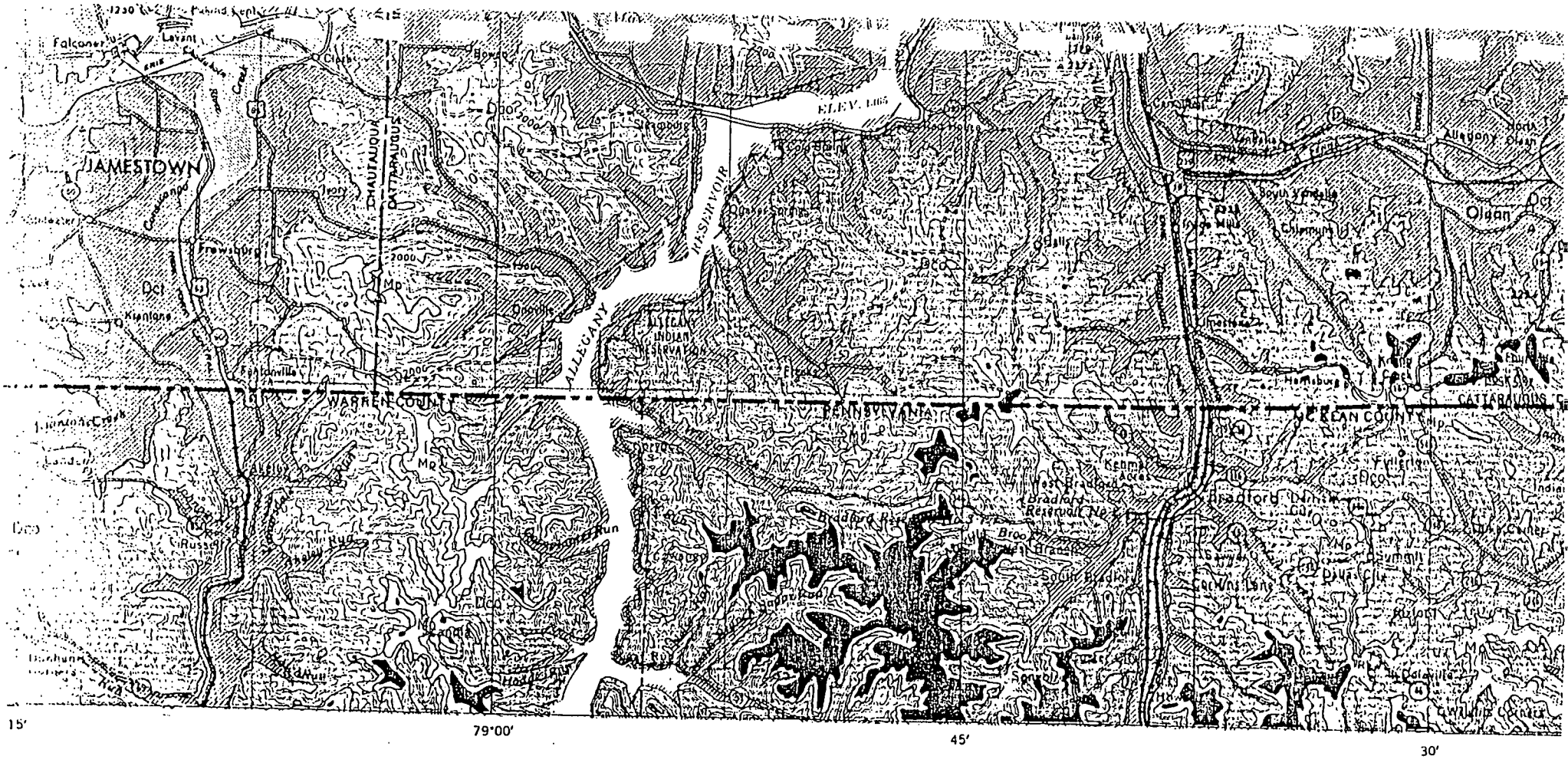


Field Trips Guidebook for New York State Geological Association 54th Annual Meeting

