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

.report .HW.932030 - 1983-12 . PRELIMINARY INVESTIGATION .pdf

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

_____ . _____ - ___ . _____ .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

[redacted]

ECOLOGICAL ANALYSTS, INC.

EA Report DEC31A

PRELIMINARY INVESTIGATION OF THE NOURY CHEMICAL SITE BURT, NIAGARA COUNTY, NEW YORK

PHASE I. SUMMARY REPORT

Prepared for

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

Prepared by

Ecological Analysts, Inc.
R.D. 2, Goshen Turnpike
Middletown, New York 10940

December 1983

CONTENTS

EXECUTIVE SUMMARY

The Noury Chemical site (New York ID No. 932030A,B, EPA ID No. NYD043815158 and NYD980507263) is an industrial landfill on the property of the Noury Chemical Company, Burt, Niagara County, New York. Wastes generated by Noury have been buried in trenches on the property at various times from 1955 to 1978. Types of wastes landfilled in two areas onsite include: 350 tons of benzoic acid sludge, undetermined amounts of benzoyl peroxide sludge, oxylite wastes, phosphoric salts, dicalcium phosphate sludge, peroxide salts, MEKP, TMCH, phthalates, calcium carbonate, waste paper and cardboard, plastics, glass, woodstarch contaminated with peroxide, pastes, keetox, and sewage sludge. During 1978, Noury Chemical dredged the area around the plant's former sewer outfall at 18-Mile Creek and landfilled the sediments in two trenches inside their property. Noury reports that a third trench, also located in the area, does not contain any waste material. These trenches are approximately 25 x 100 feet in size. A portion of the landfilled sediments which contain benzoyl peroxide have been excavated from the trenches and stored in 55-gallon drums on the property. Some of these drums have been removed by SCA for secure landfilling.

One well on the site itself has been routinely sampled and analyzed for COD. From 1980 to 1982, values ranged from 2.0 to 18 mg/l. No other analytical data are known to exist. One storm sewer on the north side of the site has been routinely sampled and analyzed for COD. From 1980 to 1982, values ranged from 1.6 to 1,111.0 mg/l. A trace amount of unidentified chlorinated organic compound was detected in soil samples taken from the site, but this amount was at the detection limit of the analysis.

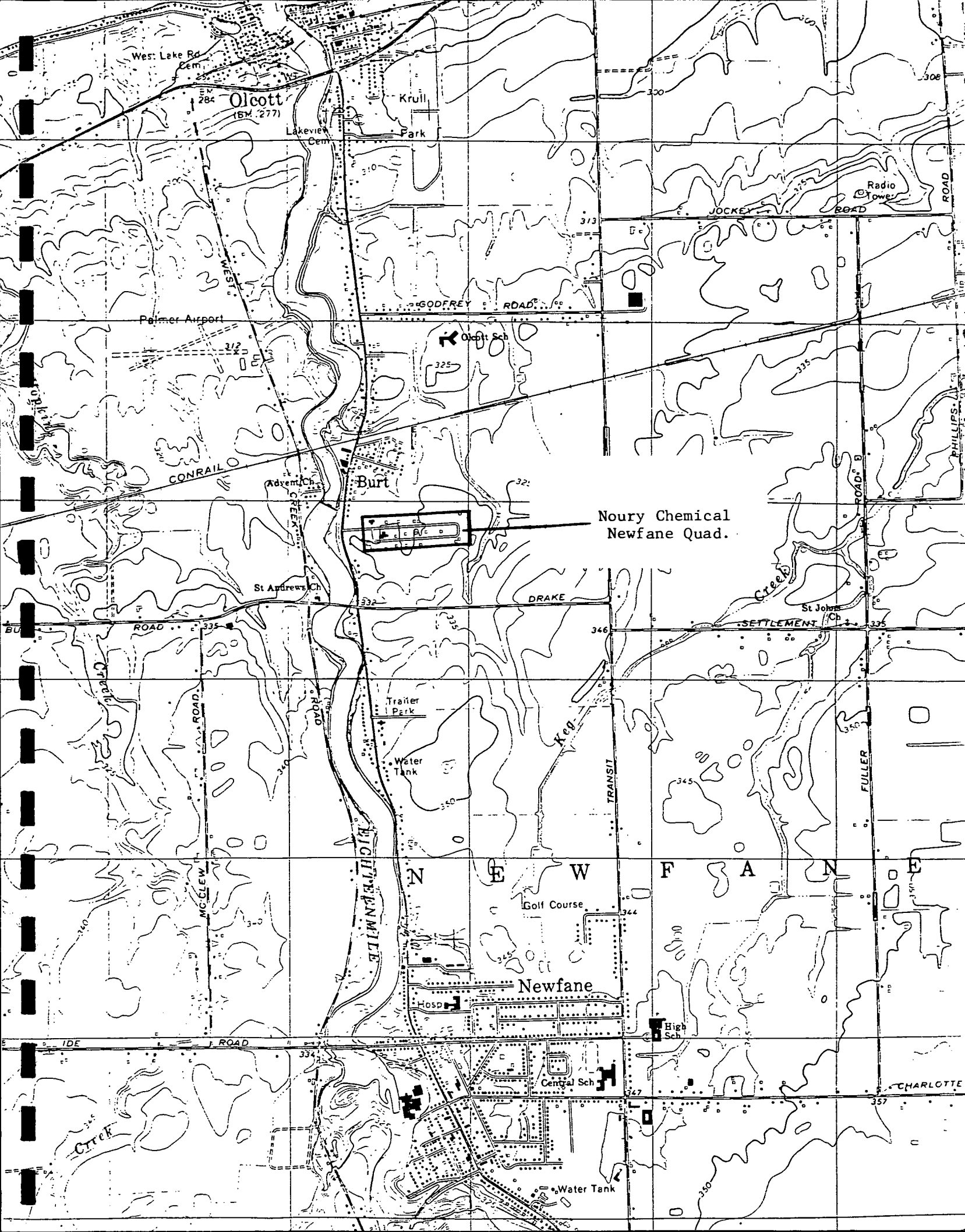
The preliminary HRS scores for the Noury Chemical site are as follows: Migration Score (S_M) = 8.70; Direct Contact Score (S_{DC}) = 0. The available data are not considered to be sufficient to establish evidence of release of hazardous substances from the site to ground water, surface water, or air. The preliminary HRS is very low due to the absence of analytical data on landfilled waste consitituents in ground water and surface water. Further sampling and

analyses are needed to determine a final HRS and the extent of contaminant migration, if any. If ground water and surface water contamination were confirmed, the maximum migration score which could be expected would be $S_{(M)}$ = 10.12.

The recommended Phase 2 program includes OVA/Draeger survey, multi-depth EM surveys of known disposal areas, expanding outward for plume definition, followed by resistivity confirmation. Locations and depths of test borings and observation wells will then be selected. Priority pollutant analyses of surface and groundwater are recommended. Estimated cost of this program would be $24,000.

NOURY CHEMICAL CORPORATION SITE

The Noury Chemical site (New York ID No. 932030A,B, EPA ID No. NYD043815158 and NYD980507263) is an industrial landfill on the property of the Noury Chemical Company, Burt, Niagara County, New York. Wastes generated by Noury have been buried in trenches on the property at various times from 1955 to 1978. Types of wastes landfilled in two areas onsite include: 350 tons of benzoic acid sludge, undetermined amounts of benzoyl peroxide sludge, oxylite wastes, phosphoric salts, dicalcium phosphate sludge, peroxide salts, MEKP, TMCH, phthalates, calcium carbonate, waste paper and cardboard, plastics, glass, woodstarch contaminated with peroxide, pastes, keetox, and sewage sludge. During 1978, Noury Chemical dredged the area around the plant's former sewer outfall at 18-Mile Creek and landfilled the sediments in two trenches inside their property. Noury reports that a third trench, also located in the area, does not contain any waste material. These trenches are approximately 25 x 100 feet in size. A portion of the landfilled sediments which contain benzoyl peroxide have been excavated from the trenches and stored in 55-gallon drums on the property. Some of these drums have been removed by SCA for secure landfilling.


West Lake Rd Cem
Olcott
(BM 277)
Krull Park
Lakeview Cem
Radio Tower
JOCKEY ROAD
GODFREY ROAD
WEST
Palmer Airport
Olcott Sch
CONRAIL
Advent Ch
Burt
Noury Chemical
Newfane Quad.
St Andrews Ch
DRAKE
SETTLEMENT
St Johns Ch
PHILLIPS
ROAD D
Trailer Park
Water Tank
TRANSIT
FULLER
MC CLEW
N E W F A N E
Golf Course
Newfane
Hosp
High Sch
Central Sch
CHARLOTTE
IDE ROAD
Water Tank

federal register

Friday
July 16, 1982

Noury Chemical

Part V

Environmental Protection Agency

National Oil and Hazardous Substances Contingency Plan

Facility name: Noury Chemical Corp

Location: Burt, N.Y.

EPA Region: II

Person(s) in charge of the facility: Noury Chemical Corp.

Name of Reviewer: Ecological Analysts Date: 6 June 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.)

Industrial Landfill 1955 - 1978

Scores: $S_M = 8.70$ ($S_{gw} = 14.29$ $S_{sw} = 4.72$ $S_a = 0$)

$S_{FE} = 0$

$S_{DC} = 0$

FIGURE 1
HRS COVER SHEET

BILLING CODE 6560-50-C

Max S(m) = 10.12

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	6	6	
Net Precipitation	0 1 (2) 3		1	2	3	
Permeability of the Unsaturated Zone	0 1 (2) 3		1	2	3	
Physical State	0 1 2 (3)		1	3	3	
Total Route Characteristics Score				13	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	9	18	
Hazardous Waste Quantity	0 1 2 3 4 (5) 6 7 8		1	5	8	
Total Waste Characteristics Score				14	26	
5 Targets						3.5
Ground Water Use	0 1 2 (3)		3	9	9	
Distance to Nearest Well/Population Served	0 4 (6) 8 10 / 12 16 18 20 / 24 30 32 35 40		1	6	40	
Total Targets Score				15	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				8190	57,330	
7 Divide line 6 by 57,330 and multiply by 100			S_{gw} =	14,29		

Potential Score

45

14

15

9450

Max $S_{(gw)}$ = 16.49

FIGURE 2
GROUND WATER ROUTE WORK SHEET

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					4.2
Facility Slope and Intervening Terrain	0 (1) 2 3	1	1	3	
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			12	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	9	18	
Hazardous Waste Quantity	0 1 2 3 4 (5) 6 7 8	1	5	8	
Total Waste Characteristics Score			14	26	
5 Targets					4.5
Surface Water Use	0 1 (2) 3	3	6	9	
Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
Total Targets Score			6	55	
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			30.24	64,350	
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} =	4.70		

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

Potential Score
45

1

14

6

3780

MUY $S_{(SW)}$ = 5.87

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multiplier	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			

FIGURE 9
AIR ROUTE WORK SHEET

BILLING CODE 6560-50-C

four-mile radius as well as transients such as workers in factories, offices, restaurants, motels, or students. It excludes travelers passing through the area. If aerial photography is used in making the count, assume 3.6 individuals per dwelling unit. Select the highest value for this rating factor as follows:

DISTANCE TO POPULATION FROM HAZARDOUS SUBSTANCE

Population	0–4 miles	0–1 mile	0–½ mile	0–¼ mile
0	0	0	0	0
1 to 100	9	12	15	18
101 to 1,000	12	15	18	21
1,001 to 3,000	15	18	21	24
3,001 to 10,000	18	21	24	27
More than 10,000	21	24	27	30

Distance to sensitive environment is an indicator of the likelihood that a region that contains important biological resources or that is a fragile natural setting would suffer serious damage if hazardous substances were to be released from the facility. Assign a value from Table 10.

Land use indicates the nature and level of human activity in the vicinity of a facility. Assign highest applicable value from Table 13.

6.0 Computing the Migration Hazard Mode Score, S_M

To compute S_M, complete the work sheet (Figure 10) using the values of S_{gw}, S_{sw} and S_a obtained from the previous sections.

7.0 Fire and Explosion

Compute a score for the fire and explosion hazard mode, S_{FE}, when either a state or local fire marshall has certified that the facility presents a significant fire or explosion threat to the public or to sensitive environments or there is a demonstrated fire and explosion threat based on field observations (e.g., combustible gas indicator readings). Document the threat.

7.1 Containment. Containment is an indicator of the measures that have been taken to minimize or prevent hazardous substances at the facility from catching fire or exploding. Normally it will be given a value of 3 on the work sheet (Figure 11). If no hazardous substances that are individually ignitable or explosive are present and those that may be hazardous in combination are segregated and isolated so that they cannot come together to form incompatible mixtures, assign this factor a value of 1.

7.2 Waste Characteristics. Direct evidence of ignitability or explosion potential may exist in the form of measurements with appropriate instruments. If so, assign this factor a value of 3; if not, assign a value of 0.

TABLE 13.—VALUES FOR LAND USE (AIR ROUTE)

Assigned value—	0	1	2	3
Distance to Commercial-Industrial	>1 mile	½ to 1 mile	¼ to ½ mile	<¼ mile.
Distance to National/State Parks, Forests, Wildlife Reserves, and Residential Areas.	>2 miles	1 to 2 miles	½ to 1 mile	<¼ mile.
Distance to Agricultural Lands (in Production within 5 years):				
Ag land	>1 mile	½ to 1 mile	¼ to ½ mile	<½ mile.
Prime Ag Land [1]	>2 miles	1 to 2 miles	½ to 1 mile	<½ mile.
Distance to Historic/Landmark Sites (National Register of Historic Places and National Natural Landmarks).				Within view of site or if site is subject to significant impacts.

[1] Defined in the Code of Federal Regulations, 7 CFR 657.5, 1981.

	S	S^2	
Groundwater Route Score (S_{gw})	14.29	204.20	271.92
Surface Water Route Score (S_{sw})	4.70	22.09	34.46
Air Route Score (S_a)	0	0	
$S_{gw}^2 + S_{sw}^2 + S_a^2$		226.29	306.38
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		15.04	17.50
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		8.70	

FIGURE 10
WORKSHEET FOR COMPUTING S_M

Max S(m) = 10.12

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	(0)	3	8.2
3 Containment	(0) 15	1	(0)	15	8.3
4 Waste Characteristics Toxicity	0 1 (2) 3	5	10	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 4 5	4		20	
Distance to a Critical Habitat	0 1 2 3	4		12	
Total Targets Score				32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			(0)	21,600	
7 Divide line 6 by 21,600 and multiply by 100	S_{DC} = (0)				

FIGURE 12
DIRECT CONTACT WORK SHEET

BILLING CODE 6560-50-C

EA Communications
Print Shop

June 28, 1982

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: Noury Chemical Site

LOCATION: Burt, N.Y.

GROUND WATER ROUTE

1 OBSERVED RELEASE None observed

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

Ordovician Queenston Formation (Section 7.2)

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

5 ft. (Section 7.2)

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

approximately 8 ft.

Net Precipitation

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

35 INCHES

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

26 INCHES

Net precipitation (subtract the above figures):

9 INCHES

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

silt sand gravel (Section 7.2)

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):

SLUDGE
SOLIDS
LIQUID

(Attachments 6-1 thru 6-5)

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

LINER EVALUATED

FINDINGS : NO LINER

Method with highest score:

Liner

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated: methyl ethyl ketone peroxide
benzoyl peroxide

Compound with highest score:

methyl ethyl ketone peroxide (3,0)

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):

350 TONS (See section 6)

Basis of estimating and/or computing waste quantity:

D.E.C FILE (See section 6)

* * *

5 TARGETS

Ground Water Use

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

DRINKING WATER

Distance to Nearest Well

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

NORTH OF SITE

POSSIBLY 1 TO 2 MILES BASED ON TOPOGRAPHIC MAP

Distance to above well or building:

1 TO 2 MILES

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:

1 - 100 (TENTATIVE)

→ SEE BELOW

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):

N/A

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

1 TO 100 (TENTATIVE APPROXIMATION)

DOWNGRADIENT COMMUNITIES OF BURT AND OLCOTT PURCHASE THEIR WATER FROM NIAGARA COUNTY WATER DISTRICT, WHICH DRAWS FROM LAKE ERIE. HOWEVER, SOME RESIDENTS MAY BE ON WELLS.

(NYS DOH Atlas of Community Water Supply Sources, 1982)

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

methyl ethyl ketone peroxide
benzoyl peroxide

Compound with highest score:

methyl ethyl ketone peroxide (3,0)

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):

350 TONS SLUDGE

Basis of estimating and/or computing waste quantity:

INFORMATION FROM NOURY CHEMICAL CORP. (Section 6)
DEC file

* * *

5 TARGETS

Surface Water Use

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

RECREATION

SURFACE WATER ROUTE

1 OBSERVED RELEASE None observed

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

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:

Eighteen Mile Creek

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

< 5%

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

ND

Is the facility completely surrounded by areas of higher elevation?

NO

1-Year 24-Hour Rainfall in Inches

2.0 INCHES

Distance to Nearest Downslope Surface Water

1/4 MILE - EIGHTEEN MILE CREEK

Physical State of Waste

SLUDGE
SOLID
LIQUID

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Sound diversion system

Method with highest score:

NO Sound diversion system

Is there tidal influence?

NO

Distance to a Sensitive Environment

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

NONE

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

NONE

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

NONE

Population Served by Surface Water

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

NONE

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

N/A

Total population served:

ZERO (0)

Name/description of nearest of above water bodies:

NONE

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

NONE

AIR ROUTE

1 OBSERVED RELEASE None observed

Contaminants detected:

No 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

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

Distance to a Sensitive Environment

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

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

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

Land Use

Distance to commercial/industrial area, if 1 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:

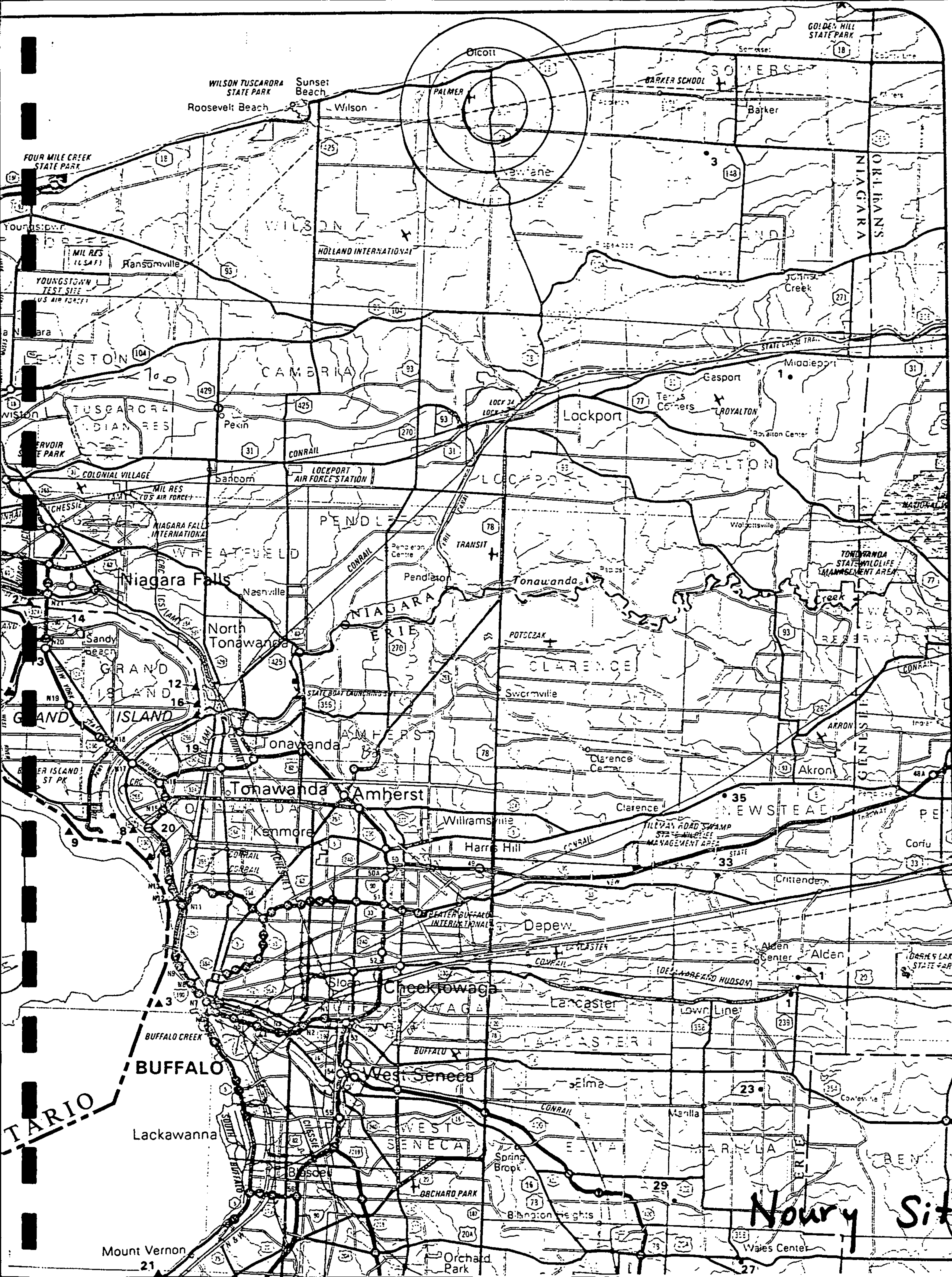
Distance to agricultural land in production within past 5 years, if 1 mile or less:

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?