October 8 — 10, 1982
Amherst, New York

Department of Geological Sciences
State University of New York
at Buffalo
Edward J. Buehler and Parker E. Calkin
Editors

In Conjunction With
11th Annual Meetings Eastern Section
American Association of
Petroleum Geologists



GEOLOGIC MAP OF NEW YORK

1970

Niagara Sheet

Scale 1:250,000

5 0 5 10 15 Statute Miles 20

5 0 5 10 15 20 25 Kilometers 30

CONTOUR INTERVAL 100 FEET

APPENDIX B

NYS REGISTRY FORM

(12)

NIAGARA COUNTY HEALTH DEPARTMENT

MEMORANDUM

DATE: July 13, 1981

TO: Mr. J. Tygert

FROM: M.N. Vaughan

SUBJECT: ACTIVE IN PLACE TOXIC & STATUS REPORT

Attached please find the field reports concerning the status of sites visited by Mr. Hopkins.

SITES	STATUS
Diversified Manufacturing 410 Ohio Lockport, NY (Reg.# 932011)	No burial at this site
Frontier Foundries, Inc. 4870 Packard Road Niagara Falls, NY (Reg.# 932015)	Active
Roblin Steel 101 East Avenue North Tonawanda, NY (Reg.# 932059)	Active limited

NIAGARA COUNTY
DEPARTMENT OF HEALTH

Code Activity .....
Code Location .....
Service Request No. .....
Date Received Complaint .....

Service Request Determine status of Diversified Manufacturing disposal area
Originator of Complaint NCHD via DEC Address —
Owner Diversified Manufacturing, Inc Address 410 Ohio Street, Lockport NY
Occupant " Address "

Date	Hours	REPORT OF INVESTIGATION
7/7/81	3:00	In response to the request of the Buffalo Office, DEC, this writer visited the site listed as Diversified Manufacturing, #932011 located at 410 Ohio Street in Lockport. According to Hazardous Waste Disposal Sites in NY State, this no board has occured, rather waste oil was spread over parking lots for dust control. Interviews with company personell, including the plant manager indicate that the practice was stopped 1 to 2 years ago. No evidence of oil was found on ground in the parking lot It is the opinion of this writer that this site should be reclassified as inactive W. Hopkins

Date Abated ..... By .....

584 Delaware Avenue, Buffalo, New York, 14202

Robert F. Flacke

November 7, 1979

Mr. Jim Calas, Plant Manager
Diversified Mfg.
410 Ohio Street
Lockport, NY 14094

Re: Cutting Oil used for Dust Control

Dear Mr. Calas:

On September 12, 1979, Mr. Kehoe from the Niagara County Health Department and a representative from this office visited your plant. The purpose of which was to make a follow-up investigation to the Interagency Task Force Report.

During this inspection, it was confirmed that you use approximately 300 gal/yr cutting oil for dust control on your parking lot.

The 17 N.Y.C.R.R. Part 161 (Statutory Authority: Highway Law 10-6) states; "oil, whether it is used or unused, shall not be used for dust control. Oil shall mean motor oil and shall not include emulsified or cutback asphalt when used in what is commonly referred to as "oil and stone" treatment."

Please note that any waste oil must be taken to an approved disposal or reclamation site by an approved hauler licensed by this Department.

If you have any questions regarding this matter, please contact me at (716) 842-5041.

Very truly yours,

JLB

John L. Beecher
Associate Chemical Engineer

PD:sk

cc: Niagara County Health Dept.
Paul Counterman

INACTIVE INDUSTRIAL WASTE DISPOSAL OR STORAGE SITE

Site Diversified Mfg. Inc.

Location 410 Ohio St. Lockport N.Y. 14094
(Include a location on a topo map/or copy thereof)

When Site Was Used (No site available) According to the company's President

Size of Site (acres)

Distance to Nearest Dwelling (feet)

Distance to Nearest Watercourse (feet)

Type of Soil

Proximity to wetlands

Depth to Groundwater

Any Identified or Potential Problems

Materials In Site

Material	Quantity	Container Type, if any	Generator (Name & Address)

Any Other Pertinent Information

Name of Person Providing Information Jack Tillotson Phone 434-5585

8/9/78

47-15-1(5/78)

1 Trans. Type
1 ☐ Delete
2 ☐ Add
3 ☐ Change

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE MANAGEMENT
FACILITY INSPECTION

2 Facility No. 7

Facility Name: DIVERSIFIED MFG. CO.

Location (Town, etc.): 410 OHIO ST LOCKPORT N.Y.

Persons Interviewed & Titles: JACK TILLOTSON - PRESIDENT

10 Date 15	16 Time 21	22 Inspector 36	37	38 Remarks 72
052976		[illegible]		

Instructions: At each question, use a soft pencil to blacken either the YES or NO box.

		(BAD) YES	(GOOD) NO	
I. LEACHATE				
1.	Is leachate visible on, or near the site?	22		
2.	Is leachate entering surface water?	23		
*3.	Is leachate known to be contravening groundwater standards?	24		22
4.	Is refuse being placed into water?	25		
II. BURNING				
*5.	Is refuse burning without permit, or not under permit conditions?	26		24
6.	Is there evidence of unapproved previous burning?	27		
III. COVER				
7.	Is previous day's refuse not covered?	28		
8.	Is refuse protruding through daily, intermediate or final cover?	29		
9.	Is intermediate or final cover not in place, or improperly applied?	30		26
10.	Is wrong cover material used?	31		
IV. GRADING				
11.	Are there depressions, ponding, cracked cover, too steep slopes?	32		
12.	On completed areas, is the vegetative cover missing or inadequate?	33		28
13.	Are there soil erosion or other drainage problems?	34		
V. SEPARATION DISTANCES				
14.	Is refuse closer than 50 feet to site boundaries?	35		
*15.	Is refuse known to be less than 5 feet above groundwater?	36		30
*16.	Is refuse known to be less than __ feet from surface water?	37		
VI. NUISANCE CONDITIONS				
17.	Are odors detectable off-site?	38		
18.	Is blowing dust or dirt excessive or a nuisance?	39		
19.	Are papers uncontrolled, or blowing off-site?	40		
*20.	Is methane gas known to be leaving the site?	41		32
21.	Is noise excessive off-site?	42		
VII. OPERATION CONTROL				
*22.	Are Operation Permit conditions being violated?	43		
23.	Is refuse being deposited in a too large area?	44		
24.	Is refuse spread in layers thicker than 2 feet?	45		
25.	Is refuse being compacted poorly?	46		
26.	Is the working face height greater than 10 feet?	47		
27.	Is the working face steeper than a 3 to 1 slope?	48		34
28.	Is the equipment on site not adequate for proper operation?	49		
VIII. SAFETY AND HEALTH				
29.	Are scavengers present?	50		
30.	Is salvaging uncontrolled or creating a nuisance?	51		
31.	Are rodents and insects not controlled?	52		36
32.	Do unsafe conditions or equipment exist?	53		
IX. ACCESS CONTROL				
33.	Is access to the site improperly or inadequately controlled?	54		
34.	Is the site open without an attendant?	55		
35.	Is information about the site not posted? (hours of operation, etc.)	56		38
36.	Is access to the operating area poor or unsafe?	57		

*NOTE: For these questions, see the "Background Information Sheet" for this facility.

Site Sketch/Comments

ACCORDING TO JACK TILLOTSON, NO ON OR OFF SITE DISPOSAL AREAS HAVE BEEN OPERATED BY DIVERSIFIED MFG. CO.