LOCATION OF COMMUNITY WATER SYSTEM SOURCES-1982

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



Olcott
WILSON TUSCARORA STATE PARK
Sunset Beach
Roosevelt Beach
Wilson
GOLDEN HILL STATE PARK
BARKER SCHOOL
Barker
FOUR MILE CREEK STATE PARK
HOLLAND INTERNATIONAL
Ransomville
YOUNGSTOWN TEST SITE
Johnson Creek
Middleport
Gasport
Lockport
ROYALTON
CAMBRIA
Pekin
CONRAIL
LOCKPORT AIR FORCE STATION
Sanborn
COLONIAL VILLAGE
NIAGARA FALLS INTERNATIONAL
PENDLETON
TRANSIT
Pendleton
Tonawanda
TONAWANDA STATE WILDLIFE MANAGEMENT AREA
Niagara Falls
Nashville
North Tonawanda
Sandy Beach
GRAND ISLAND
POTOCZAK
CLARENCE
Swormville
STATE BOAT LAUNCHING SITE
AMHERST
Clarence Center
Akron
Tonawanda
Amherst
Clarence
NEWSTEAD
Williamsville
Kenmore
Harris Hill
TILLMAN ROAD SWAMP STATE WILDLIFE MANAGEMENT AREA
Corfu
Crittenden
GREATER BUFFALO INTERNATIONAL
Depew
Alden Center
Alden
DELAWARE AND HUDSON
Sloan
Cheektowaga
Lancaster
Town Line
BUFFALO CREEK
LANCASTER
BUFFALO
West Seneca
Elma
Cowlesville
TARIO
Lackawanna
WEST SENECA
Marilla
Spring Brook
ELMA
ORCHARD PARK
Billington Heights
Mount Vernon
Orchard Park
Wales Center
Noury Site

United States
Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

EPA Form 2070-12
July, 1981

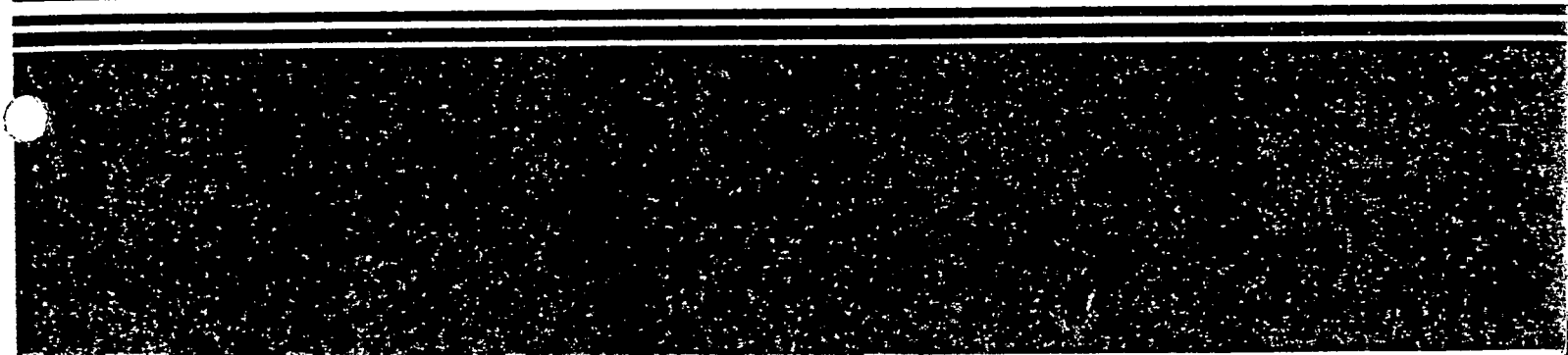
3,1

Noury

EPA

Potential Hazardous Waste Site

Preliminary Assessment



Preliminary Assessment

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

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043813158 and 980507263

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Noury Chemical Corporation	2153 Lockport-Olcott Rd				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Burt	NY	14028	Niagara		
09 COORDINATES LATITUDE	LONGITUDE				
___ ___ ___.___	___ ___ ___.___				

10 DIRECTIONS TO SITE (Starting from nearest public road)
Off Rt. 78 near Transit Rd., Town of Newfane

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)		
Noury Chemical Corporation	2153 Lockport-Olcott Rd.		
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**
Burt	NY	14028	716 778-8554
07 OPERATOR (If known and different from owner)	**08 STREET** (Business, mailing, residential)		
09 CITY	**10 STATE**	**11 ZIP CODE**	**12 TELEPHONE NUMBER**
			( )

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

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES ☐ NO DATE 5 12 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): _____

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

03 YEARS OF OPERATION 1955 (BEGINNING YEAR) 1978 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Benzoic acid sludge
Benzol peroxide sludge
oxylite wastes
phosphoric salts
Dicalcium phosphate sludge
calcium carbonate
mekp
phthalates

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
potential ground water contamination

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
Raymond Kapp	Ecological Analysts Inc.		1914 692-6706
04 PERSON RESPONSIBLE FOR ASSESSMENT	**05 AGENCY**	**06 ORGANIZATION**	**07 TELEPHONE NUMBER**	**08 DATE**
Charles Houlik		Ecological Analysts	1914 692-6706	6 1 83 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507263

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

- TONS: 350
- CUBIC YARDS:
- NO. OF DRUMS: 18

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	350	TONS	Benzoic acid sludge
OLW	~~OILY WASTE~~			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			MEKP, TBA, peroxide salts, oxylite
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

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

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

D.E.C. FILES

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507263

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100
04 NARRATIVE DESCRIPTION
No data

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION
No data

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
No data

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
None reported

01 ☐ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
None reported

01 ☐ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: _____ (Acres)
04 NARRATIVE DESCRIPTION
No data

01 ☒ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100
04 NARRATIVE DESCRIPTION
No data

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
Not evaluated

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____
04 NARRATIVE DESCRIPTION
Not evaluated

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507263

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 ☒ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No data

01 ☒ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION *(Include name(s) of species)*
No data

01 ☒ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No data

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES *(Spills/runoff/standing liquids/leaking drums)* — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
None reported

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: 1-100

IV. COMMENTS

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

NYSDEC, Nourse Chemical Company site Inspection, Topo Maps

EPA FORM 2070-12 (7-81)

United States
Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

EPA Form 2070-13
July, 1981

5.2

Noury

EPA

Potential Hazardous Waste Site

Site Inspection Report

Site Inspection Report

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

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507263

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Noury Chemical Corporation	2153 Lockport-Olcott Rd

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Burt	NY	14028	Niagara		

09 COORDINATES LATITUDE	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
5 12 83 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1955 (BEGINNING YEAR) 1978 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☒ F. STATE CONTRACTOR Ecological Analysts (EAI) (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Charles Houlik	Hydrogeologist	EAI	(914) 692-6706
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
William Going	Scientist	EAI	(914) 692-6706
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Jack McVaugh	Noury	Chemical Co.	( )
Richard McIntosh	Noury	Chemical Co	( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	10:00 A.M.	Partly cloudy, cool

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Raymond Kapp	Ecological Analysts	(914) 692-6706

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Charles Houlik		Ecological Analysts	914-692-6706	6 1 83 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507263

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

- TONS: 350
- 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	350	TONS	Benzoic acid sludge
OLW	~~OILY WASTE~~			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			MEKP, TBA, peroxide salts, oxylite
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

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

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

D.E.C. FILE

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
NYD	04381515 8
	980507263

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 — 04 NARRATIVE DESCRIPTION

No data on landfill contaminants

01 ☐ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: NONE — 04 NARRATIVE DESCRIPTION

No data on landfill contaminants

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

No data

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

None reported

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

None reported

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

No data

01 ☒ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 — 04 NARRATIVE DESCRIPTION

No data

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

Not evaluated

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

Not evaluated

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158
	980507263

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No data

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)
No data

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No data

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
None reported

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None reported

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~100

IV. COMMENTS

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

NYSDEC / Nowy Chemical Co. / Topo. Map

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
NYD	043815158
	980507263

II. PERMIT INFORMATION

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

III. SITE DESCRIPTION

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

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)

05 OTHER

- ☐ A. BUILDINGS ON SITE

06 AREA OF SITE

100 (Acres)

07 COMMENTS

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.

Wastes buried in unlined trenches

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

INDUSTRIAL SITE - NO PUBLIC ACCESS

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

DEC Files
Site Inspection

EPA FORM 2070-13 (7-81)

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

I. IDENTIFICATION

01 STATE: NYD | 02 SITE NUMBER: 043815158
NYD 980509263

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

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

02 STATUS: UNKNOWN

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

03 DISTANCE TO SITE: ASSUMED
A. _____ (mi)
B. 1-2 (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: 1-100 Assumed
03 DISTANCE TO NEAREST DRINKING WATER WELL: ASSUMED 1-2 (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
5 (ft)	West + North	_____ (ft)	_____ (gpd)	☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)
DOWNGRADIENT COMMUNITIES OF BURT AND OLCOTT PURCHASE THEIR WATER FROM NIAGARA COUNTY WATER DISTRICT, WHICH DRAWS FROM LAKE ERIE. SOME RESIDENTS HOWEVER, ESTIMATED TO BE ON WELL WATER

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
EIGHTEEN MILE RIVER (POTENTIAL)	☐	1/4 (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. ~ 1000* NO. OF PERSONS	B. _____ NO. OF PERSONS	C. _____ NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 1/4 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
_____	1/4 (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)

SMALL VILLAGE OF BURT LOCATED ~ 1/2 MILE FROM SITE
approximately 1000

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158
	980507263

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)*

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

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
5 (ft)	unknown (ft)		

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
9 (in)	2.0 (in)	<5 %	north	<5 %

09 FLOOD POTENTIAL

SITE IS IN _____ YEAR FLOODPLAIN

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

11 DISTANCE TO WETLANDS *(5 acre minimum)*

ESTUARINE: A. _____ (mi)

OTHER: B. _____ (mi)

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

NONE KNOWN _____ (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. 1/4 (mi)	B. 1/4 (mi)	C. _____ (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

GENTLY SLOPING, OPEN SITE WITH HEALTHY LAWN. SURROUNDING AREA IS RESIDENTIAL, AGRICULTURAL AND NATURAL FIELD.

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

E.A.I - INSPECTION

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. SAMPLES TAKEN

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

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF Ecological Analysts INC.
(Name of organization or individual)

03 MAPS
☒ YES
☐ NO

04 LOCATION OF MAPS
Topographic

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507263

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
NOURY CHEMICAL	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
2153 LOCKPORT - OLCOTT RD.	

05 CITY	06 STATE	07 ZIP CODE
BURT	NY	14028

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

PARENT COMPANY (If applicable)

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

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)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NYD	043815158 and 980507 2613

II. CURRENT OPERATOR *(Provide if different from owner)*

01 NAME	02 D+B NUMBER
NOURY CHEMICAL CORP.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
2153 LOCKPORT - OLCOTT RD.	

05 CITY	06 STATE	07 ZIP CODE
BURT	NY	14028

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)*

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
NYD	043815158
	980507263

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Noury Chemical Corp.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
2153 Lockport-Olcott Rd	

05 CITY	06 STATE	07 ZIP CODE
Burt	NY	14028

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)*

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

II. PAST RESPONSE ACTIVITIES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

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

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☐ NO

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

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

EPA FORM 2070-13 (7-81)

5.3 SITE INSPECTION SUMMARY

On 12 May 1983, representatives of Ecological Analysts, Inc. (EA) visited the Noury Chemical Corporation in Burt, New York. The scientists representing EA were C. W. Houlik and B. Going. They met Mr. Jack McVaugh and Mr. Richard McIntosh, who led an inspection of the site.

Noury Chemical Corporation's site is flat and open. Many (20) small buildings are spaced apart from one another (for safety purposes in the manufacturing and storage of flammable chemicals) out in the center of the property. There are several above-ground chemical storage tanks and EA was told there were 3 underground fuel oil storage tanks. There is a small "fire pond" on the site. The site is drained to the north and west by several swales which cross the property. Pictures were taken of several aspects of the site layout. Blueprints of the site layout were provided by Noury Chemical Corporation (Attachment 7.1-1). Also provided were drillers logs, as there had been several borings made onsite during plant expansion.

The area at the back of the property, where trenches of hazardous materials were buried by Noury, was examined. This area, too, is flat, and the vegetation cover is a thick (healthy) lawn. This location is marked in Attachmen 7.1-1 (marked 5-6, 5-7, 5-8). Another portion of the site where wastes had been buried was examined. Near building #14, the land is flat and covered with grass. This location is also indicated in Attachment 7.1-1 (marked 5-1 through 5-8). The wastes which were supposedly buried on this site at these locations include phosphorus acid sludge, contaminated tert. butyl alcohol, sulfuric acid, benzoic acid solids, methyl ethyl ketone peroxide, benzoyl peroxide contaminated cornstarch, and benzoyl peroxide sludge (that had been dredged from Eighteen Mile Creek).

Surrounding land was agricultural, residential, and natural. The nearest residences are 500-1,500 feet to the west and northwest.

Supposedly, NUS Corporation had visited this site recently on behalf of EPA to conduct a FIT survey. It is not known if data or reports are forthcoming.

EA Communications
Print Shop

6. SITE HISTORY

The Noury Chemical dumpsite is an industrial landfill on the property of the Noury Chemical Company, Burt, Niagara County, New York. Wastes have been buried in trenches on the property at various times from 1955 to 1978 (Attachments 6-1 through 6-5). The types of chemicals used or produced at Noury are listed in Attachment 6-6, page 8, and Attachments 6-7 and 6-8. Types of wastes disposed of in trenches onsite include: 350 tons of benzoic acid sludge, undetermined amounts of benzoyl peroxide sludge, oxylite wastes, phosphoric salts, dicalcium phosphate sludge, peroxide salts, MEKP, TMCH, phthalates, calcium carbonate, waste paper and cardboard, plastics, glass, woodstarch contaminated with peroxide, pastes, keetox, and sewage sludge (Attachments 6-1 through 6-5). During 1978, Noury Chemical dredged the area around the plant's former sewer outfall at 18-Mile Creek and landfilled the sediments in two trenches inside their property. Noury Chemical reports that a third trench, also located in the area, does not contain any waste material. Trenches are approximately 25 x 100 feet in size (Attachments 6-3 and 6-7). A portion of the landfilled sediments which contain benzoyl peroxide have been excavated from the trenches and stored in 55-gallon drums on the property. Some of these drums have been removed by SCA for secure landfilling (Attachments 6-9 and 6-10).

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Attachment 6-1 page 1 of 5

Code: C

Site Code: 932030 a & b

Name of Site: Noury Chemicals Region: 9

County: Niagara Town/City Burt

Street Address: Rt. 78, Burt, N.Y.

Status of Site Narrative:

Waste sludges containing benzoic acid, oxylite wastes, phosphoric salts, and peroxide salts from sites 1 and 2 have been excavated and stored in about 1200 55-gallon drums on the property. The drums rest on a clay floor.

Type of Site: Open Dump ☐ Treatment Pond(s) ☐ Number of Ponds ____
Landfill ☒ Lagoon(s) ☐ Number of Lagoons ____
Structure ☐

Estimated Size ____ Acres

Hazardous Wastes Disposed? Confirmed ☒ Suspected ☐

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
benzoic acid sludge	350 tons total
oxylite wastes	
phosphoric salts	
peroxide salts	
MeKP, TBA, phthalates, CaCO3	

*Use additional sheets if more space is needed.

Name of Current Owner of Site: Noury Chemical

Address of Current Owner of Site: _____

205

Time Period Site Was Used for Hazardous Waste Disposal:

_____, 19 55 To _____, 19 75

Is site Active ☐ 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 ☐
Surface Water ☐ Soil ☒

Remedial Action: Proposed ☐ Under Design ☐
In Progress ☐ Completed ☐
Nature of Action:

Status of Legal Action: _____ State ☐ Federal ☐

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

Assessment of Environmental Problems:

Although little potential for significant environmental damage exists here, the drums should be removed to an approved landfill.

Assessment of Health Problems:

Potential health hazard until the drums are removed.

Persons Completing this Form:

G. D. Knowles

New York State Department of Environmental Conservation

Date April 16, 1980

Ronald Tramontano

New York State Department of Heal

Date April 16, 1980

1/18/80
GDK:cl

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Code: E
Site Code: 932010
Name of Site: Lockport City Landfill Region: 9
County: Niagara Town/City Lockport
Street Address: Oakhurst Road

Status of Site Narrative:

This is a closed site with most wastes covered and seeded. There are some wastes apparently dumped after closure by private citizens. ✓Organic peroxides from Noury Chemical and possible metal sludge from Harrison Radiator were dumped here. Lockport Felt also used site.

Type of Site: Open Dump ☐ Treatment Pond(s) ☐ Number of Ponds ____
Landfill ☒ Lagoon(s) ☐ Number of Lagoons ____
Structure ☐

Estimated Size 3 Acres

Hazardous Wastes Disposed? Confirmed ☒ Suspected ☐

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
Cardboard, waste paper	Unknown
steel barrels, plastics, glass,	
woodstarch contaminated with peroxide	
paste and keetox and oxylite waste,	
sewage sludge	

*Use additional sheets if more space is needed.

47-15-11(2/80)

Name of Current Owner of Site: City of Lockport
Address of Current Owner of Site: _____

Time Period Site Was Used for Hazardous Waste Disposal:

? , 19 To , 1976

Is site Active ☐ 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 ☒
Surface Water ☐ Soil ☐

Remedial Action: Proposed ☐ Under Design ☐
In Progress ☐ Completed ☐
Nature of Action:

Status of Legal Action: _____ State ☐ Federal ☐

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

Assessment of Environmental Problems:

Site should be monitored for possible groundwater contamination by metal sludges and other industrial waste believed to be disposed of at this site.

Assessment of Health Problems:

Unknown.

Persons Completing this Form:

G. D. Knowles
New York State Department of Environmental Conservation
Date April 16, 1980

Ronald Tramontano
New York State Department of Health
Date April 16, 1980

1/18/80
GDK:el

47-15-11(2/80)

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Code: E
Site Code: 932030 C
Name of Site: Noury Chemical Region: 9
County: Niagara Town/City Burt, N.Y.
Street Address: Rt. 78

Status of Site Narrative:

Noury Chemical dredged 18 mile creek and landfilled the dredged material containing benzoic acid sludge, benzoyl peroxide sludge, dicalcium phosphate sludge, was buried on site with DEC permission.

Type of Site: Open Dump ☐ Treatment Pond(s) ☐ Number of Ponds
Landfill ☒ Lagoon(s) ☐ Number of Lagoons
Structure ☐

Estimated Size Acres

Hazardous Wastes Disposed? Confirmed ☒ Suspected ☐

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
Benzoyl peroxide sludge	
dicalcium phosphate sludges	
benzoic acid sludges	

*Use additional sheets if more space is needed.

Attachment 6-2 page 1 of 7

77

INACTIVE INDUSTRIAL WASTE DISPOSAL OR STORAGE SITE

Site Noury Chemical

Location Burt
(Include a location on a topo map or copy thereof)

When Site Was Used 1977

Size of Site (~~acres~~) 10' X 10'

Distance to Nearest Dwelling (~~feet~~) 1800

Distance to Nearest Watercourse (~~feet~~) 2000

Type of Soil clay

Proximity to wetlands 2000 - 18 mile creek

Depth to Groundwater 5 ft.

Any Identified or Potential Problems No

Materials In Site

Material	Quantity	Container Type, if any	Generator (Name & Address)
phosphorous acid	18 drums → 55 gal.	deposited in 1978 during strike	Noury
1973 ↓ 74 { flour bleach residues	?	fiber drums	Noury

Any Other Pertinent Information Due to strike
Confidential

Name of Person Providing Information Mr. Lintz Phone 778-8554

8/9/78

SUPPLEMENTAL LANDFILL INSPECTION FORM

Name of Facility: Nonny

Active Site _____ or Inactive Site ✓

Describe any odors emanating from site: None

Describe leachate appearance: None

Any evidence of past leachate: No

Estimated distance and direction to nearest well: 360'

Location of site (may use USGS Quad Map): _____

Recommendations for follow-up action:

a. Leachate sampling _____

b. Subsurface evaluations _____

Additional comments or recommendations:

INACTIVE INDUSTRIAL WASTE DISPOSAL OR STORAGE SITE

Site Noury Chem. Inactive

Location Burt
(Include a location on a topo map or copy thereof)

When Site Was Used prior to 1969

Size of Site (acres) less than 1 acre

Distance to Nearest Dwelling (feet) 1200

Distance to Nearest Watercourse (feet) 1400 18 mile Crk.

Type of Soil clay

Proximity to wetlands 1400 - 18 mile Crk.

Depth to Groundwater 5 ft.

Any Identified or Potential Problems No

Materials In Site

Material	Quantity	Container Type, if any	Generator (Name & Address)
phosphorous acid sludge	?	None	Noury Chem.

Any Other Pertinent Information Confidential

Name of Person Providing Information Mr. Edwin Linke Phone 778-8559

8/9/78

SUPPLEMENTAL LANDFILL INSPECTION FORM

Name of Facility: Noury Chem Inactive sites

Active Site _____ or Inactive Site ✓

Describe any odors emanating from site: None

Describe leachate appearance: None

Any evidence of past leachate: No

Estimated distance and direction to nearest well: 250' (2)

Location of site (may use USGS Quad Map): _____

Recommendations for follow-up action:

a. Leachate sampling _____

b. Subsurface evaluations _____

Additional comments or recommendations:

wells monitored monthly

1. benzoic acid

~~3.~~

~~2~~. C.O.D.

78

5 of 7

INACTIVE INDUSTRIAL WASTE DISPOSAL OR STORAGE SITE

Site Nowry Chem. Active site

Location Burt
(Include a location on a topo map or copy thereof)

When Site Was Used 1978 - summer

Size of Site (~~acres~~) 24' x 200'

Distance to Nearest Dwelling (feet) 1800

Distance to Nearest Watercourse (feet) 2000 18 mile crk.

Type of Soil clay

Proximity to Wetlands 2000 - 18 mile crk.

Depth to Groundwater 5 ft.

Any Identified or Potential Problems No

Materials In Site

Material	Quantity	Container Type, if any	Generator (Name & Address)
benzoyl peroxide	580 cuyds.	None	Nowry Chem.

Any Other Pertinent Information waste product that had settled in 18 mile cut. Permitted by D.E.C. Trenches to be covered by mid September

Name of Person Providing Information Mr. Little Phone

Confidential

8/9/78

SUPPLEMENTAL LANDFILL INSPECTION FORM

Name of Facility: Nowry Chem. Active site

Active Site _____ or Inactive Site ✓

Describe any odors emanating from site: None

Describe leachate appearance: None

Any evidence of past leachate: No

Estimated distance and direction to nearest well: 360' (2)

Location of site (may use USGS Quad Map): _____

Recommendations for follow-up action:

a. Leachate sampling _____

b. Subsurface evaluations _____

Additional comments or recommendations:

wells monitored monthly for.

1. Benzoic acid

2. C.O.D.

Norwy Chemicals, Burt N.Y.

Waste products

1. packaging goods } Modern Disposal
2. cardboard }

3. sodium benzoate sludge } Frontier Chemical
(aqueous solution) }

4. phosphorous acid sludge - chemically destroyed

"Confidential".

15 (12/75)

Attachment 6-3 page 1 of 1

New York State Department of Environmental Conservation

MEMORANDUM

TO: Peter Buechi
FROM: Ahmad Tayyebi AT
SUBJECT: Noury Chemical (Inactive Landfilled Area)

DATE: March 6, 1981

During 1978, Noury Chemical dredged the 18-Mile Creek and landfilled the waste in two trenches inside their property. Noury Chemical contends that the third trench, also located in the area, does not contain any waste material. Trenches are approximately 25 X 100 in size. Landfilled waste is primarily composed of benzoyl peroxide. It also contains dicalcium phosphate and benzoic acid sludges.

Since the landfilling operation, no attempts have been made to determine the possibility of groundwater contamination. Therefore, I am suggesting that the following approach be taken for the implementation of a monitoring program:

1. Submittal of the topographic map including a preliminary survey of the area. (SHOWING LOCATION OF DISPOSAL AREAS)

2. Information regarding hydrogeology of the area--water tables and the direction of the groundwater movement.

3. Installation of at least three monitoring wells (two downgradient and one upgradient).

4. Analysis of the water samples from the monitoring wells. The results are to be submitted to DEC for review.

OR

5. Possibility of Noury Chemical consent to excavate the trenches and remove the dredged material to an approved landfill.

AT:las

4/16/81

AHMAD,
PREPARE LETTER REQUESTING THAT THEY UNDERTAKE THE FIRST FOUR ITEMS YOU HAVE LISTED.

PJB

Attachment 6

EPA

POTENTIAL HAZARDOUS WASTE SITE
FINAL STRATEGY DETERMINATION

REGION	SITE NUMBER
II	NY 000010260

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET	
Noury Chemical	Route 78	
C. CITY	**D. STATE**	**E. ZIP CODE**
Burt	NY	14028

II. FINAL DETERMINATION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY: EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED	X				
B. REMEDIAL ACTION NEEDED, BUT NO RESOURCES AVAILABLE *(If yes, complete Section III.)*					
C. REMEDIAL ACTION *(If yes, complete Section IV.)*					
D. ENFORCEMENT ACTION *(If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)*					

E. RATIONALE FOR FINAL STRATEGY DETERMINATION

Site consists of 5 pots used to bury 12,800 ft of MEKP, TMCH, and acids from 1955 to 1972. An additional landfill was used to bury benzoic acid sludge, 20 yd^3 DCP, and 4 drums phosphoric acid sludge from 1974 to 1975. Both actions were performed with DEC permission. Monitoring wells are sampled monthly. Due to State involvement no action by EPA is contemplated.

F. IF A CASE DEVELOPMENT PLAN HAS BEEN PREPARED, SPECIFY THE DATE PREPARED *(mo., day, & yr.)*	G. IF AN ENFORCEMENT CASE HAS BEEN FILED, SPECIFY THE DATE FILED *(mo., day, & yr.)*

H. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
Mel Hauptman	264-1573	11/18/81

III. REMEDIAL ACTIONS TO BE TAKEN WHEN RESOURCES BECOME AVAILABLE

List all remedial actions, such as excavation, removal, etc. to be taken as soon as resources become available. See instructions for a list of Key Words for each of the actions to be used in the spaces below. Provide an estimate of the approximate cost of the remedy.

A. REMEDIAL ACTION	B. ESTIMATED COST	C. REMARKS
	$	
	$	
	$	
	$	
	$	
	$	
	$	
	$	
D. TOTAL ESTIMATED COST	$	

EPA Form T2070-5 (10-79)

Continue On Reverse

EPA

POTENTIAL HAZARDOUS WASTE SITE
TENTATIVE DISPOSITION

REGION	SITE NUMBER
II	NY 000010260

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME	B. STREET	
Noury Chemical	Route 78	
C. CITY	**D. STATE**	**E. ZIP CODE**
Burt	NY	14028

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY: EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED -- NO HAZARD	X				
B. INVESTIGATIVE ACTION(S) NEEDED *(If yes, complete Section III.)*					
C. REMEDIAL ACTION NEEDED *(If yes, complete Section IV.)*					
D. ENFORCEMENT ACTION NEEDED *(If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)*					

E. RATIONALE FOR DISPOSITION

Site consists of 5 pots used to bury 12,800 ft of MEKP, TMCH, and Acids from 1955 to 1972. An additional landifll was used to bury benzoic acid sludge, 20 yd^3 DCP, and 4 drums phosphoric acid sludge from 1974 to 1975. Both actions were performed with DEC permission. Monitoring wells are sampled monthly. Due to State involvement no action by EPA is contemplated.

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION *(mo., day, & yr.)*	G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED *(mo., day, & yr.)*

H. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE *(mo., day, & yr.)*
Mel Hauptman	264-1573	11/18/81

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.

B. PROPOSED INVESTIGATIVE ACTIVITY *(Detailed Information)*

1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION *(mo, day, & yr)*	3. TO BE PERFORMED BY *(EPA, Contractor, State, etc.)*	4. ESTIMATED MANHOURS	5. REMARKS
a. TYPE OF SITE INSPECTION (1)				
(2)				
(3)				
b. TYPE OF MONITORING (1)				
(2)				
c. TYPE OF SAMPLING (1)				

The Following Image(s) are the Best Copy Available

BIEL'S

CC Helen Loy
HQ

EPA

POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION

REGION: II

SITE NUMBER: NY000010[illegible]

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

A. SITE NAME: [illegible] CHEMICAL, SITE 2

B. STREET (or other identifier): [illegible]

C. CITY: B[illegible]T

D. STATE: N.Y.

E. ZIP CODE:

F. COUNTY NAME: [illegible]

G. OWNER/OPERATOR (if known)

1. NAME: [illegible] CHEMICAL

2. TELEPHONE NUMBER:

H. TYPE OF OWNERSHIP (if known)

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

[illegible] LANDFILL; ACTIVE LIFE: 1974-1975
THE COMPANY DREDGED [illegible] MILE CREEK AND LANDFILLED THE DREDGED MATERIAL ([illegible]) — BURIED ON SITE [illegible]

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.): HAZARDOUS WASTE DISPOSAL SITES IN NEW YORK STATE (LIST OF 6/1980)

K. DATE IDENTIFIED (mo., day, & yr.):

L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM

CONFIRMED HAZARDOUS WASTES [illegible] PHOSPHATE SLUDGE [illegible]
[illegible] SAMPLES TAKEN.

[illegible] ENVIRONMENTAL PROBLEM: LITTLE POTENTIAL [illegible]
[illegible] DAMAGE.
[illegible]
[illegible] PUBLIC [illegible] APPARENT [illegible]

M. PREPARER INFORMATION

1. NAME: GEORGE B. RADAN

2. TELEPHONE NUMBER: 212 264-1576

3. DATE (mo., day, & yr.):

EPA Form 2070-8 (5-80)

CC Helen Loy
HQ

EPA POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION

REGION	SITE NUMBER
II	NY0000102[illegible]

NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.

A. SITE NAME	B. STREET (or other identifier)
[illegible] Chemical, Site 2	[illegible]

C. CITY	D. STATE	E. ZIP CODE	F. COUNTY NAME
[illegible]	N.Y.		[illegible]

G. OWNER/OPERATOR (if known)

1. NAME	2. TELEPHONE NUMBER
[illegible] Chemical	

H. TYPE OF OWNERSHIP (if known)

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

[illegible]

J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.)	K. DATE IDENTIFIED (mo., day, & yr.)
HAZARDOUS WASTE DISPOSAL SITES IN NEW YORK STATE (LIST OF 6/1980)	[illegible]

L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM

[illegible] — TOTAL 350 TON[illegible]

[illegible] SAMPLES WERE TAKEN

[illegible] DRUMS SHOULD BE [illegible] LANDFILL

[illegible] NOTIFIED

M. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
GEORGE B. RADAN	212 264-1576	[illegible]

Attachment 6-5
page 1 of 5

EPA Notification of Hazardous Waste Site

United States Environmental Protection Agency
Washington, D.C. 20460

9.241 Envtl, Solid Waste

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

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

Person Required to Notify:

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

Name: G. A. Schultz
Street: 2153 Lockport-Olcott Road
City: Burt State: NY Zip Code: 14028

Site Location:

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

Name of Site: Noury Chemical Corporation
Street: 2153 Lockport-Olcott Road
City: Burt County: Niagara State: NY Zip Code: 14028

C Person to Contact:

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

Name (Last, First and Title): Schultz, Gerald A. - General Manager
Phone: 716-778-8554

Dates of Waste Handling:

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

From (Year): 1955 To (Year): 1978

Waste Type: Choose the option you prefer to complete

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

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

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

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

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

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

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

D001		
D002		
D003		

Form Approved
OMB No. 2000-0138
EPA Form 8900-1

Notification of Hazardous Waste Site | Side Two | 278

Waste Quantity:

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

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

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

Facility Type

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

Total Facility Waste Amount

cubic feet 60,000

gallons _____

Total Facility Area

square feet 12,000

acres _____

Known, Suspected or Likely Releases to the Environment:

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

☐ Known ☐ Suspected ☐ Likely ☒ None

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

Sketch Map of Site Location: (Optional)

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

See attached

Description of Site: (Optional)

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

The site at which Noury Chemical Corporation operates at Burt, New York has been mainly utilized for the production of organic peroxides used as initiators. There have been some instances where disposal of sludges and contaminated waste products has necessitated use of landfill sites under permit. All of these sites are presently inactive. There are no known groundwater wells within one quarter mile of the plant.

Signature and Title:

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

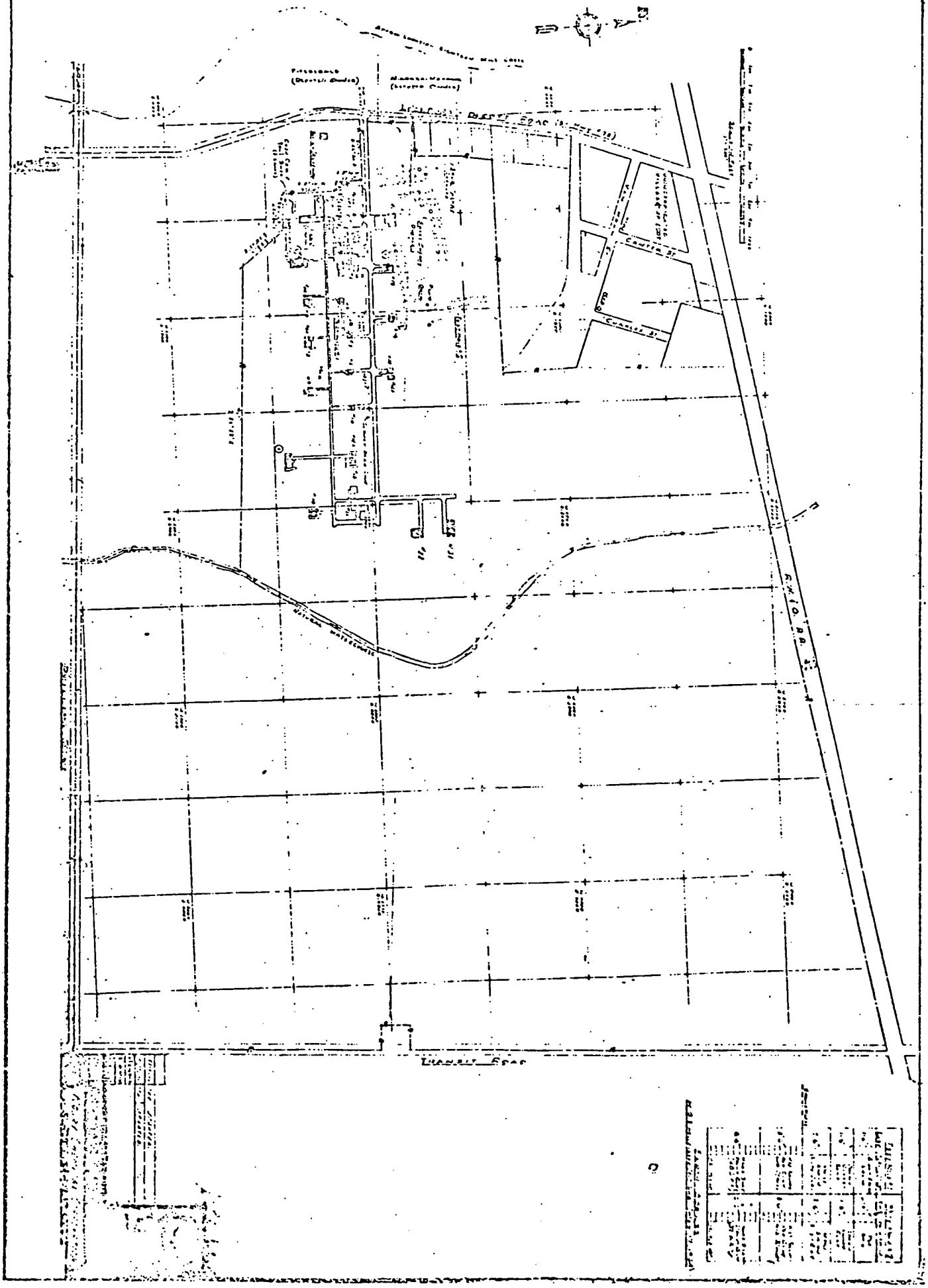
Name Noury Chemical Corporation

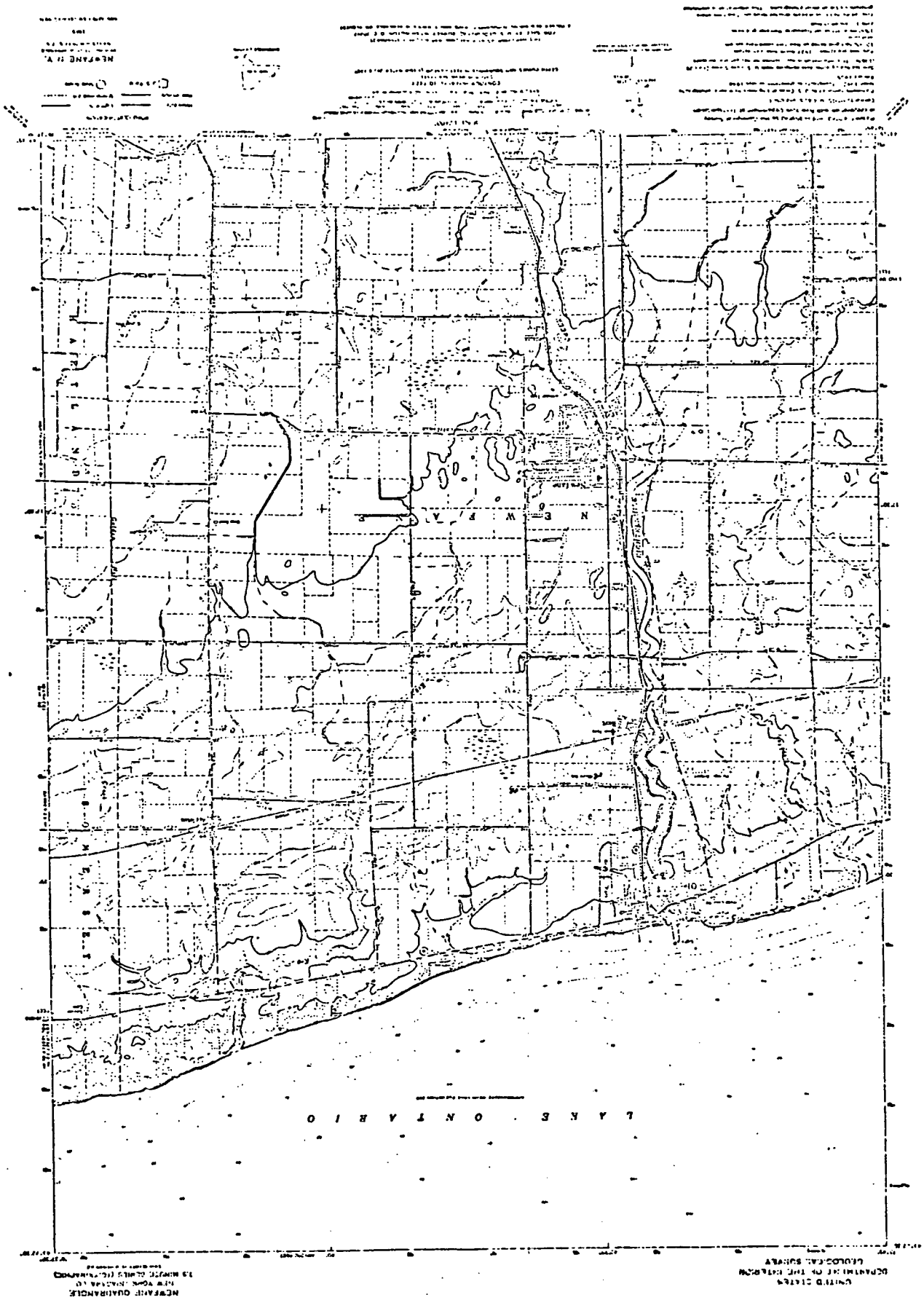
Street 2153 Lockport-Olcott Road

City Burt State NY Zip Code 14028

Signature [signature] Date 6/9/81

- ☐ Owner, Present
- ☐ Owner, Past
- ☐ Transporter
- ☒ Operator, Present
- ☐ Operator, Past
- ☐ Other




LAKE ONTARIO

5 of 8

POTENTIAL HAZARDOUS WASTE SITE
IDENTIFICATION AND PRELIMINARY ASSESSMENT

REGION	SITE NUMBER (to be assigned by Hq)
2	NY0000 10260

NOTE: This form is completed for each potential hazardous waste site to help set priorities for site inspection. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II *(Preliminary Assessment)*. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force *(EN-335)*; 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME: Noury Chemical Corp.