Appointment Made 1/12/77 by DMcG. Company Name Diversified Mfg. Inc
Site or Phone Visit 1/20/77 by DMcG. 9:30 AM Address 410 Ohio St.
Follow-up / / by Lockport, N.Y. 14094
Form Completed 1/20/77 by DMcG County Niagara Phone 434-5515
Comments: 2 SFORM COMP. 3/28/78 SIC Codes 1. 3599 3. 3553
Fabricating & General Machining 2. 4.
Jim Kolis - call him again PM.

Mr. Mellor will be in week of 13th

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

(41)

General Information

1. Company Name Diversified Manufacturing Inc

Mailing Address 410 Ohio St (Street) Lockport (City) NY (State) 14094 (Zip)

Plant Location [X] Same as above

(Street) (City) (State) (Zip)

2. If Subsidiary, Name of Parent Company

3. Individual Responsible for Plant Operations Jim Calos (Name)

Plant Manager (Title) 434-5515 (Phone)

4. Individual Providing Information Mr. David Mellor (Name)

Chief Engineer (Title) 434-5515 (Phone)

5. Department of Environmental Conservation Interviewer David Plummer

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

Group Name	SIC Code (4 Digit)	Approximate % of [X] Production / / Value Added
a. Machinery except electrical	3599	90
b. Not elsewhere classified		
c. Woodworking Machinery	3553	10
d.		

7. Processes Used at Plant
a. Machining
b. Welding -- Torch Cutting
c. Sand Blasting
d. Painting
e. Assembly

8. Products
a. Veneer & Plywood Machinery 10%
b. Job Shop - Machine 10%
c.
d.
e.

9. Chemicals used in manufacturing or produced as products:

a. H₂O Soluble Coolants
b. Hydraulic & Lubricating Oil
c. Varsol - Maintenance Dept.
d. Steels and Cast Irons, Stainless St.
e. Cu, Al, Ni
f.
g.
h.
i.
j.

9. a. On Site Waste Water Treatment [ ] Yes [X] No

b. On Site Waste Water Treatment by July 1977 [ ] Yes [X] No

c. On Site Waste Water Treatment by July 1983 [ ] Yes [X] No

d. Industrial Sewer Discharge [X] Yes [ ] No Name of Sewage Treatment Plant Lockport City Sewer

e. SPDES No. ______ NPDES No. ______ No.

1. a. Air Pollution Control Devices [ ] Yes [ ] No Types Internal Electrostatic Precips., Dust collector from sand blasting

b. To Be Built [ ] Yes [X] No by / /

c. Air 100 Emission Point Registration Numbers None

. a. Number of manufacturing employees 114 b. Manufacturing Floor Space 85,000 sq.ft.

. Attach a plat or sketch of the facility showing the location of on-site process waste storage (if available).

. Attach flow diagrams of chemical processes including waste flow outputs (if available). No.

. In-house waste treatment capabilities: None

. Is there a currently used or abandoned landfill, dump or lagoon on plant property? [ ] Yes [X] No *

. Industrial wastes produced or expected to be produced by plant.

1) Waste Hydraulic & Lubricating Oil
2) Scrap Metals - Kugler Bros Lockport (Ferrous Metals)
3) - Highest Bidder Around - [illegible] (Cu, Al)
4) Paint Sludge - Skimmings from H₂O wash spray & Plastic liners
5) Solvent Waste Varsol - 60 Gal/yr Dumped out back [illegible]
6)
7)
8)

. Comments: Mr. Miller took me on plant tour asked if I had any recommendations. I suggested he collect Varsol wastes in drums and have it hauled away. I did not suggest he stop using waste oil on parking lot.

* Parking lot was filled in with construction material and earth

To. Mr Wescott (1/12/77)

From. Mr. Quackenbush

Re. Hazardous Waste Survey

Thank you for your cooperation and hospitality when I visited your facility last week. Your waste handling ~~procedure~~ of Varsol & waste oil was discussed with ~~my~~ ~~my~~ project leader and he informed me that I am in no position at this time to dictate any procedures you are to follow ~~at this~~ ~~in handling~~ ~~passed~~ in disposing of these wastes, especially since were talking about ~~large~~ small quantities. The EPA will promulgate guidelines for hazardous waste management in the near future however.