B. STREET *(or other identifier)*: Route 78

C. CITY: Burt

D. STATE: NY

E. ZIP CODE: 14028

F. COUNTY NAME: Niagara

G. OWNER/OPERATOR *(If known)*

1. NAME: Noury Chemical Corp.

2. TELEPHONE NUMBER: (716) 778 - 8354

H. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☑ 5. PRIVATE ☐ 6. UNKNOWN

I. SITE DESCRIPTION

1955 - 1972; 12,800 ft³ (5 pits) utilized to bury MEKP, TMCH, Acids. Additional landfill used 1974 - 5 to bury benzoic acid sludge, DCP (cont) Phosphor acid sludg (4 drum

J. HOW IDENTIFIED *(i.e., citizen's complaints, OSHA citations, etc.)*

K. DATE IDENTIFIED *(mo., day, & yr.)*

L. PRINCIPAL STATE CONTACT

1. NAME: Peter Bucchi

2. TELEPHONE NUMBER: (716) 842 - 5826

II. PRELIMINARY ASSESSMENT *(complete this section last)*

A. APPARENT SERIOUSNESS OF PROBLEM

☐ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☑ 4. NONE ☐ 5. UNKNOWN

B. RECOMMENDATION

☑ 1. NO ACTION NEEDED *(no hazard)* The landfilling was performed with DEC determination. Monitoring well sampled monthly.

☐ 2. IMMEDIATE SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 3. SITE INSPECTION NEEDED
a. TENTATIVELY SCHEDULED FOR:
b. WILL BE PERFORMED BY:

☐ 4. SITE INSPECTION NEEDED *(low priority)*

C. PREPARER INFORMATION

1. NAME: W.I. Hauptman

2. TELEPHONE NUMBER: 264 - 4573

3. DATE *(mo., day, & yr.)*: 11/17/81

III. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE *(Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)*

☑ 2. INACTIVE *(Those sites which no longer receive wastes.)*

☐ 3. OTHER *(specify)*: *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)*

B. IS GENERATOR ON SITE?

☐ 1. NO ☐ 2. YES *(specify generator's four-digit SIC Code)*:

C. AREA OF SITE *(In acres)*

D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES

1. LATITUDE *(deg.-min.-sec.)*

2. LONGITUDE *(deg.-min.-sec.)*

E. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☐ 2. YES *(specify)*:

Continue On Reverse

698

IV. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION	X	1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS. TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify):
					9. OTHER (specify):		

E. SPECIFY DETAILS OF SITE ACTIVITIES AS NEEDED

V. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. UNKNOWN ☒ 2. LIQUID ☐ 3. SOLID ☒ 4. SLUDGE ☐ 5. GAS

B. WASTE CHARACTERISTICS

☐ 1. UNKNOWN ☒ 2. CORROSIVE ☐ 3. IGNITABLE ☐ 4. RADIOACTIVE ☐ 5. HIGHLY VOLATILE
☒ 6. TOXIC ☐ 7. REACTIVE ☐ 8. INERT ☐ 9. FLAMMABLE

☐ 10. OTHER (specify): _____

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
'X' (1) PAINT, PIGMENTS	'X' (1) OILY WASTES	'X' (1) HALOGENATED SOLVENTS	'X' (1) ACIDS	'X' (1) FLYASH	'X' (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/ MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMLTG. WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify)		

768

V. WASTE RELATED INFORMATION (continued)

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH MAY BE ON THE SITE (place in descending order of hazard).

4. ADDITIONAL COMMENTS OR NARRATIVE DESCRIPTION OF SITUATION KNOWN OR REPORTED TO EXIST AT THE SITE.

VI. HAZARD DESCRIPTION

A. TYPE OF HAZARD	B. POTENTIAL HAZARD (mark 'X')	C. ALLEGED INCIDENT (mark 'X')	D. DATE OF INCIDENT (mo., day, yr.)	E. REMARKS
1. NO HAZARD	X			
2. HUMAN HEALTH				
3. NON-WORKER INJURY/EXPOSURE				
4. WORKER INJURY				
5. CONTAMINATION OF WATER SUPPLY				
6. CONTAMINATION OF FOOD CHAIN				
7. CONTAMINATION OF GROUND WATER				
8. CONTAMINATION OF SURFACE WATER				
9. DAMAGE TO FLORA/FAUNA				
10. FISH KILL				
11. CONTAMINATION OF AIR				
12. NOTICEABLE ODORS				
13. CONTAMINATION OF SOIL				
14. PROPERTY DAMAGE				
15. FIRE OR EXPLOSION				
16. SPILLS/LEAKING CONTAINERS/ RUNOFF/STANDING LIQUIDS				
17. SEWER, STORM DRAIN PROBLEMS				
18. EROSION PROBLEMS				
19. INADEQUATE SECURITY				
20. INCOMPATIBLE WASTES				
21. MIDNIGHT DUMPING				
22. OTHER (specify):				

Continue On Reverse

VII. PERMIT INFORMATION

APPLICABLE PERMITS HELD BY THE SITE.

☐ 2. SPCC PLAN ☐ 3. STATE PERMIT (specify): _____

☐ 5. LOCAL PERMIT ☐ 6. RCRA TRANSPORTER

☐ 8. RCRA TREATER ☐ 9. RCRA DISPOSER

specify): _____

☐ 2. NO ☐ 3. UNKNOWN

SPECT TO (list regulation name & number): _____

VIII. PAST REGULATORY ACTIONS

☐ B. YES (summarize below)

IX. INSPECTION ACTIVITY (past or on-going)

☐ B. YES (complete items 1,2,3, & 4 below)

OF ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

X. REMEDIAL ACTIVITY (past or on-going)

☐ B. YES (complete items 1, 2, 3, & 4 below)

PE F ACTIVITY	2. DATE OF PAST ACTION (mo., day, & yr.)	3. PERFORMED BY: (EPA/State)	4. DESCRIPTION

Based on the information in Sections III through X, fill out the Preliminary Assessment (Section II)

information on the first page of this form.

T2 0-2 (10-79)

Reg 1
Attachment
6-6
1 of 8

Mr. Peter Buechi, Region 9
Robert Olazagasti, Solid Waste Management Specialist III, Bureau of Hazardous Waste
Noury Chemical Corporation as per Mr. Tayyebi's Request

April 20, 1981

Attached is a copy of the questionnaire submitted by Noury Chemical to the Interagency Task Force on Hazardous Waste.

As indicated on page 3E, Lockport Town Dump was used as a disposal site for wastes produced by Noury Chemicals. Among the wastes indicated on the questionnaire as being disposed at this site are starch contaminated with peroxide and waste peroxide paste.

If you have any questions relative to this questionnaire, please contact me at (518) 457-7110.

RAO:cl
Attachment

cc: J. Iannotti
C. Goddard
R. McCarty

278

Company Name: Olin Chemical Corp.
County: Niagara
Address: 2853 Lockport-Olcott Road
Buffalo, N.Y. 14228
SIC Codes: 2869 3. 2. 4.

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

CONFIDENTIAL
CONFIDENTIAL

General Information

1. Facility Name
Mailing Address
Street City State Zip

Facility Location [ ] Same as above
Street City State Zip

2. Facility Owner

3. Individual Responsible for Facility
Name
Title Phone

4. Individual Providing Information
Name
Title Phone

5. Time period for which data are representative: / / to / /

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

Group Name	SIC Code (4 Digit)	Approximate % of Production Dollar Sales
a.		
b.		
c.		
d.		

7. Processes Used At Facility
a.
b.
c.
d.
e.

8. Products
a.
b.
c.
d.
e.

1 of

9. a. [illegible] f. [illegible]
b. [illegible] g. [illegible]
c. [illegible] h. [illegible]
d. [illegible] i. [illegible]
e. [illegible] j. [illegible]

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

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

CONFIDENTIAL

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

d. Sewer Discharge [ ] Yes [ ] No

a. Air Pollution Control Devices [X] Yes [ ] No

b. To Be Built [X] Yes [ ] No [illegible] Date

a. Number of manufacturing employees [illegible] b. Floor Space [illegible] sq.ft.

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

14. Attach flow diagrams of processes including waste flow outputs.

In-house waste treatment capabilities: [illegible]

[illegible]

[illegible]

a. Is there an abandoned landfill or lagoon on facility property? [ ] Yes [ ] No

b. List industrial waste types and approximate quantities disposed of at abandoned landfill:

Type	Total Volume (Please specify tons, gallons, or cubic yards)
1. [illegible]	
2. [illegible]	
3.	
4.	
5.	
6.	
7.	

c. Sketch diagram on back of this page or on an attached page showing location of above site on the facility property. [illegible]

17. Potentially hazardous wastes produced or expected to be produced by facility (correlate with Form IIs)
1) [illegible]
2) [illegible]
3) [illegible]
4)
5)
6)
7)
8)

Waste Characterization and [illegible]

(Use separate form for each waste stream)

CONFIDENTIAL

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

2. Description of process producing waste [illegible]

3. SIC Code of activity producing waste [illegible]

4. Brief characterization of waste [illegible]

5. a. Time period for which data are representative [illegible] to [illegible]

b. Projected initiation of waste generation [illegible] 19[illegible]

6. a. Annual waste production [illegible] ☒ tons/yr. ☐ gal./yr.

b. Daily waste production [illegible] ☒ lb/day ☐ gal./day

c. Frequency of waste production: ☐ seasonal ☐ occasional ☒ continual

☐ other (specify) [illegible]

7. Waste Composition [illegible]

a. Average percent solids [illegible]% b. pH range [illegible] to [illegible]

c. Physical state: ☒ liquid, ☐ slurry, ☐ sludge, ☐ solid,

☐ other (specify) [illegible]

d. Component	Average Concentration	☒ wet weight ☐ dry weight	
1. [illegible]	[illegible]	☒ wt. %	☐ ppm
2. [illegible]	[illegible]	☐ wt. %	☐ ppm
3. [illegible]	[illegible]	☐ wt. %	☐ ppm
4.		☐ wt. %	☐ ppm
5.		☐ wt. %	☐ ppm
6.		☐ wt. %	☐ ppm
7.		☐ wt. %	☐ ppm
8.		☐ wt. %	☐ ppm
9.		☐ wt. %	☐ ppm
10.		☐ wt. %	☐ ppm

5078

(attach copy of laboratory analysis if available)

f. Projected ☐ increase, ☒ decrease in volume from last year 20 in 1977; 10 by 1983.

g. Hazardous properties of waste: ☒ flammable ☐ toxic ☒ reactive ☐ explosive

☐ other (specify) [illegible]

3. On Site Storage

a. Method: ☐ drum, ☐ roll-off container, ☒ tank, ☐ pond, ☐ other (specify) _____

b. Average length of time waste stored 2 ☒ days, ☐ weeks, ☐ months

c. Average volume of waste stored [illegible] ☒ [illegible], ☐ gallons

d. Is storage site diked? ☐ Yes ☒ No

e. Surface drainage collection ☐ Yes ☒ No

CONFIDENTIAL

4. Transportation

a. Waste hauled off site by ☐ you ☒ others

b. Name of waste hauler [illegible]

Address _____

Street City

State Zip Code ( ) Phone

c. Is above company registered with N.Y.S. to haul your waste? ☐ Yes ☐ No

5. Treatment and Disposal

a. Treatment or disposal: ☐ on site ☒ off site

b. Waste is ☐ recycled ☐ treated ☐ land disposed ☐ incinerated

☐ other (specify) _____

c. Complete Form III if company operates a land disposal facility.

d. Off site facility receiving waste

Name of Facility _____

Facility Operator _____

Facility Location _____

Street City

State Zip Code ( ) Phone

Land Disposal Questionnaire

1. a. Are there detailed design and operational plans for the site? /_/Yes /_/No

   b. Attach sketch of land disposal area showing location and distance to surface water, soil classification, direction of groundwater flow, location of monitoring wells, and other pertinent information.

CONFIDENTIAL

2. a. Does disposal site have a liner? /_/Yes /_/No

   b. Type of liner _____

   c. Thickness _____

3. a. Leachate collection? /_/Yes /_/No

   b. Leachate treatment? /_/Yes /_/No

   c. Type of treatment _____

4. a. Shortest depth to groundwater _____ ft.

   b. Classes of soils underlying site (correlate with sketch) _____

5. a. Groundwater monitoring wells? /_/Yes /_/No

   b. Number of wells _____ c. Well down gradient? /_/Yes /_/No

6. Non-industrial wastes disposed of at site? /_/Yes /_/No

7. Are different waste(s) disposed in specially segregated areas of the site? /_/Yes /_/No

8. Is there security at disposal area (i.e. fences, signs)? /_/Yes /_/No

9. Are there contingency plans and equipment to handle possible emergency situations at the facility? /_/Yes /_/No Attach if available.

10. Industrial wastes disposed of at site:

Waste Stream Number	Waste	Volume/Year (please specify tons, gallons, cubic yards)

Comments

RECEIVED

DEC 9 1976

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY, NEW YORK 12233

7098

INDUSTRIAL CHEMICAL SURVEY

PART I

PLEASE COMPLETE AND RETURN TO THE ABOVE ADDRESS, ATTENTION: INDUSTRIAL CHEMICAL SURVEY.

COMPANY NAME	SIC CODE (If known)	OFFICE USE ONLY
Noury Chemical Corporation	2818	66080

COMPANY MAILING ADDRESS	CITY	STATE	ZIP CODE
Route 78	Burt	N. Y.	14028

PLANT NAME (If different)	CONTACT NAME	TELEPHONE
--	Mr. Edwin Linke/Mr. G. A. Schultz	Area 716-778-8554

PLANT ADDRESS (If different) Street	CITY	STATE	ZIP CODE
--			

PRINCIPAL BUSINESS OF PLANT

Produce Organic Peroxides

NOTE: (If parent company, give name and addresses of all divisions, subsidiaries, etc. located in New York State. A separate questionnaire is to be completed and submitted for each.)

PART II
Discharge Information

1. Does your plant discharge liquid wastes to a municipally owned sanitary sewer system? ☐ Yes ☑ No
   Name of System _____
2. Is your facility permitted to discharge liquid wastes under a State (SPDES) or Federal (NPDES) permit? ☑ Yes ☐ No
   Permit Number [| | | | | | |]
3. Do you discharge liquid wastes in any other manner? ☐ Yes ☐ No
   Explain _____

If any of the above are "Yes":

a. Do you discharge process or chemical wastes – (i.e. water used in manufacturing including direct contact cooling water and scrubber water)? ☒ Yes ☐ No
b. Do you discharge non-contact cooling water? ☐ Yes ☐ No
c. Do you discharge collected storm drainage only? ☐ Yes ☒ No
d. Do you discharge sanitary wastes only? ☐ Yes ☒ No

1. Does your facility have sources of possible emissions to the atmosphere? ☒ Yes ☐ No
2. Enter Location and Facility Code as shown on your Air Pollution Control Application for Permits and Certification (If applicable) [2 | 0 | 2 | S | 0 | 0 | 0 | 0 | 4 | 3]

1. List Name and Address of Firm (Including yourself) removing wastes other than office and cafeteria refuse.

Name	Address	City	State	Zip Code	Active	Inactive
Frontier Chemical	4262 Royal Ave.	Niagara Falls	NY	14303	☐	☐
Bancroft M & Sons Enterprises	400 South Niagara St.	Lockport	NY	14094	☐	☐

2. List Location(s) of Landfill(s) owned and used by your facility.

		Active	Inactive
1	none	☐	☐
2		☐	☐

1. Does this facility:

Manufacture Pesticides or Pesticide Product Ingredients?	☐ Yes	☑ No
Produce Pesticides or Pesticide Product Ingredients?	☐ Yes	☑ No
Formulate Pesticides?	☐ Yes	☑ No
Repackage Pesticides?	☐ Yes	☑ No

2. EPA Establishment Number [| | | | | | – | | | – | | | |]

PART III

878

SUBSTANCES OF CONCERN
(Refer to attached TABLE I)

Complete all information for those substances your facility has used, produced, stored, distributed or otherwise disposed of since January 1, 1971. Do not include chemicals used only in analytical laboratory work. Enter the name and code from Table I. If facility uses a substance in any of the Classes A – F which is not specified in the list, enter it as code class plus 99, e.g. B99 with name, usage, etc.

NAME OF SUBSTANCE	CODE	AVERAGE ANNUAL USAGE	AMOUNT NOW ON HAND	(✓) GAL.	(✓) LB.	PURPOSE OF USE (State whether produced, reacted, blended, packaged, distributed, no longer used, etc.)
nzoyl Chloride	Bo5	3,000,000	100,000		x	reacted
enzoic Acid (benzoate salts)	F12	120,000	500		x	effluent
halate Esters	F15	1,500,000	100,000		x	blended
yiene	D03	25,000	5,000		x	blended
4-Dichlorobenzoyl Chloride	B99	75,000	20,000		x	reacted
-Dichlorobenzoyl Peroxide	B99	60,000	10,000		x	produced
-Chlorobenzoyl Chloride	B99	7,000	2,000		x	reacted
Chlorobenzoyl peroxide	B99	5,000	1,000		x	produced
zoyl Peroxide	F99	2,000,000	100,000		x	produced
tyl perbenzoate	F99	400,000	20,000		x	produced
-Dichlorobenzoic acid (salts)	B99	2,400	0		x	effluent
hlorobenzoic acid (salts)	B99	200	0		x	effluent

u use chemicals of unknown composition, list trade name or other identification, name of supplier and complete information.

NAME OF SUBSTANCE	AVERAGE ANNUAL USAGE	AMOUNT NOW ON HAND	(✓) GAL.	(✓) LB.	SUPPLIER	PURPOSE OF USE (State whether produced, reacted, blended, packaged, distributed, no longer used, etc.)
62	15,000	1500		x	Inland Chemical	cleaning solvent
rborn	3,000	500		x	Dearborn Chemical	water conditioners
66, 150, 659 LPA, 900, 709						

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

SIGNATURE (Owner, Partner, or Officer)

DATE 12/15/76

(Printed or Typed) G. A. Schultz

TITLE General Manager & Executive Vice President

Attachment 6-7 page 1 of 5

NOURY
CHEMICAL CORPORATION
2153 Lockport-Olcott Road, Burt, N.Y. 14028
phone: (716) 778-8554 Telex: 916-405

October 31, 1978

Ms. J. S. Schreiber
Interagency Task Force on Hazardous Wastes
M.P.O. Box 561
Niagara Falls, New York 14302

Dear Ms. Schreiber:

Your enclosed questionnaire has been completed to the best of my knowledge within the time granted. I have noted the location of waste disposal sites, time we estimate they were in use and the materials we believe were so disposed. The quantity of materials disposed of can only be estimated.

If you have any further questions, please call me at 778-8554.

Very truly yours,

NOURY CHEMICAL CORPORATION

Edwin W. Linke

Edwin W. Linke
Manufacturing Manager

EWL/g
Enclosure

cc: G. A. Schultz
Mac Day

NOV 06 1978

NOURY INITIATORS

Trigonox® - Percadox® - Cadox® - Cadet® - Trigonal®

A COMPLETE RANGE OF INITIATORS FOR THE PLASTICS INDUSTRY

CHEMICAL TYPE	TRADE NAME	FORM	% PEROXIDE CONTENT	10 HR. HALF LIFE °C	STANDARD PACKAGE	DATA SHEET NUMBER	END USES: POLYESTER	END USES: POLYMER	END USES: X-LINK
~~[illegible]~~	TRIGONOX ACS-M28	Solution in DMP	29	38	8# Bottle	9-100		▼	
~~[illegible]~~	PERCADOX 16	Powder	98	44	5# Bag	7-100	▼	▼	▼
~~[illegible] Peroxydicarbonate~~	TRIGONOX EHP-C75	Solution in Min. Spirits	75	44	7# Bottle	7-300		▼	
	TRIGONOX EHP	Liquid	98	44	8# Bottle			▼	
~~[illegible] Peroxydicarbonate~~	TRIGONOX SBP-C75	Solution in Min. Spirits	75	45	8# Bottle	7-600		▼	
	TRIGONOX SBP	Liquid	98	45	8# Bottle	7-600		▼	
* Bis(2, 4-Dichlorobenzoyl) Peroxide	CADOX TS-50	Paste in Silicone Oil	50	54	50# Pail	2-111			▼
~~Lauroyl Peroxide~~	LAUROX	Flakes	98	61	50# Drum	2-500	▼	▼	
* Benzoyl Peroxide	CADET BPO-78	Wet Granules	78	71	1# Bags	2-102	▼	▼	
	CADET BPO-70	Wet Granules	70	71	5# Bags	2-102	▼	▼	
	CADOX BFF-60 W	Wet Granules	60	71	5# Bags	2-106	▼	▼	
	CADOX BFF-50	Granules	50	71	50# Drum	2-106	▼	▼	
	CADOX BSP-55	Non Separating Paste	55	71	50# Pail	2-112	▼	▼	
	CADOX BS	Paste in Silicone Oil	50	71	40# Pail	2-111			▼
	CADOX 40E	Liquid Emulsion	40	71	50# Drum	2-103	▼	▼	
	CADOX BCP	Powder	35	71	135# Drum	2-110	▼	▼	
* t Butyl Peroctoate	TRIGONOX 21	Liquid	98	74	35# Cube	4-100	▼	▼	
	TRIGONOX 21-OP50	Solution in DOP	50	74	35# Cube	4-101	▼	▼	
	TRIGONOX 21-C50	Solution in Min. Spirits	50	74	35# Cube	4-101	▼	▼	
* Bis P-Chlorobenzoyl Peroxide	CADOX PS	Paste in Silicone Oil	50	75	45# Pail	2-111			▼
* Perester	TRIGONOX KSM	Solution in DBP	75	83	7# Bottle	4-201	▼		
* 1, 1-Di-t-Butyl Peroxy-3,3,5-Trimethylcyclohexane	TRIGONOX 29-B75	Solution in DBP	75	95	7# Bottle	5-102	▼		
	TRIGONOX 29-C75	Solution in Min. Spirits	75	95	35# Cube	5-103		▼	
	TRIGONOX 29/40	Powder on $CaCO_3$	40	95	100# Drum	5-101			▼
~~t Butyl [illegible]~~	TRIGONOX F-C50	Solution in Min. Spirits	50	103	55# Drum	D-F50		▼	
* t Butyl Perbenzoate	TRIGONOX C	Liquid	98	104	40# Cube	4-300	▼	▼	▼
* Methyl Ethyl Ketone Peroxide	CADOX M-105	Solution in DMP	10.6†	105	8# Bottle	3-300	▼		
	CADOX M-30	Solution in DMP/DAP	5.3†	105	8# Bottle	3-302	▼		
	CADOX F-85	Fire Resistant Liquid	8.5†	—	8# Bottle	3-500	▼		
* 2,4 Pentanedione Peroxide	TRIGONOX 40	Fire Resistant Liquid	4.0†	—	8# Bottle	3-100	▼		
* Diacetone Alcohol Peroxide	TRIGONOX 48W	Fire Resistant Liquid	9.8†	—	8# Bottle	3-400	▼		
~~[illegible] Butylperoxy [illegible]ate~~	TRIGONOX 17/40	Powder on $CaCO_3$	40	107	66# Drum	5-401			▼
* t Butyl Hydroperoxide	TRIGONOX A-70	Liquid	72	119	35# Cube	6-100	▼	▼	
	TRIGONOX AW-70	Liquid	70	171	35# Cube	6-101	▼	▼	
~~[illegible] Bis(t-Butylperoxy) [illegible]~~propyl ~~Benzene~~	PERCADOX 14	Solid	98	122	400# Drum	5-200	▼	▼	▼
	PERCADOX 14/40	Powder on Clay	40	122	100# Drum	5-200	▼		▼
* Di t Butyl Peroxide	TRIGONOX B	Liquid	99	125	100# Drum	5-300		▼	
~~[illegible]~~	TRIGONAL 14	Liquid	—	—	55# Drum	6-100	▼		

†-Active Oxygen

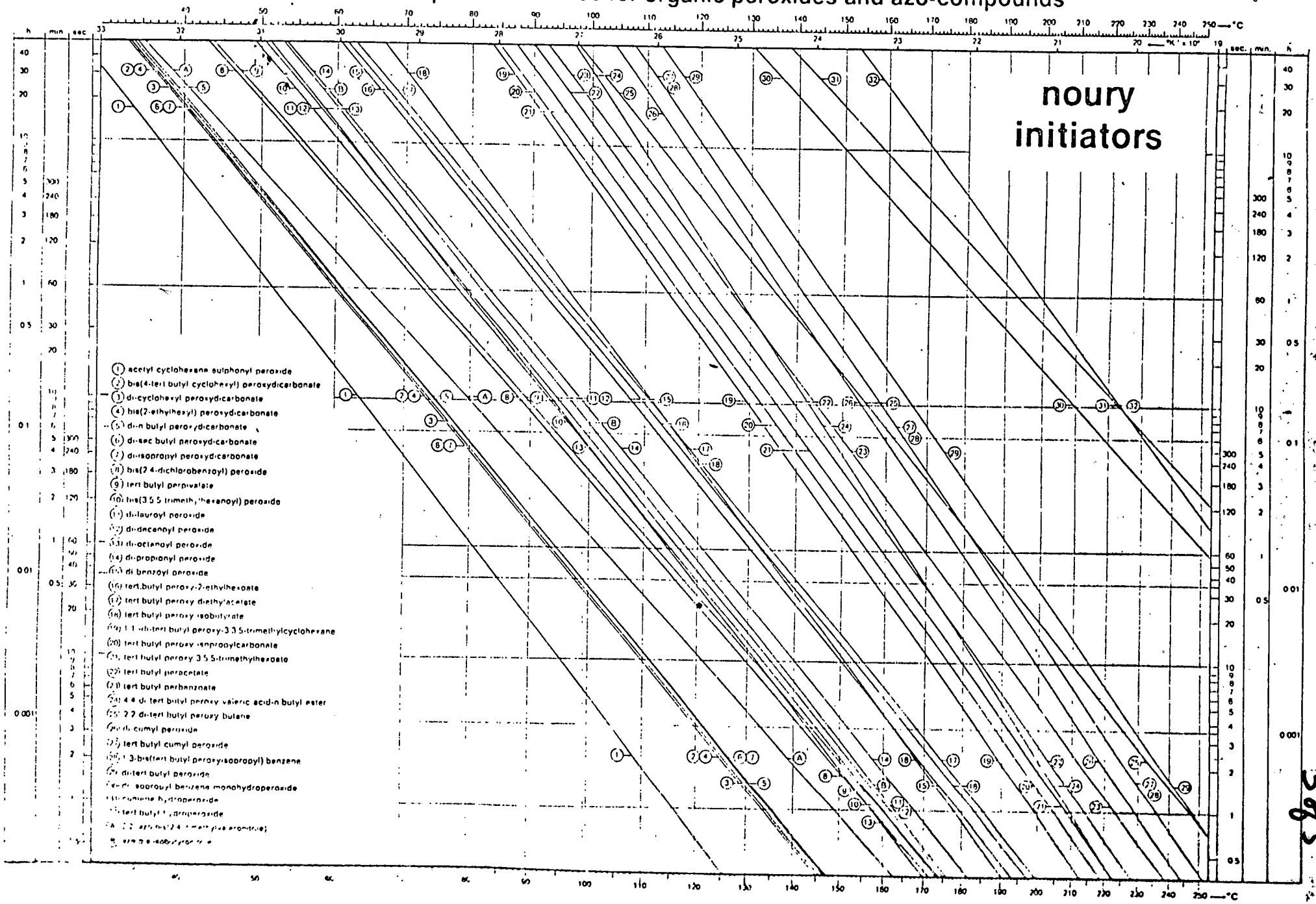
APPLICATION INDEXES
- 1-100 Vulcanization and cross-linking agents
- 1-101 Polyester polymerization catalysts
- 1-102 Polymerization initiators

APPLICATION AND TECHNICAL BULLETINS
- 3-300-4 Handling and storage recommendations for methyl ethyl ketone peroxides
- 10-100 Accelerator systems for polyesters curing
- 10-102 Catalysts for elevated temperature curing
- 10-103 Curing matched-die molding compounds with organic peroxides
- 10-104 Catalysts for room temperature curing
- 10-105 Refrigerated products safety bulletin

NOURY
CHEMICAL CORPORATION a member of Armak
Burt, N.Y. 14028 phone (716) 778-8554
Plant Locations: Burt, N.Y. Pasadena, Texas

* MANUFACTURED &/OR PROCESSED IN BURT PLANT

half life time / temperature curves for organic peroxides and azo-compounds



NOR
CHEMICAL CORPORATION
2153 Lockport-Olcott Road, Burt, N.Y. 14028
phone: (716) 778-8554 Telex: 916-405

405

December 8, 1978

DEC 11 1978

Ms. J. S. Schreiber
Interagency Task Force on Hazardous Wastes
MPO Box 561
Niagara Falls, New York 14302

Dear Ms. Schreiber:

The answers to your questions of your letter of November 10th are listed below.

1. MEKP contaminated with TBA means methyl ethyl ketone peroxide contaminated with tertiary butyl alcohol.

2. TMCH refers to trimethylcyclohexanone while phthalates refers to the general class of chemical compounds. The description of waste types in item IV-5c, 2 does not refer to a trimethylcyclohexane phthalate.

3. Frontier Chemical has hauled sludge from our pretreatment plant as recently as 11/7/78. Solid packaging materials and garbage-like waste has been hauled out by Bancroft and Sons Enterprises, Modern Disposal Inc. and currently by Niagara Sanitation Inc.

4. Correct.

5. A permit was obtained for construction of two pits in 1977 to receive sludges excavated from the plant's former sewer outfall at Eighteen Mile Creek. The work was completed in August, 1978 and the pits have been covered up. A clay cap will be installed shortly. Other small landfill pits behind building were in use from 1974-1978 and are currently being excavated.

6. To the Town of Newfane Municipal Sewage Treatment Facilities in Olcott. Effluent limitations are outlined in the town's sewer use ordinance, but are limited to pH from 6 to 8. Noury pays a monthly charge based on flow (100,000 gal/day) and BOD_5 (2155 lbs./day).

7. Sludge from our pretreatment plant after caustic destruction of the peroxide is hauled by Frontier Chemical to their Niagara Falls plant. I understand they neutralize it and filter out the solids. The liquid is sewered to the City of Niagara Falls Municipal Treatment plant and

595

the solids buried at a Newco landfill.

If you have any further questions, please call me at 778-8554.

Sincerely,

NOURY CHEMICAL CORPORATION

Edwin W. Linke

Edwin W. Linke
Plant Manager

EWL/as

NIAGARA

NAME NOURY CHEM CORP.
MICAL CORPORATION

ICS NO.	REGION	BASIN	COUNTY	SIC CODE
66060	09	03-01	29	

ADDRESS	CITY	STATE	ZIP CODE	PRINCIPAL BUSINESS OF COMPANY
ROUTE 78	BURT	NY	14028	PRODUCE ORGANIC PEROXIDES

IND. PERMIT NO.	MUNI PERMIT NO.	AIR FACILITY CODE	EPA ESTAB. NO.
0000884	0000000	292800 0043	

RECEIVING WATER	WATER BODY I.D.	USGS QUAD.
EIGHTEEN MILE CK.	0301 4002	H-06-4

CHEMICAL NAME	CAS NO.	AVG. ANNUAL USE	UNITS: G=GALLONS, L=POUNDS	USE CODE
2,4-DICHLOROBENZOYL CHLORIDE	000089-75-8	75,000	L	

NYDEC-BY JOHN PULASKI
DATE: 8/25/78

INDUSTRIAL CHEMICAL SURVEY -POSITIVE RESPONDERS TO ICS
FOR REGION NO. 9

CHEMICAL NAME	CAS NO.	AVG. ANNUAL USE	UNITS: G=GALLONS, L=POUNDS	USE CODE
P-CHLOROBENZOYL PEROXIDE	000094-17-7	5,000	L	
BENZOYL PEROXIDE	000094-36-0	2,000,000	L	
BENZOYL CHLORIDE	000098-88-4	3,000,000	L	
P-CHLOROBENZOYL CHLORIDE	000122-01-0	7,000	L	
2,4-DICHLOROBENZOYL PEROXIDE	000133-14-2	60,000	L	
XYLENE	001330-20-7	25,000	L	
T-BUTYL PERBENZOATE	001711-40-6	400,000	L	
2,4-DICHLOROBENZOIC ACID & SALTS	B99000-00-0	2,400	L	
P-CHLOROBENZOIC ACID & SALTS	B99000-00-0	200	L	
BENZOIC ACID & SALTS	F12000-00-0	120,000	L	
PHTHALATE ESTERS	F15000-00-0	1,500,000	L	
AP-62	T99000-00-0	15,000	L	
DEARBORN 66,150,659,LPA,900,709 WATER CONDITIONERS	T99000-00-0	3,000	L	

NAME
-N MACADAM, INC.

ICS NO.	REGION	BASIN	COUNTY	SIC CODE
66063	09	03-02	29	

Attachment G-8
1 of 12

6-8
2/12

INTERAGENCY TASK FORCE ON HAZARDOUS WASTES
M.P.O. Box 561
Niagara Falls, New York 14302
(716) 285-3057

I. General Information

1. Company Name: Noury Chemical Corporation

Mailing Address: Route 78 (Street) | Burt (City) | New York (State) | 14028 (Zip)

Present Plant Location: [X] Same as Above

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

2. If Subsidiary or Division, Name of Parent Company: Armak Co.

3. Person Responsible for Present Plant Operations
   Name: G. A. Schultz
   Title: General Manager — Telephone: 778-8554

4. Person Answering this Questionnaire
   Name: E. W. Linke
   Title: Manufacturing Manager — Telephone: 778-8554

II. Company History

1. Date Company Founded: 1966 as Chemetron-Noury Corporation

   Date and State of Incorporation: February 18, 1966, Delaware

   Date Company Began Operations in Erie or Niagara County: 1946

2. Other Company Names since 1930 (specify time periods):
   (Cadet Chemical Corporation 1946-1966
   (Chemetron-Noury 1966-1970
   (Noury Chemical Corporation - 1970 to date

3. Other Plant Locations in Erie or Niagara County since 1930 (specify locations and time periods): Cadet Chemical - Elk St., Buffalo 1946-1955

4. Names of Companies Acquired which have Operated Plants in Erie or Niagara County since 1930 (specify name of company, date of acquisition, location of plant, and periods of operation): None

6-8
3/13

III. Company Personnel

1. Identify all plant managers from 1930 to present. Indicate years of service in that position, last known address and telephone number.

2. Identify all plant purchasing agents from 1930 to present. Indicate years of service in that position, last known address and telephone number.

3. Identify all plant personnel with supervisory responsibility for treatment or disposal of industrial wastes from 1930 to present. Indicate years of service, last known address and telephone number.

IV. Industrial Waste Production, Treatment and Disposal

1. Processes Used at Plant (1930-1975)

	Dates
a. Chlorination	a. 1955-to date
b. Peroxidation	b. 1955-to date
c. Mixing	c. 1955-to date
d. Grinding	d. 1955-to date
e. Drying	e. 1955 - 1977

2. Products (1930-1975) (see attached sheet)

a. Benzoyl, Lauroyl and Decanoyl Peroxides	a. 1955 to date
b. Alcohol & Ketone Peroxides	b. 1955 to date
c. Peroxide Pastes w/silicone fluid & phthalate esters	c. 1955 to date
d. Flour bleaching and maturing agents	d. 1967 to date
e. Peresters - Hydro & Di-Alkyl Peroxide	e. 1955 to date

3. On Site Waste Treatment (1930-1975)

a. Burning cage	a. 1955 to 1972
b. Sludge pit	b. 1955 to 1972
c. Landfill	c. 1974 to 1975
d. WWPTP (Waste Water Pretreatment Plant)	d. 1976 to date
e.	e.

4. List all Waste Haulers since 1930 including Your Company thru 1975

Name Mowry Chemical Corporation

Address Route 78 (Street) Port (City) NY (State)

Telephone 716 778-8554

Name [illegible]

Address 600 S. Niagara (Street) [illegible] (City) NY (State)

Telephone 716 [illegible]

5. Identify all Treatment or Disposal Sites In Erie or Niagara County used since 1930 (use separate sheet for each site).

(1) a. Name of Site Burt Sludge Pit

b. Location Between Bldg. #19 and Bldg. #14

c. Owner or Operator Cadet Chemical, Chemetron-Noury, NCC

d. Time Period Site was Used 1955 to approximately 1972

e. Describe Waste Types Treated or Disposed at this Site	Physical State	Total Quantity	Type of Containe If Any
(1) MEKP	liquid)	5 pits)	Mostly loose
Contaminated TBA	")	12,800)	but some in
	)	)	
(2) TMCH	")	cu. ft.	steel drums
Phthalates	")	"	"
Calcium Carbonate	Solid	"	"

(5) Benzoic Acid and/or

6-8
5/12

5. Identify all Treatment or Disposal Sites in Erie or Niagara County used since 1930 (use separate sheet for each site).

(2) a. Name of Site 18 Mile Creek

b. Location Adjacent to Route 78, Burt, NY

c. Owner or Operator N.A.

d. Time Period Site was Used 1955 to 1975

e. Describe Waste Types Treated or Disposed at this Site	Physical State	Total Quantity	Type of Container If Any
(1) All liquid effluent	Liquid	100,000	None
from plant per NYS permit		GPD	
(2)			
(3)			
(4)			
(5)			

f. Wastes Were ☐ land disposed ☐ incinerated ☐ reclaimed ☐ treated ☐ other (specify) Sewered to 18 mile creek.

g. Names of waste haulers including your company transporting such wastes to this site, if a disposal site.

N/A
Name Telephone

Street City State

Time Periods such Hauler Transported to this Site

Name Telephone

Street City State

Time Periods such Hauler Transported to this Site

h. List Names and Addresses of other Companies using this Site, if a disposal site.

Name
of Other Company

Street City State

Time Periods such Other Company Used this Site

5. Identify all Treatment or Disposal Sites in Erie or Niagara County used since 1930 (use separate sheet for each site).

(3) a. Name of Site Burt Burning Cage

b. Location East of Bldg. #14A and 20

c. Owner or Operator Cadet Chemical, Chemetron Noury, NCC

d. Time Period Site was Used 1955 to approximately 1972

e. Describe Waste Types Treated or Disposed at this Site	Physical State	Total Quantity	Type of Container If Any
(1) All combustibles mostly			
cardboard and wood	Solids	Est.	N/S
(2) partially contaminated		20-50cyd/wk.	
with liquid and solid			
(3) peroxides. Also sweepings			
of BPO and Oxylite/Keetox			
(4)			
(5)			

f. Wastes Were ☐ land disposed ☒ incinerated ☐ reclaimed
☐ treated ☐ other (specify) _____

g. Names of waste haulers including your company transporting such wastes to this site, if a disposal site.

NCC internal operations only
Name Telephone

Street City State

Time Periods such Hauler Transported to this Site

Name Telephone

Street City State

Time Periods such Hauler Transported to this Site

h. List Names and Addresses of other Companies using this Site, if a disposal site.

Name of Company

Street City State

Time Periods such Other Company Used this Site

5. Identify all Treatment or Disposal Sites in Erie or Niagara County used since 1930 (use separate sheet for each site).

(4) a. Name of Site Newfane Town Dump

b. Location Chestnut St., Newfane, NY

c. Owner or Operator Town of Newfane

d. Time Period Site was Used 1972 (?) prior to 1975

e. Describe Waste Types Treated or Disposed at this Site	Physical State	Total Quantity (1-2-3) (unknown)	Type of Container, If Any
(1) Keetox & Oxylite waste	Solids	Amount	Fiber drums or cardboard boxes
(2) Starch contaminated with peroxide	Solids	est. lcyd/wk)	"
(3) Waste peroxide pastes	Pastes	•	Plastic pails
(4) Cardboard, packaging materials, bags, fiber drums	Solids	(4-5) 50-70 cyd/wk. est.	Loose
(5) Food garbage	Solids	Total	Plastic bags

f. Wastes Were [X] land disposed [ ] incinerated [ ] reclaimed [ ] treated [ ] other (specify)

g. Names of waste haulers including your company transporting such wastes to this site, if a disposal site.

Houry Chemical Corporation — 778-8554
Name — Telephone

Route 78 — Burt — NY
Street — City — State

Time Periods such Hauler Transported to this Site Prior to Bancroft

M. Bancroft & Sons Enterprises — 433-4334
Name — Telephone

460 S. Niagara — Lockport — NY
Street — City — State

Time Periods such Other Transported to this Site

h. List Names and Addresses of other Companies using this Site, if a disposal site.

Unknown
Name of Company

Street — City — State

Time Periods such Other Company Used this Site

5. Identify all Treatment or Disposal Sites In Erie or Niagara County used since 1930 (use separate sheet for each site).

a. Name of Site Lockport Town Dump

b. Location ?

c. Owner or Operator Town of Lockport

d. Time Period Site was Used 1972 to date

e.

	Describe Waste Types Treated or Disposed at this Site	Physical State	Total Quantity 1-2-3 Unknown	Type of Containe If Any Fiber drums or cardboard boxes
(1)	Keetox & Oxylite waste	Solids	amount est.	
(2)	Starch-contaminated with peroxide	"	@ 1 cyd/wk.	"
(3)	Waste peroxide pastes	Paste		Plastic pails
(4)	Cardboard packaging materials, bags, fiber drums	Solids	~~(4-5)~~ 50-70 cyd/wk. est. total	loose
(5)	Food garbage	Solids		Plastic bags

f. Wastes Were [X] land disposed [ ] incinerated [ ] reclaimed [ ] treated [ ] other (specify) _____

g. Names of waste haulers including your company transporting such wastes to this site, if a disposal site.