Sincerely

F. Quackenbush

II. Waste Characterization and Management Practice

(Use separate form for each waste stream)

1. Waste Stream No. 1 (from Form I, Number 17)

2. Description of process producing waste Machine Maintenance

3. Brief characterization of waste Dirty Oil

4. Time period for which data are representative Current to

5. a. Annual waste production 100 [ ] tons/yr. [X] gal./yr.

b. Daily waste production [ ] tons/day [ ] gal./day

c. Frequency of waste production: [ ] seasonal [X] occasional [ ] continual

[ ] other (specify)

6. Waste Composition

a. Average percent solids since % b. pH range to

c. Physical state: [X] liquid, [ ] slurry, [ ] sludge, [ ] solid,

[ ] other (specify)

d. Component	Average Concentration	[ ] wet weight [ ] dry weight
1. Lubricating Oil	90	[X] wt.% [ ] ppm
2. Hydraulic Oil	10	[X] wt.% [ ] ppm
3.		[ ] wt.% [ ] ppm
4.		[ ] wt.% [ ] ppm
5.		[ ] wt.% [ ] ppm
6.		[ ] wt.% [ ] ppm
7.		[ ] wt.% [ ] ppm
8.		[ ] wt.% [ ] ppm
9.		[ ] wt.% [ ] ppm
10.		[ ] wt.% [ ] ppm

e. Analysis of compositi is /_/theoretical /_/laborato /X/estimate
(attach copy of laboratory analysis if available)

f. Projected /_/increase, /_/decrease in volume from base year: _____% by July 1977;

_____% by July 1983. No

g. Hazardous properties of waste: /X/flammable /_/toxic /_/reactive /_/explosive

/_/corrosive /_/other (specify) _____

7. On Site Storage

a. Method: /X/drum, /_/roll-off container, /_/tank, /_/lagoon, /_/other (specify) _____

b. Typical length of time waste stored _____ /_/days, /_/weeks, /X/months

c. Typical volume of waste stored 100 /_/tons, /X/gallons

d. Is storage site diked? /_/Yes /X/No

e. Surface drainage collection /_/Yes /X/No

8. Transportation

a. Waste hauled off site by /_/you /_/others

b. Name of waste hauler _____

Address _____
Street City

_____ ( )
State Zip Code Phone

9. Treatment and Disposal

a. Treatment or disposal: /X/on site /_/off site

b. Waste is /_/reclaimed /_/treated /_/land disposed /_/incinerated

/X/other (specify) Deposited on Driveway for Dust Control

c. Off site facility receiving waste

Name of Facility _____

Facility Operator _____

Facility Location _____
Street City

_____ ( )
State Zip Code Phone

Code Activity .....
Code Location .....
Service Request No. .....
Date Received Complaint .....

NIAGARA COUNTY
DEPARTMENT OF HEALTH

Service Request Survey for Potential Landfill Sites

Originator of Complaint DEC Address 584 Delaware Ave, Buffalo N.Y.

Owner Diversified Mfg Inc. Address 410 Ohio St, Lockport N.Y. 140

Occupant " Address " " "

Date	Hours	REPORT OF INVESTIGATION
8/29/78		Met with the President of Diversified Mfg. Inc., Mr Jack Tillotson. Mr. Tillotson informed me of the company's operation & waste solvent is generated & sold to Russan Foundry Corp. Other waste produced consists mainly of non-toxic materials such as paper, wood etc. This is put in dumpsters & then hauled to a disposal site. Mr. Tillotson further stated that to his knowledge, the Diversified Mfg Inc has never dumped any toxic & potentially hazardous materials into a landfill site. Also the company does not follow a dumping program at this time. Con Nowakowski

Date Abated ..... By .....

RECEIVED

MAY 03 1993

N.Y.S. DEPT. OF
ENVIRONMENTAL CONSERVATION
REGION 9