M. Bancroft & Sons Enterprises
Name Telephone

Street City State

Time Periods such Hauler Transported to this Site _____

Name Telephone

Street City State

Time Periods such Hauler Transported to this Site _____

h. List Names and Addresses of other Companies using this Site, if a disposal site.

Name
Name of Company

Street City State

Time Periods such Other Company Used this Site _____

6-8
9/12

5. Identify all Treatment or Disposal Sites in Erie or Niagara County used since 1939 (use separate sheet for each site).

(6) a. Name of Site Landfill

b. Location Behind Bldg. #20

c. Owner or Operator Noury Chemical Corporation

d. Time Period Site was Used 1974-1975

e.

Describe Waste Types Treated or Disposed at this Site	Physical State	Total Quantity	Type of Container If Any
(1) Paste Waste	Semi-solid	2-10 pails	Plastic pail
(2) Benzoic acid sludge	Solid	2-5 pails	Plastic pail
(3) Oxylite waste, starch and DCP contaminated with peroxide	Solid	20 Cyd.	Fiber drums
(4) Phosphoric acid sludge	Solid	2-4 drums	55 gal. steel drum
(5)			

f. Wastes Were [XX] land disposed [ ] incinerated [ ] reclaimed [ ] treated [ ] other (specify)

g. Names of waste haulers including your company transporting such wastes to this site, if a disposal site.

*CCC internal operations only

Name Telephone

Street City State

Time Periods such Hauler Transported to this Site

Name Telephone

Street City State

Time Periods such Hauler Transported to this Site

h. List Names and Addresses of other Companies using this Site, if a disposal site.

Name

Name of Company

Street City State

Time Period such other Company Used this Site

III. Company Personnel

1. Name	Years of Service	Address	Telephone No.
E. W. Linke	1973 to present	958 Ridge Road Lewiston, NY 14092	754-8413
W. J. Monin	1966 - 1973	Unknown	
Joseph Passke	1955-1968	Unknown	
2. John A. Marotta	1968 to present	14 Remick Parkway Lockport, NY 14094	433-7200
Henry Harla	1955 - 1968	Unknown	
3. W. Coad	1969 to present	1307 Fairfax N. Tonawanda, NY 14120	694-4352
R. Horanburg	1957 to present	1980 Creekside Drive Burt, NY 14028	778-8035
R.McIntosh	1962 to present	6666 Wheeler Lockport, NY 14094	434-5886
F. Sherwin	1968 to present	59 Milrose St. Williamsville, NY 14221	632-7277
A. Harris	1968 to present	8735 Main St. Barker, NY 14012	795-3503
D. Horanburg	1973 to present	P.O. Box 146 Burt,NY 14028	778-7434
J. Dawson	1973 to present	8642 Jacob Place Niagara Falls, NY 14303	283-8065
J. Robinson	1977 to present	148 Locust St. Lockport, NY 14094	434-9254
L. Harshany	1975 to present	50 Williamstown Court Apartment #5 Cheektowaga, NY 14225	892-5375
R. Black	1955 - 1975	Unknown	
L. Lingenfelter	1973 - 1977	Unknown	
C. Mann	1966 - 1972	Unknown	
J. Younkins	1966 - 1972	Unknown	
K. Rupert	1967 - 1977	Unknown	
L. Burgess	1972 - 1974	Unknown	
S. Ayers	1970 - 1973	Unknown	
R. Otto	1968 - 1974	13713 Carriage Lane Houston, Texas 77058	(713) 333-[illegible]

G-8
11/12

3.	Gene Vollmer	1968-1972	Unknown
	George Parker	1966-1968	Unknown
	Norman Reed	1966-1968	Unknown
	J. Passke, Jr.	1966-1968	Unknown
	R. Kemp	1968-1970	Unknown

V. Sources of Information

Please indicate the sources of all information set forth in response to Questions IV. 4 and IV. 5 above. (Specify names of individuals and sources).

W. Coad

A. Fisher

R. McIntosh

E. Linke

15 (12/75)

Attachment 6-9 page 1 of 1

New York State Department of Environmental Conservation

MEMORANDUM

TO: Robert J. Mitrey
FROM: Ahmad Tayyebi AT
SUBJECT: Noury Chemical Corporation, Lockport-Olcott Road, Burt, New York
Site Code: 0932030
DATE: December 1, 1980

On August 13, 1980, the writer met with Mr. Richard McIntosh and Mr. Paul Gartelmann of the Noury Chemical Corporation. During this meeting it was revealed that Noury Chemical operates a temporary storage area and that they have landfilled a significant quantity of the organic peroxide waste in their property. Both of these areas were inspected by the writer on August 13, 1980, and during a subsequent visit on August 29, 1980, which lead to the following information:

Noury Chemical Corporation is engaged in manufacturing of organic peroxides. A major volume of the peroxide produced constitute the Benzoyl Peroxide and the Methyl Ethyl Ketone Peroxide. Products are also of two (2) different phases——solids and liquids which are stored separately in their proper storage compartments prior to shipment.

Storage Area:

Noury Chemical utilizes a temporary storage area for the waste produced in their various processes. This storage area is located in the north eastern side of the plant and contains the following waste:

180 drums of Benzoyl Peroxide sludge, 4500 lbs of paste and silicon waste contained in drums, some oil, oxylite and dicalsium phosphate. Paste waste is stored in covered plastic containers while oxylite and dicalsium phosphate are stored in open drums. I was informed by Mr. Gartelmann that 1200 drums of the sludge have already been shipped to SCA for secure landfilling. There has already been an attempt to send the remaining waste to CECOS. However, Noury Chemical is also investigating the possibility of caustic destruction or incineration of the paste waste.

Landfilled BPO Waste:

During 1978, upon a request by D.E.C., Noury Chemical dredged an approximately 580 cubic yards of Benzoyl Peroxide waste previously discharged and deposited in 18 Mile Creek. The dredged BPO silt contained 50% BPO when dried. It was landfilled in Noury Chemical's property, upon acquisition of a permit from D.E.C. (Perm # 932-09-0089) signed by Steven Doleski on September 13, 1977.

cag

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

Attachment 6-10 page 101

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 323
☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: Noury Chemical Corp	PICK-UP ADDRESS: Rt. 78 Burt N.Y.
TELEPHONE NUMBERS: 778-8554 / P.O. OR CONTRACT NO.: 23250	ORDER PLACED BY: Paul Gartelmann / DATE: 4/25/80
TYPE OF INDUSTRY (SIC NO.): / EMERGENCY PHONE #:	DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA Chem Services Model City N.Y.

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth + Gravel cont. w/ Benzoyl Peroxide	2536-A

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE: ☑ 55 Gallon DRUMS ☐ PALLETS OTHER (SPECIFY) ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% Dirt + Gravel		
2. <3% B.P.O		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chem. Services	BUSINESS ADDRESS: Balmer Rd Model City N.Y.
TELEPHONE NO.: 754-8231 / PICK-UP: 8:00 Am	TIMES: 11:20 AM ☐ A.M. ☐ P.M. / WASTE HAULER'S PERMIT NO.: 32-006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT x [signature] TITLE Driver DATE 4/25

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT x Paul Gartelmann TITLE Plant Chemist DATE 4/25/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 754-8231
PERMIT NO.: NY0072061 / VOLUME MEASURED AT SITE: 1 Drum / 55 gal	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:	

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT x [signature] TITLE Plant Manager DATE

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

2923

☒ SCA CHEMICAL WASTE SERVICES,INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY,N.Y. 14107

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

WORK ORDER: S-8722

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: NUART CHEMICAL CORP.

PICK-UP ADDRESS: RT 93 DIRT N.Y.

TELEPHONE NUMBERS: 175-5554

P.O. OR CONTRACT NO.: 23750

ORDER PLACED BY: DAVE GARTELMANN

DATE: 4/29/80

TYPE OF INDUSTRY (SIC NO.):

EMERGENCY PHONE #:

DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA CHEMICAL MODEL CITY N.Y.

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH & GRAVEL (NON HAZ)	2-36-M
BENZOYL PEROXIDE	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ 55 GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GAL DRUMS 215 ☐ PALLETS — OTHER (SPECIFY): ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% DIRT & GRAVEL		
2. <3% B.P.O.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY): 1 PICK

DOT CLASSIFICATIONS: —

NAME OF HAULER: SCA CHEMICAL SERVICES

BUSINESS ADDRESS: BALMER RD MODEL CITY N.Y.

TELEPHONE NO.: 731-5231

PICK-UP: 10 AM

TIMES: 4:30 P.M.

WASTE HAULER'S PERMIT NO.: 32006.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT: X [signature] — TITLE: — DATE: 4-29-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT: X [signature] — TITLE: PLANT CHEMIST — DATE: 11/25/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA

SITE ADDRESS: MODEL CITY N.Y.

EMERGENCY PHONE #: 7515231

PERMIT NO.: NY0072061

VOLUME MEASURED AT SITE:

IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT: X [signature] — TITLE: Plant Manager — DATE: 4/29/80

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

3 of 23

☒ SCA CHEMICAL WASTE SERVICES,INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY,N.Y. 14107

☒ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER
F87124

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
AMERICAN CHEMICAL CORP	DT 78 BURT N.Y.

TELEPHONE NUMBERS	P.O. OR CONTRACT NO.	ORDER PLACED BY	DATE
775-8554	23250	PAUL GARTELMANN	

TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
		SCA CHEMICAL SERVICES, MODEL CITY, NY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL CONT (W)	2536-A
BENZOYL PEROXIDE	

PHYSICAL STATE
☒ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME
☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE
☒ 55 GALLON DRUMS 44 ☐ PALLETS OTHER (SPECIFY)
☐ PH - LESS THAN 3
☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES
☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE
☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >99% DIRT + GRAVEL		
2. 23% B.P.O.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER	BUSINESS ADDRESS
SCA CHEMICAL SERVICES	BALMER RD MODEL CITY N.Y

TELEPHONE NO.	PICK-UP	TIMES	WASTE HAULER'S PERMIT NO.
754-8231	11:30 AM	2:00 PM ☐ A.M. ☐ P.M.	

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
		4-25-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
x Paul Gartelmann	PLANT CHEMIST	4/25/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem	Model City NY	754-8231

PERMIT NO.	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:
NY0072061		

TREATMENT OR RECOVERY PROCESS
☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
x	Plant Manager	4/29/80

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

☒ SCA CHEMICAL WASTE SERVICES,INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY,N.Y. 14107

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☒ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

WORK ORDER: 58722

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
NIAGARA CHEMICAL CORP	127 78 BURT N.Y.

TELEPHONE NUMBERS	P.O. OR CONTRACT NO.	ORDER PLACED BY	DATE
778-8554	23250	PAUL GARTELMANN	4/21/80

TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
		SCA CHEMICAL BALMER RD MODEL

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL CONTAM	2536-A
BENZOYL PEROXIDE	

PHYSICAL STATE: ☐ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GALLON DRUMS 4/4 ☐ PALLETS — OTHER (SPECIFY): — ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% DIRT + GRAVEL	1.75 Wt. EA	
2. < 3% B.P.O.		
3.		
4.		1 02.11

SPECIAL HANDLING INSTRUCTIONS (IF ANY):

DOT CLASSIFICATIONS:

NAME OF HAULER	BUSINESS ADDRESS
SCA CHEMICAL SERVICES	BALMER RD MODEL CITY N.Y.

TELEPHONE NO.	PICK-UP	TIMES	WASTE HAULER'S PERMIT NO.
754-8231	1:45 P.M.	11:30 P.M. ☐ A.M. ☐ P.M.	32006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X Daniel L Wilson	Driver	4-24-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X Paul Gartelmann	PLANT CHEMIST	4/24/80

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCHOLL	MODEL CITY N.Y.	754-8231

PERMIT NO.	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:
NY0072061		

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X	Plant Manager	4/25/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

5 of 23

[X] SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 58719
[ ] SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	[ ] SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: Marty Chemical Corp		PICK-UP ADDRESS: RT 78 Burt NY	
TELEPHONE NUMBERS: 778-8554	P.O. OR CONTRACT NO.: 23250	ORDER PLACED BY: Paul Gartelmann	DATE: 11/21/80
TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA Chemical Balmer Rd Model	

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth + Gravel Cont.	2536-A
Benzoyl Peroxide	

PHYSICAL STATE: [ ] SOLID [ ] LIQUID [ ] SLUDGE OTHER (SPECIFY)

BULK VOLUME: [ ] GALLONS [ ] TONS [ ] CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE: [X] 55 Gallon DRUMS 40 [ ] PALLETS OTHER (SPECIFY) [ ] PH - LESS THAN 3 [ ] PH - GREATER THAN 10

HAZARDOUS PROPERTIES: [ ] NONE [ ] TOXIC [ ] FLAMMABLE [ ] WATER-REACTIVE
[ ] STRONG SENSITIZER [ ] CORROSIVE OR IRRITANT [ ] AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% Dirt + Gravel		
2. < 3% B.P.O.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chemical Services		BUSINESS ADDRESS: Balmer Rd Model	
TELEPHONE NO.: 754-8231	PICK-UP	TIMES [ ] A.M. [ ] P.M.	WASTE HAULER'S PERMIT NO.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT x [signature] TITLE Driver DATE 4/24/80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT x Paul Gartelmann TITLE Plant Chemist DATE 4/21/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 754-8231
PERMIT NO.: NY0079061	VOLUME MEASURED AT SITE: 40 drums	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: [ ] TREATMENT [ ] SPREADING AREA [ ] SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT x [signature] TITLE Plant Manager DATE

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT 60/23

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 58721
☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: Noury Chemical Corp.
PICK-UP ADDRESS: Rt 78 Burt NY

TELEPHONE NUMBERS: 778 8554
P.O. OR CONTRACT NO.: 23250
ORDER PLACED BY: Paul Gattelman
DATE: 4/24/80

TYPE OF INDUSTRY (SIC NO.):
EMERGENCY PHONE #:
DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA Chemical Balmer Rd Model City NY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth & Gravel cont (w)	2036-A
Benzoyl Peroxide	

PHYSICAL STATE: ☐ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE: ☒ 55 Gallon DRUMS 46 ☐ PALLETS OTHER (SPECIFY) ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE
☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% Dirt & Gravel	1.75 [illegible]	[illegible]
2. < 3% B.P.O		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chemical Services
BUSINESS ADDRESS: Balmer Rd Model City NY

TELEPHONE NO.: 754-8231
PICK-UP: 8:00 AM
TIMES: 10:45 A.M. ☐ A.M. ☐ P.M.
WASTE HAULER'S PERMIT NO.: 32006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT: x Paul Gattelman
TITLE: Plant Chemist
DATE: 4/24/80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT: x Donald W [illegible]
TITLE: Driver
DATE: 4-24-80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem
SITE ADDRESS: Model City NY
EMERGENCY PHONE #: 754 8231

PERMIT NO.: NY0072061
VOLUME MEASURED AT SITE:
IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT: x [illegible]
TITLE: Plant Manager
DATE:

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

4923

[X] SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	[ ] SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 58720
[ ] SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	[ ] SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: NOURY CHEMICAL CORP		PICK-UP ADDRESS: RT 78 BURT N.Y	
TELEPHONE NUMBERS: 778-8554	P.O. OR CONTRACT NO.: 23250	ORDER PLACED BY: PAUL GARTELMANN	DATE: 11/24/80
TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY	

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL CONT (W) BENZOYL PEROXIDE	2536-A

PHYSICAL STATE: [ ] SOLID [ ] LIQUID [ ] SLUDGE OTHER (SPECIFY)

BULK VOLUME: [ ] GALLONS [ ] TONS [ ] CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE: [X] 55 GALLON DRUMS 44 [ ] PALLETS OTHER (SPECIFY) [ ] PH - LESS THAN 3 [ ] PH - GREATER THAN 10

HAZARDOUS PROPERTIES: [ ] NONE [ ] TOXIC [ ] FLAMMABLE [ ] WATER-REACTIVE [ ] STRONG SENSITIZER [ ] CORROSIVE OR IRRITANT [ ] AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% DIRT + GRAVEL	25% F	LEL
2. < 3% B.P.O.	10 [illegible]	[illegible]
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER: SCA CHEMICAL SERVICES		BUSINESS ADDRESS: BALMER RD MODEL CITY N.Y	
TELEPHONE NO.: 754-8231	PICK-UP: 1:40 P.M	TIMES: 3:50 P.M [ ] A.M. [ ] P.M.	WASTE HAULER'S PERMIT NO.: 32-006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	DRIVER	11/24/80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X Paul Gartelmann	PLANT CHEMIST	11/24/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 754-8231
PERMIT NO.: NY0072061	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: [ ] TREATMENT [ ] SPREADING AREA [ ] SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Plant Manager	

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION. **THE HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525

REGULATORY AGENCY

WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

8023

P... ICAL WASTE SERVICES,INC. (716) 754-8231 ...O, 1135 BALMER ROAD, MODEL CITY,N.Y. 14107

SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.

WORK ORDER 5 5 7 1 8

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
NOURY CHEMICAL CORP	RT 93 BURT N Y

TELEPHONE NUMBERS	P.O. OR CONTRACT NO.	ORDER PLACED BY	DATE
778-9554	23210	PAUL GARTTMANN	

TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
		SCA CHEM SERVICES MODEL CITY N.

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL CONT (LW)	2536-A
BENZOYL PEROXIDE	

PHYSICAL STATE
☒ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME
☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE
☒ 55 GAL. DRUMS 34 ☐ PALLETS OTHER (SPECIFY) ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES
☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE
☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% DIRT + GRAVEL	100 MAX	97.5
2. < 3% B.P.O.		
3.		TRCE
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER	BUSINESS ADDRESS
S.C.A. CHEM SERVICES	BAKER RD MODEL CITY NY 14107

TELEPHONE NO.	PICK-UP	TIMES	WASTE HAULER'S PERMIT NO.
754-8231		12:40 ☐ A.M. ☒ P.M.	37006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	DRIVER	4-23-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X Paul Gartlmann	PLANT CHEMIST	4/23/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem Waste	Model City NY	7545231

PERMIT NO.	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:
NYD 072061	24,150 LBS	

TREATMENT OR RECOVERY PROCESS
☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Plant Manager	

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

9 of 23

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107

☐ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER 55316

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
NORTH CHEMICAL CORP	RT 78 BUFF NY

TELEPHONE NUMBERS	P.O. OR CONTRACT NO.	ORDER PLACED BY	DATE
775-8554	23250	DAVE GARTELMANN	11/20/80

TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL (D)	2536-A
BARIUM PEROXIDE	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GALLON DRUMS 38 ☐ PALLETS — OTHER (SPECIFY): — ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% DIRT + GRAVEL	TRACE	
2. < 3% BPO		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY): 7 81.12

DOT CLASSIFICATIONS:

NAME OF HAULER	BUSINESS ADDRESS	
SCA CHEMICAL SERVICES	BALMER RD MODEL CITY NY	

TELEPHONE NO.	PICK-UP	TIMES	WASTE HAULER'S PERMIT NO.
754-8231		900 1100 ☐ A.M. ☐ P.M.	3700G

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	DRIVER	4-23-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	PLANT CHEMIST	4/23/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem	Model City NY	7548231

PERMIT NO.	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:
NY0072061	21,240 LBS	

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	Plant Manager	4/28/80

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

10023

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107

☒ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER: 58313

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
MOUNT CHEMICAL CORP	RT 78 BURT N.Y.
TELEPHONE NUMBERS / **P.O. OR CONTRACT NO.**	**ORDER PLACED BY** / **DATE**
378-8554 / 23250	PAUL CATTELMANN / 11/23/80
TYPE OF INDUSTRY (SIC NO.) / **EMERGENCY PHONE #**	**DESIGNATED DISPOSAL/RECOVERY FACILITY**
	SCA CHEMICAL SERVICES - MODEL CITY N.Y.

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL CONTAM (W)	2536-A
BENZOYL PEROXIDE	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GAL DRUMS 38 ☐ PALLETS — OTHER (SPECIFY): — ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% DIRT + GRAVEL		
2. < 3% B.P.O		
3.		
4.		7 PH

SPECIAL HANDLING INSTRUCTIONS (IF ANY):

DOT CLASSIFICATIONS:

NAME OF HAULER	BUSINESS ADDRESS
SCA CHEMICAL SERVICES	BALMER RD MODEL CITY N.Y.
TELEPHONE NO. / **PICK-UP**	**TIMES** / **WASTE HAULER'S PERMIT NO.**
741-9231	8:00 9:45 ☐ A.M. ☐ P.M. — 32006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X		4-23-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X Paul Cattelmann	PLANT CHEMIST	11/23/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
PERMIT NO. / **VOLUME MEASURED AT SITE**	**IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:**	

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X	Plant Manager	

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

11723

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

WORK ORDER: 58315

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: NOURY CHEMICAL CORP.	PICK-UP ADDRESS: RT. 78 BURT N.Y.
TELEPHONE NUMBERS: 778-8554	P.O. OR CONTRACT NO.: 23250
ORDER PLACED BY: DAN GARTELMANN	DATE: 4/23/80
TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #
DESIGNATED DISPOSAL/RECOVERY FACILITY	

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL CONT. (W)	2536-A
BENZOYL PEROXIDE	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GALLON DRUMS ☐ PALLETS — OTHER (SPECIFY): ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE

☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 99% DIRT + GRAVEL	1.5%	
2. < 3% B.P.O.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY):

DOT CLASSIFICATIONS:

NAME OF HAULER: SCA CHEMICAL SERVICES	BUSINESS ADDRESS: BALMER RD MODEL CITY N.Y.		
TELEPHONE NO.: 754-8231	PICK-UP: 1:00 P.M	TIMES: 3:00 P.M ☐ A.M. ☐ P.M.	WASTE HAULER'S PERMIT NO.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X		4-23-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X Paul Gartelmann	PLANT CHEMIST	4/23/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 754 8231	
PERMIT NO.: NY0072061	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:	

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X	Plant Manager	

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

☒ SCA CHEMICAL WASTE SERVICES,INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY,N.Y. 14107

☐ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER 55310

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME

PICK-UP ADDRESS

TELEPHONE NUMBERS

P.O. OR CONTRACT NO.

ORDER PLACED BY

DATE 4/5/90

TYPE OF INDUSTRY (SIC NO.)

EMERGENCY PHONE #

DESIGNATED DISPOSAL/RECOVERY FACILITY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.

PHYSICAL STATE
☒ SOLID ☐ LIQUID ☐ SLUDGE
OTHER (SPECIFY)

BULK VOLUME
☐ GALLONS ☐ TONS ☐ CUBIC YARDS
OTHER (SPECIFY)

CONTAINERIZED WASTE
☒ 55 GALLON DRUMS 4/0 ☐ PALLETS
OTHER (SPECIFY)
☐ PH - LESS THAN 3
☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES
☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE
☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☒ AIR-REACTIVE
OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97%		
2. < 3%		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER

BUSINESS ADDRESS

TELEPHONE NO. PICK-UP TIMES 9:45 11:30 ☐ A.M. ☐ P.M. WASTE HAULER'S PERMIT NO.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT X TITLE Driver DATE 4/6/90

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT X TITLE PLANT CHEMIST DATE 4/5/90

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME SCA Chem Waste

SITE ADDRESS Model City NY

EMERGENCY PHONE # 754-5231

PERMIT NO. NY0092061

VOLUME MEASURED AT SITE 11 cubic yards

IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS
☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA
OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT X TITLE Plant Manager DATE

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

13 of 23

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	☒ SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 58309
☒ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: [illegible] Chemical Corp		PICK-UP ADDRESS: Rt 78 Burt N.Y.	
TELEPHONE NUMBERS: 778-[illegible]	P.O. OR CONTRACT NO.: 23250	ORDER PLACED BY: Paul Gaertelmann	DATE: 4/8/80
TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA Chemical Services Model City	

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth + Gravel Con. (w)	3536-A
[illegible] Peroxide	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY)

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY)

CONTAINERIZED WASTE: ☒ 55 Gallon DRUMS 38 ☐ PALLETS — OTHER (SPECIFY) — ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 99 % Dirt + Gravel	7.5% [illegible]	[illegible]
2. < 1 % Benzoyl Peroxide	[illegible]	
3.		[illegible]
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chemical Services		BUSINESS ADDRESS: Balmer Rd Model City N.Y.	
TELEPHONE NO.: 754-8231	PICK-UP: 12:45 P.M.	TIMES: 2:30 P.M. ☐ A.M. ☒ P.M.	WASTE HAULER'S PERMIT NO.: 38 0106

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	[illegible]	4-8-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	[illegible]	[illegible]

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem Waste	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 7548231
PERMIT NO.: NY0072061	VOLUME MEASURED AT SITE: 38 drs	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	Plant Manager	

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525

REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST

SCA SERVICES, INC. • 60 STATE STREET • BOSTON, MA • (617) 423-4100

☒ CHEM-TROL POLLUTION SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, NY 14107

☐ SCA CHEMICAL WASTE SERVICES
EARTHLINE DIVISION • 100 LISTER AVE.
NEWARK, N.J. 07105 TEL. 201-465-9100

WORK ORDER No. 07692

☐ SOUTH CAROLINA SCA SERVICES, INC.
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ EARTHLINE COMPANY (217) 835-2931
P.O. BOX 38, WILSONVILLE, IL 62093

☐

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
[illegible] CHEMICAL CORP	[illegible]

TELEPHONE NUMBERS	P.O. OR CONTRACT NO.	ORDER PLACED BY	DATE
716-695-4	[illegible]	[illegible]	11/8/90

TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
		SCA [illegible]

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
FABRIC + GRAIN [illegible]	[illegible]
BINDER RESIDUE	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GALLON DRUMS 38 ☐ PALLETS — OTHER (SPECIFY): — ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% DIRT + GRAIN	[illegible]	
2. 3% BINDER RESIDUE	[illegible]	[illegible]
3.	[illegible]	[illegible]
4.	58311	[illegible]

SPECIAL HANDLING INSTRUCTIONS (IF ANY): SHIP [illegible]

DOT CLASSIFICATIONS:

NAME OF HAULER	BUSINESS ADDRESS
SCA CHEM SERVICES	[illegible]

TELEPHONE NO.	PICK-UP	TIMES	WASTE HAULER'S PERMIT NO.
754-8231	1:30	3:45 ☐ A.M. ☐ P.M.	50-006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Driver	11-5-90

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Plant Chemist	11/8/90

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem Waste	Model City NY	754-8231

PERMIT NO.	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:
11/NY0972067		

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Plant Manager	11/7/90

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

15 0723

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231, P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	☐ SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER
☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

NAME: Noury Chemical Corp

PICK-UP ADDRESS: Rt 18 Burt NY

TELEPHONE NUMBERS:

P.O. OR CONTRACT NO.: 3250

ORDER PLACED BY: Paul Gartelmann

DATE: 1/9/80

TYPE OF INDUSTRY (SIC NO.):

EMERGENCY PHONE #:

DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA Chemical Services Model City

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth, Gravel cont. (w)	2536-A
Benzoyl Peroxide	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY):

CONTAINERIZED WASTE: ☒ 55 GALLON DRUMS 39 ☐ PALLETS OTHER (SPECIFY): ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE

☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. 97% Dirt & Gravel		
2. <3% B.P.O.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chemical Services

BUSINESS ADDRESS: Balmer Rd Model City NY

TELEPHONE NO.: 754-8231

PICK-UP TIMES: 10:00 ☐ A.M. 3:45 ☐ P.M.

WASTE HAULER'S PERMIT NO.: 32006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT: x [signature] TITLE: Driver DATE: 4-9-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT: x Paul A Gartelmann TITLE: Asst Chemist DATE: 4/9/80

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: SCA Chem

SITE ADDRESS: Model City NY

EMERGENCY PHONE #: 754 8231

PERMIT NO: NY0072061

VOLUME MEASURED AT SITE: 39 drs

IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT: x [signature] TITLE: Plant Manager DATE:

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

[X] SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, ~~1135~~ BALMER ROAD, MODEL CITY, N.Y. 14107	SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 8312
[ ] SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	[ ] SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

NAME Noury Chemical Corp		PICK-UP ADDRESS [illegible] Burt N.Y.	
TELEPHONE NUMBERS 778 8554	P.O. OR CONTRACT NO. 3250	ORDER PLACED BY Paul Gartelmann	DATE 4/9/80
TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY SCA Chemical Services Model	

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth + Gravel cont (a)	2536-A
Benzoyl Peroxide	

PHYSICAL STATE: [X] SOLID [ ] LIQUID [ ] SLUDGE — OTHER (SPECIFY)

BULK VOLUME: [ ] GALLONS [ ] TONS [ ] CUBIC YARDS — OTHER (SPECIFY)

CONTAINERIZED WASTE: [X] 55 Gallon DRUMS [ ] PALLETS — OTHER (SPECIFY) — [ ] PH - LESS THAN 3 [ ] PH - GREATER THAN 10

HAZARDOUS PROPERTIES: [ ] NONE [ ] TOXIC [ ] FLAMMABLE [ ] WATER-REACTIVE
[ ] STRONG SENSITIZER [ ] CORROSIVE OR IRRITANT [ ] AIR-REACTIVE — OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% Dirt + Gravel		[illegible]
2. <3% B.P.O		[illegible]
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER SCA Chemical Services		BUSINESS ADDRESS Balmer Rd Model City N.Y.		
TELEPHONE NO. 754-8231	PICK-UP 8:30	TIMES 12:00	[ ] A.M. [ ] P.M.	WASTE HAULER'S PERMIT NO. 32-006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	Driver	9-9-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	Staff Chemist	4/9/80

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME SCA Chem Waste	SITE ADDRESS Model City NY	EMERGENCY PHONE # 754-8231
PERMIT NO. NY0072061	VOLUME MEASURED AT SITE 46 drs	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: [ ] TREATMENT [ ] SPREADING AREA [ ] SLF AREA — OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
x [signature]	Plant Manager	

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

17723

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231 P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107	SCA SERVICES, INC. (617) 367-8300 60 STATE ST., BOSTON MA.	WORK ORDER 58306
☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003 P.O. BOX 320, PINEWOOD, S.C. 29125	☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100 100 LISTER AVE., NEWARK, N.J. 07105	

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: Noury Chemical Corp		PICK-UP ADDRESS: [illegible]	
TELEPHONE NUMBERS: [illegible] 8554	P.O. OR CONTRACT NO.: 77250	ORDER PLACED BY: [illegible]	DATE: 4/ /80
TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY: [illegible]	

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
[illegible] Gravel [illegible]	[illegible] 36 [illegible]
[illegible]	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME: [illegible] ☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE: ☒ [illegible] Gallon DRUMS 38 ☐ PALLETS OTHER (SPECIFY) ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97% Dirt + Gravel		[illegible]
2. < 3% Benzoyl Peroxide		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY): [illegible]

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chemical Services		BUSINESS ADDRESS: Balmer Rd Model City NY	
TELEPHONE NO.: (716) 754-8231	PICK-UP: 7900	TIMES: 10:00 10:00 ☐ A.M. ☐ P.M.	WASTE HAULER'S PERMIT NO.: 32006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT: x [signature]	TITLE: [illegible]	DATE: 4-8-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT: x Paul K. Nachtman	TITLE: Plant Chemist	DATE: 4/8/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem Waste	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 7548231
PERMIT NO.: NYD072061	VOLUME MEASURED AT SITE: 38 drums	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY) [illegible]

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT: x [signature]	TITLE: Plant Manager	DATE:

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION. THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525

REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST — SCA SERVICES, INC. • 60 STATE STREET • BOSTON, MA • (617) 423-4100 — 18723

- [x] CHEM-TROL POLLUTION SERVICES, INC. (716) 754-8231, P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, NY 14107
- [ ] SCA CHEMICAL WASTE SERVICES, EARTHLINE DIVISION • 100 LISTER AVE. NEWARK, N.J. 07105 TEL. 201-465-9100
- WORK ORDER No. 07691
- [ ] SOUTH CAROLINA SCA SERVICES, INC. P.O. BOX 320, PINEWOOD, S.C. 29125
- [ ] EARTHLINE COMPANY (217) 835-2931, P.O. BOX 38, WILSONVILLE, IL 62093

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME: Noury Chemical Corp	PICK-UP ADDRESS: Burt N.Y.
TELEPHONE NUMBERS: 778 5554 / P.O. OR CONTRACT NO.: 23210	ORDER PLACED BY: Paul Gaertelmann / DATE: 4/3/80
TYPE OF INDUSTRY (SIC NO.) / EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY: SCA Chemical Services Model City NY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
Earth + Gravel cont (a)	5536-A
Benzoyl Peroxide	

PHYSICAL STATE: [x] SOLID [ ] LIQUID [ ] SLUDGE OTHER (SPECIFY)

BULK VOLUME: [ ] GALLONS [ ] TONS [ ] CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE: [x] 55 Gallon DRUMS [x] 38 PALLETS OTHER (SPECIFY) [ ] PH - LESS THAN 3 [ ] PH - GREATER THAN 10

HAZARDOUS PROPERTIES: [x] NONE [ ] TOXIC [ ] FLAMMABLE [ ] WATER-REACTIVE [ ] STRONG SENSITIZER [ ] CORROSIVE OR IRRITANT [ ] AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% Dirt + Gravel	[illegible]	[illegible]
2. <3% BPO		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY): 22.30

DOT CLASSIFICATIONS

NAME OF HAULER: SCA Chemical Services	BUSINESS ADDRESS: Balmer Rd Model City NY
TELEPHONE NO.: 754-8231 / PICK-UP	TIMES: 8:00 [ ] A.M. 10:00 [ ] P.M. / WASTE HAULER'S PERMIT NO.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT: x [signature] TITLE: Driver DATE: 4-3-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT: x [signature] TITLE: Lab Chemist DATE: 4/3/80

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME: SCA Chem	SITE ADDRESS: Model City NY	EMERGENCY PHONE #: 754-8231
PERMIT NO.: NYD000632000 / VOLUME MEASURED AT SITE: 38 drs / 30, 726-38	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:	

TREATMENT OR RECOVERY PROCESS: [ ] TREATMENT [ ] SPREADING AREA [ ] SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT: x [signature] TITLE: Plant Manager DATE: 4/10/80

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION. THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

HAZARDOUS WASTE MANIFEST — SCA SERVICES, INC. • 60 STATE STREET • BOSTON, MA • (617) 423-4100 — 14823

☒ CHEM-TROL POLLUTION SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, NY 14107

☐ SCA CHEMICAL WASTE SERVICES
EARTHLINE DIVISION • 100 LISTER AVE.
NEWARK, N.J. 07105 TEL. 201-465-9100

WORK ORDER No. 07694

☐ SOUTH CAROLINA SCA SERVICES, INC.
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ EARTHLINE COMPANY (217) 835-2931
P.O. BOX 38, WILSONVILLE, IL 62093 ☐

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
[illegible]	[illegible]
TELEPHONE NUMBERS / P.O. OR CONTRACT NO.	ORDER PLACED BY / DATE
[illegible] / [illegible]	PAUL GARTELMANN / 4/3/90
TYPE OF INDUSTRY (SIC NO.) / EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
	SCA CHEMICAL SERVICES MODEL CITY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
DIRT & GRAVEL CONT (W)	2536-A
BENZOYL PEROXIDE	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY)

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY)

CONTAINERIZED WASTE: ☒ 55 GALLON DRUMS ☐ PALLETS — OTHER (SPECIFY) — ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% DIRT & GRAVEL	[illegible]	[illegible]
2. <3% BENZOYL PEROXIDE	[illegible]	[illegible]
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY) —

DOT CLASSIFICATIONS —

NAME OF HAULER	BUSINESS ADDRESS
SCA CHEMICAL SERVICES	[illegible] MODEL CITY NY
TELEPHONE NO. / PICK-UP / TIMES	WASTE HAULER'S PERMIT NO.
754-8231 / 9:45 / 11:30 ☐ A.M. ☐ P.M.	32-006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	DRIVER	4-3-90

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	PLANT CHEMIST	4/3/90

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem Waste	Model City NY	7515231
PERMIT NO. / VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:	
NY0002061 / 42 DRS / 21,370 LBS		

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Plant Manager	4/6/90

THE **GENERATOR** SHALL RETURN COPY **2** OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY **3** AFTER DELIVERY.

525

HAZARDOUS WASTE MANIFEST — SCA SERVICES, INC. • 60 STATE STREET • BOSTON, MA • (617) 423-4100 — 20 of 23

☒ CHEM-TROL POLLUTION SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, NY 14107

☐ SCA CHEMICAL WASTE SERVICES
EARTHLINE DIVISION • 100 LISTER AVE.
NEWARK, N.J. 07105 TEL. 201-465-9100

WORK ORDER No. 07693

☐ SOUTH CAROLINA SCA SERVICES, INC.
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ EARTHLINE COMPANY (217) 835-2931
P.O. BOX 38, WILSONVILLE, IL 62093 ☐

NAME	PICK-UP ADDRESS
[illegible]	[illegible]
TELEPHONE NUMBERS / P.O. OR CONTRACT NO.	ORDER PLACED BY / DATE
[illegible] / 3350	[illegible] / 4/3/80
TYPE OF INDUSTRY (SIC NO.) / EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
	[illegible]

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH & GRAVEL FROM [illegible]	2536-A
[illegible]	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY):

BULK VOLUME: ☐ GALLONS ☐ TONS ☐ CUBIC YARDS — OTHER (SPECIFY):

CONTAINERIZED WASTE: ☐ 55 GALLON DRUMS 40 ☐ PALLETS — OTHER (SPECIFY):

☐ PH - LESS THAN 3
☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY):

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. >97% DIRT & GRAVEL	[illegible]	2250
2. [illegible]		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY): [illegible]

DOT CLASSIFICATIONS: —

NAME OF HAULER	BUSINESS ADDRESS
SCA [illegible]	[illegible]
TELEPHONE NO. / PICK-UP	TIMES / WASTE HAULER'S PERMIT NO.
754-9231	3:00 ☐ A.M. ☐ P.M. / 32006

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Driver	4-3-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	PLANT CHEMIST	11/3/80

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem-Trol	Model City NY	754-5231
PERMIT NO. / VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:	
NY 0072061 / 40 DRUMS / 31,150 LBS		

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY):

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X [signature]	Plant Manager	4/10/80

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

21723

☒ SCA CHEMICAL WASTE SERVICES, INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY, N.Y. 14107

☒ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS

TELEPHONE NUMBERS	P.O. OR CONTRACT NO.	ORDER PLACED BY	DATE

TYPE OF INDUSTRY (SIC NO.)	EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.

PHYSICAL STATE
☒ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME
☒ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE
☒ 55 GALLON DRUMS ☐ PALLETS OTHER (SPECIFY)
☐ PH - LESS THAN 3
☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES
☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE
☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1.		
2.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER	BUSINESS ADDRESS

TELEPHONE NO.	PICK-UP	TIMES ☐ A.M. ☐ P.M.	WASTE HAULER'S PERMIT NO.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X		

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X		

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem Waste	Model City NY	754 5231

PERMIT NO.	VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:
NY0007206	40 drms.	

TREATMENT OR RECOVERY PROCESS
☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X	Plant Manager	

THE GENERATOR SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE GENERATOR AND WASTE DESCRIPTION PORTION.
THE HAULER SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

☒ SCA CHEMICAL WASTE SERVICES,INC. (716) 754-8231
P.O. BOX 200, 1125 BALMER ROAD, MODEL CITY,N.Y. 14107

☒ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME

PICK-UP ADDRESS

TELEPHONE NUMBERS

P.O. OR CONTRACT NO.

ORDER PLACED BY

DATE

TYPE OF INDUSTRY (SIC NO.)

EMERGENCY PHONE #

DESIGNATED DISPOSAL/RECOVERY FACILITY

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.

PHYSICAL STATE
☐ SOLID ☐ LIQUID ☐ SLUDGE OTHER (SPECIFY)

BULK VOLUME
☐ GALLONS ☐ TONS ☐ CUBIC YARDS OTHER (SPECIFY)

CONTAINERIZED WASTE
☒ 55 GALLON DRUMS ☐ PALLETS OTHER (SPECIFY) ☐ PH - LESS THAN 3 ☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES
☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE
☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1.		
2.		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER

BUSINESS ADDRESS

TELEPHONE NO.

PICK-UP

TIMES ☐ A.M. ☐ P.M.

WASTE HAULER'S PERMIT NO.

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT

TITLE

DATE

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT

TITLE

DATE

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME

SITE ADDRESS

EMERGENCY PHONE #

PERMIT NO.

VOLUME MEASURED AT SITE

IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:

TREATMENT OR RECOVERY PROCESS
☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT

TITLE

DATE

THE **GENERATOR** SHALL RETURN COPY 2 OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY 3 AFTER DELIVERY.

525 REGULATORY AGENCY

HAZARDOUS WASTE MANIFEST TO ACCOMPANY THE SHIPMENT

238723

☒ SCA CHEMICAL WASTE SERVICES,INC. (716) 754-8231
P.O. BOX 200, 1135 BALMER ROAD, MODEL CITY,N.Y. 14107

☒ SCA SERVICES, INC. (617) 367-8300
60 STATE ST., BOSTON MA.

WORK ORDER

☐ SOUTH CAROLINA SCA SERVICES, INC. (803) 452-5003
P.O. BOX 320, PINEWOOD, S.C. 29125

☐ SCA CHEMICAL SERVICES, EARTHLINE DIVISION (201) 465-9100
100 LISTER AVE., NEWARK, N.J. 07105

GENERATOR OF WASTE (MUST BE FILLED IN BY PRODUCER)

NAME	PICK-UP ADDRESS
[illegible]	[illegible]
TELEPHONE NUMBERS / P.O. OR CONTRACT NO.	ORDER PLACED BY / DATE
[illegible]	[illegible] / 3
TYPE OF INDUSTRY (SIC NO.) / EMERGENCY PHONE #	DESIGNATED DISPOSAL/RECOVERY FACILITY
	[illegible]

DESCRIPTION OF WASTE

TYPE OF WASTE	DISPOSAL FACILITY CODE NO.
EARTH + GRAVEL [illegible]	2556 A
[illegible]	

PHYSICAL STATE: ☒ SOLID ☐ LIQUID ☐ SLUDGE — OTHER (SPECIFY)

BULK VOLUME: ☐ GALLONS ☐ [illegible] TONS ☐ CUBIC YARDS — OTHER (SPECIFY)

CONTAINERIZED WASTE: ☒ [illegible]-DRUMS ☐ [illegible] PALLETS — OTHER (SPECIFY)

☐ PH - LESS THAN 3
☐ PH - GREATER THAN 10

HAZARDOUS PROPERTIES: ☐ NONE ☐ TOXIC ☐ FLAMMABLE ☐ WATER-REACTIVE ☐ STRONG SENSITIZER ☐ CORROSIVE OR IRRITANT ☐ AIR-REACTIVE — OTHER (SPECIFY)

MAJOR COMPONENTS (EX. HYDROCHLORIC ACID LEAD, LIME, CRUDE OIL)	CONCENTRATIONS: (% OR PPM) UPPER	LOWER
1. > 97 % DIRT + GRAVEL		
2. < 3 % [illegible] PEROXIDE		
3.		
4.		

SPECIAL HANDLING INSTRUCTIONS (IF ANY)

DOT CLASSIFICATIONS

NAME OF HAULER	BUSINESS ADDRESS
SCA CHEMICAL SERVICES	[illegible]
TELEPHONE NO. / PICK-UP	TIMES / WASTE HAULER'S PERMIT NO.
754-8231 / [illegible]	[illegible] A.M. ☐ P.M. ☐ / 32005

WE CERTIFY THAT THE DESCRIBED WASTE WILL BE DELIVERED TO THE DISPOSAL FACILITY NAMED ABOVE

SIGNATURE OF HAULER OR AUTHORIZED AGENT	TITLE	DATE
X [illegible]	Driver	3-24-80

WE CERTIFY THAT THE ABOVE DESCRIBED WASTE WAS DELIVERED TO THE HAULER NAMED HEREIN FOR DISPOSAL AT THE SITE NAMED ABOVE

SIGNATURE OF GENERATOR OR AUTHORIZED AGENT	TITLE	DATE
X [illegible]	[illegible]	[illegible]

DISPOSER OF WASTE (MUST BE FILLED IN BY DISPOSER)

NAME	SITE ADDRESS	EMERGENCY PHONE #
SCA Chem. Waste	Model City NY	754-8231
PERMIT NO. / VOLUME MEASURED AT SITE	IF WASTE IS TO BE HELD FOR DISPOSAL ELSEWHERE, SPECIFY FINAL LOCATION:	
NYD072061 / 45 drs.		

TREATMENT OR RECOVERY PROCESS: ☐ TREATMENT ☐ SPREADING AREA ☐ SLF AREA — OTHER (SPECIFY)

WE CERTIFY THAT THE HAULER NAMED ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY.

SIGNATURE OF DISPOSER OR AUTHORIZED AGENT	TITLE	DATE
X [illegible]	Plant Manager	3/31/80

THE **GENERATOR** SHALL RETURN COPY **2** OF THIS MANIFEST AFTER COMPLETING THE **GENERATOR** AND **WASTE DESCRIPTION** PORTION.
THE **HAULER** SHALL RETAIN COPY **3** AFTER DELIVERY.

525 REGULATORY AGENCY

Sectio: 7

EA Communications
Print Shop

7. SITE DATA

7.1 SITE AREA SURFACE FEATURES

The Noury Chemical Corporation is located in Burt, New York, just off Route 78. It is bordered by Route 78 to the west, Transit Road to the east, a ConRail right-of-way to the north, and Drake Road to the south. The site is approximately 100 acres in size and slopes gently from the southeast (elevation 338) to the northwest (elevation 320). Several swales traverse the site from south to north towards the railroad right-of-way, and drainage is through these swales and northwest toward Eighteen Mile Creek. The property is open and neatly laid out, with some 20 small buildings (for manufacturing and storing chemical products), which are widely spaced. Also part of the manufacturing facility are a small fire pond and several above-ground chemical storage tanks. The surrounding land use is residential to the northwest and west and agricultural or natural (all field) on all other sides. A site sketch was presented (Attachment 7.1-1).

7.2 SITE HYDROGEOLOGY

The site is located on the lake plain of Lake Ontario in the Eastern Section of the Central Lowland Physiographic Province. This nearly level lake plain slopes northward at about 20 feet/mile. The lake plain in the site vicinity is comprised of glacial lake deposits and till and is underlain by interbedded shale, sandstone, and siltstone of the Ordovician Queenston Formation. The bedrock strata dip southward at about 30 feet/mile.

The bedrock surface in the area is generally on the order of 30-40 feet deep. Foundation borings onsite have penetrated to depths of 20 feet (Attachments 7.2-1 through 7.2-5). In these borings, till was encountered below depths of 11-16 feet. The till consists of silt with varying amounts of embedded sand and gravel. It is overlain by 1-5 feet of interbedded sand, gravel, and silt, which is in turn overlain by 5-10 feet of silt and sandy silt.

Depth to the water table is on the order of 5-7 feet. However, available data are insufficient to estimate a gradient.

7.3 SUMMARY OF PAST SAMPLING AND ANALYSIS

Ground Water

One well on the site itself has been routinely sampled and analyzed for COD. From 1980 to 1982, values ranged from 2.0 to 18 mg/l (Attachment 7.3-1). No other analytical data are known to exist.

Surface Water

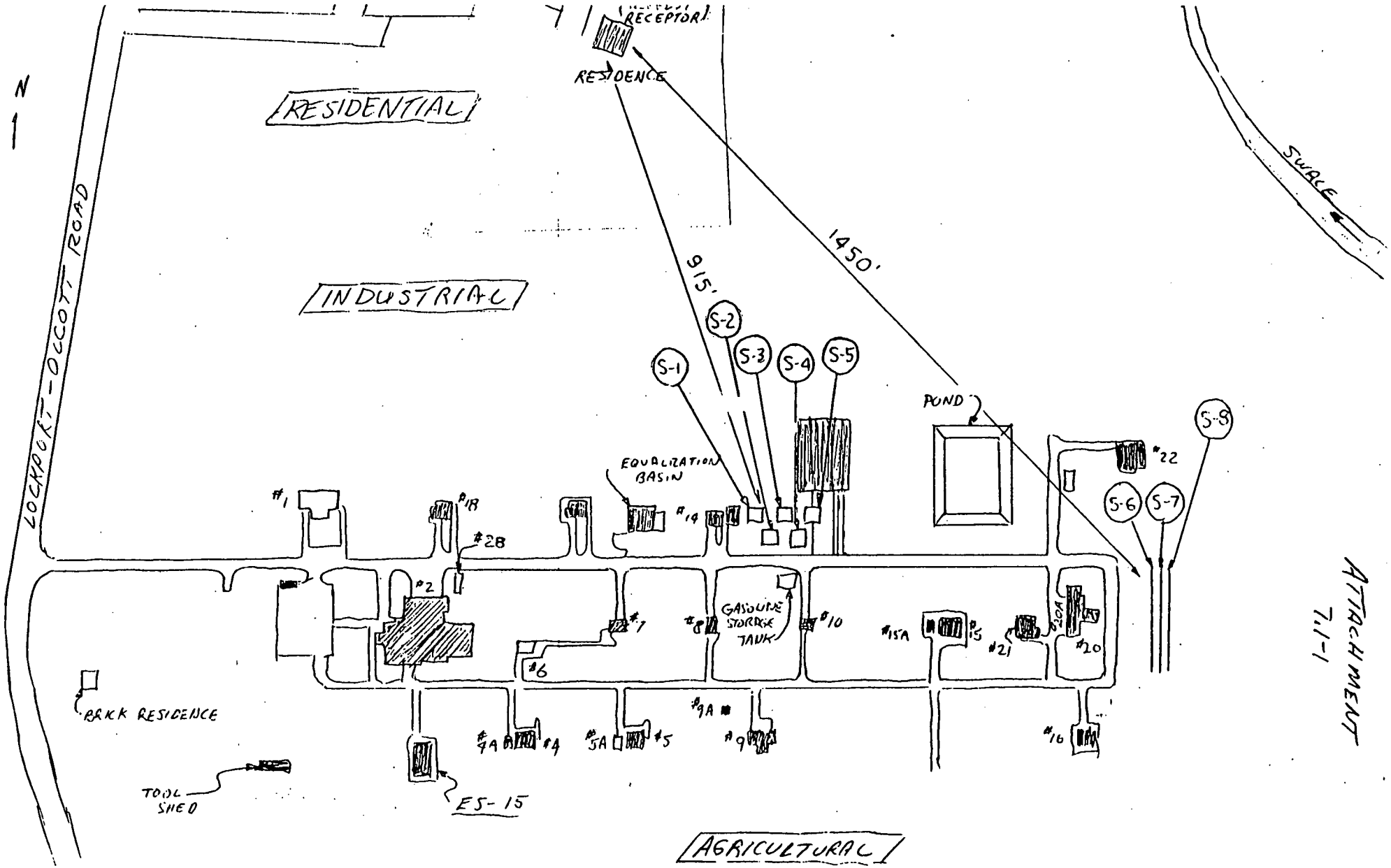
One storm sewer on the north side of the site has been routinely sampled and analyzed for COD. From 1980 to 1982, values ranged from 1.6 to 1,111.0 mg/l (Attachment 7.3-1). No other analytical data are known to exist.

Air

No data are known to exist.

Soil

A trace amount of unidentified chlorinated organic compound was detected in soil samples taken from the site, but this amount was at the detection limit of the analysis (Attachment 7.3-2).



ATTACHMENT 7.1-1

SUBSURFACE EXPLORATION

SOIL
AND
CONCRETE
TESTING

MEMBER · AMERICAN SOCIETY FOR TESTING & MATERIALS

Attachment 7.2-1

3.10

EMPIRE SOILS INVESTIGATIONS, INC.

GROTON • BUFFALO • ROCHESTER • SYRACUSE • ALBANY

BUFFALO AREA OFFICE:
S-3858 SHELDON ROAD / P. O. BOX 229, ORCHARD PARK, NEW YORK 14127
AREA CODE 716 649-8110

July 16, 1971

JUL 19 1971

Noury Chemical Company
2153 Lockport Alcott Road
Burt, New York 14028

Attention: Mr. John Younkins

Re: Noury Chemical Company
Burt, New York

Gentlemen:

Enclosed please find three (3) copies of Subsurface Logs for the borings obtained at the subject site on July 10, 1971.

An analysis of the borings indicates that, assuming undisturbed conditions, the allowable net soil bearing pressure at and below a depth of 4 feet varies from 2000 pounds per square foot to 5000 pounds per square foot. We caution that the silty fine grained soils typically encountered at the site are extremely sensitive to disturbances from construction activities in the presence of excess moisture. Ground water appears at a depth of 6 to 8 feet beneath grade. Heavy construction equipment working in close proximity to the ground water table could cause excessive disturbance of the subgrade soils.

We have appreciated being of service in this connection. Do not hesitate to call if you have any questions regarding the borings and this letter.

Very truly yours,

EMPIRE SOILS INVESTIGATIONS, INC.

Bent L. Thomsen, P. E.

BLT:bjj
Enc.

CONFIDENTIAL

PITTSBURGH TESTING LABORATORY · ENGINEERS AND CHEMISTS · ANALYSIS · INSPECTION · TESTING · RESEARCH

REPORT

TEST BORINGS

PROPOSED INFLUENT WELL

[redacted]

PITTSBURGH TESTING LABORATORY

FIELD SERVICES

MILL, SHOP AND FIELD ERECTION OF STEEL BUILDINGS AND BRIDGES. INSPECTION OF PLACING OF CONCRETE AND REINFORCING STEEL. FIELD LABORATORY CONTROL OF CONCRETE. WELDING INSPECTION. SOIL TESTING AND FOUNDATION INVESTIGATIONS. CORE DRILLING. SOIL LOAD TESTS. FLOOR LOAD TESTS. DUST SURVEYS. COMPLETE MATERIAL AND EQUIPMENT INSPECTION SERVICE. INSPECTION OF RAILROAD CARS, TRACK AND ACCESSORIES.

LABORATORY SERVICES

PHYSICAL TESTING. CHEMICAL ANALYSES. METALLURGICAL INVESTIGATIONS. WELDER QUALIFICATION. SPECTROGRAPHIC ANALYSES. TESTING OF CONCRETE, CONCRETE MATERIALS AND CONCRETE PRODUCTS, INCLUDING FREEZE-THAW TESTS. CALIBRATION OF TESTING MACHINES AND WEIGHING DEVICES.

CERTIFICATION AND LABELING SERVICES

MOBILE HOMES, MODULAR HOUSING, INDUSTRIALIZED BUILDING, COMPONENT BUILDING PRODUCTS — PLYWOOD AND OTHER FOREST PRODUCTS.

SPECIAL TEST SERVICES

THERMAL CONDUCTIVITY OF INSULATING MATERIALS. AIR INFILTRATION TESTS OF WINDOWS. ACCELERATED WEATHERING OF PAINTS AND FINISHES. DIELECTRIC TESTING.

NON-DESTRUCTIVE TEST SERVICES

COMPLETE LABORATORY AND MOBILE UNIT SERVICE. RADIOGRAPHY WITH X-RAY AND GAMMA-RAY. MAGNETIC PARTICLE. LIQUID PENETRANT AND ULTRASONIC INSPECTION. MASS SPECTROMETER LEAK DETECTION.

PITTSBURGH TESTING LABORATORY

ALBANY ○ ATLANTA ○ BATON ROUGE ○ BIRMINGHAM ○ BOSTON ○ BUFFALO ○ CHATTANOOGA ○ CHICAGO ○ CLEVELAND
COLUMBIA, S. C. ○ DALLAS ○ DETROIT ○ DURHAM ○ EUGENE ○ GREENSBORO ○ HOUSTON ○ INDIANAPOLIS ○ JACKSONVILLE
KNOXVILLE ○ LOUISVILLE ○ MEMPHIS ○ MIAMI ○ MILWAUKEE ○ MORGAN CITY ○ NASHVILLE ○ NEW ORLEANS ○ NEW YORK
PHILADELPHIA ○ PITTSBURGH ○ PORTLAND ○ ROANOKE ○ ST. LOUIS ○ SALT LAKE CITY ○ SAN FRANCISCO ○ SEATTLE ○ SPOKANE
SYRACUSE ○ TAMPA ○ TULSA ○ WEST PALM BEACH ○ WINSTON-SALEM

SLC-807-S (REV.) 2/8/59

PITTSBURGH TESTING LABORATORY

P.O. 14999

LOG OF BORING

Job No. BF-8200

Client NOURY CHEMICAL CO., BURT, NEW YORK

Project PROPOSED INFLUENT WELL

Location of Boring:	35' E. AND 3' S. OF MANHOLE NO. 5
Water Level	-5.0'
Time	COMPLETION OF BORING
Date	8-24-77

Boring No. 1 Date 8-30-77 Sheet 1 of 1

Type of Boring S. STEM Rig B40L

Casing used - Size - Drilling mud used -

Boring begun 8-24-77 Boring completed 8-24-77

Ground Elevation GRADE referred to _____ Datum

Field Party: DOAK & HOLT

Depth of Casing, ft.	Sample No.	Sample depth from-to (in feet)	Blows/foot on Sampler	ID of Sampler (inches)	Tot. length of recov. sample	Length of Lab. sample	DEPTH IN FEET	SOIL GRAPH	DESCRIPTION
				PEN.	TESTS		0		
									-0.5' CRUSHED STONE
							1		BROWN FINE SAND AND SILT,
	1	.5 2.0	6	1/6	2/6	4/6			TRACE OF CLAY
							2		-2.4'
							3		LOOSE TO MEDIUM FINE BROWN
	2	3.0 4.5	10	2/6	4/6	6/6			SILTY SAND WITH THIN CLAY LAYERS
							4		
							5		-5.2'
									MEDIUM BROWN SILT WITH
	3	5.5 7.0	17	4/6	7/6	10/6	6		BROWN FINE SILTY SAND LENSES.
							7		-7.7'
							8		STIFF TO VERY STIFF BROWN SILTY
	4	8.0 9.5	16	7/6	9/6	7/6	9		CLAY, TRACE OF GRAVEL
							10		-9.9'
							11		MEDIUM BROWN SANDY SILT,
	5	10.5 12.0	20	7/6	9/6	11/6	12		TRACE OF FINE GRAVEL
							13		
							14		-14.4'
							15		DENSE BROWN FINE SILTY
	6	15.0 16.5	41	12/6	17/6	24/6	16		SAND, SOME GRAVEL
							17		(WET)
							18		-17.9'
									VERY DENSE FINE BROWN
	7	18.5 20.0	71	17/6	32/6	39/6	19		SILTY SAND, SOME GRAVEL
							20		-20.0'
							21		BORING TERMINATED

Engineer _____

SLC-807-S (REV.) 2/5/59

PITTSBURGH TESTING LABORATORY

P.O. 14999

LOG OF BORING

Job No. BF-8200

Client NOURY CHEMICAL CO., BURT, NEW YORK

Project PROPOSED INFLUENT WELL

Location of Boring:	25' E. AND 3' N. OF MANHOLE NO. 5
Water Level	-4.5'
Time	COMPLETION OF BORING
Date	8-25-77

Boring No. 2 Date 8-30-77 Sheet 1 of 1

Type of Boring S. STEM Rig B40L

Casing used - Size - Drilling mud used -

Boring begun 8-25-77 Boring completed 8-25-77

Ground Elevation GRADE referred to ____ Datum

Field Party: DOAK & HOLT

Depth of Casing, ft.	Sample No.	Sample depth from-to (in feet)	Blows/foot on Sampler	ID of Sampler (inches)	Tot. length of recov. sample	Length of Lab. sample	DEPTH IN FEET	SOIL GRAPH	DESCRIPTION
				PEN. TESTS			0		-0.6' BROWN SANDY TOPSOIL
	1	.5 2.0	7	3/6	3/6	4/6	1		LOOSE TO MEDIUM
							2		BROWN FINE SILTY
	2	3.0 4.5	15	5/6	7/6	8/6	3		SAND,
							4		
							5		TRACES OF THIN CLAY LENSES.
	3	5.5 7.0	20	5/6	8/6	12/6	6		
							7		-7.4' MEDIUM BROWN SILTY
	4	8.0 9.5	20	7/6	8/6	12/6	8		SAND AND GRAVEL
							9		
							10		-10.2' (WET)
							11		VERY STIFF TO HARD
	5	10.5 12.0	30	7/6	13/6	17/6	12		BROWN SILTY CLAY,
							13		SOME GREY SILT/CLAY LENSES,
							14		TRACES OF FINE GRAVEL.
							15		-13.4' MEDIUM TO DENSE
	6	15.0 16.5	27	10/6	13/6	14/6	16		BROWN FINE SILTY
							17		
							18		SAND,
							19		SOME GRAVEL
	7	18.5 20.0	46	18/6	21/6	25/6	20		-20.0' BORING TERMINATED
							21		

Engineer ____

PLC-807-5 (REV.) 2/8/59

PITTSBURGH TESTING LABORATORY

P.O. 14999

LOG OF BORING

Job No. BF-8200

Client NOURY CHEMICAL CO., BURT, NEW YORK

Project PROPOSED INFLUENT WELL

Location of Boring: 40' E. AND 10' NORTH OF MANHOLE NO. 5

Water Level	-4.80'
Time	COMPLETION OF BORING
Date	8-24-77

Boring No. 3 Date 8-30-77 Sheet 1 of 1

Type of Boring S. STEM Rig B40L

Casing used - Size - Drilling mud used -

Boring begun 8-24-77 Boring completed 8-24-77

Ground Elevation GRADE referred to _____ Datum

Field Party: DOAK & HOLT

Depth of Casing, ft.	Sample No.	Sample depth from-to (in feet)	Blows/foot on Sampler	ID of Sampler (inches)	Tot. length of recov. sample	Length of Lab. sample	DEPTH IN FEET	SOIL GRAPH	DESCRIPTION
				PEN. TESTS			0		-0.4' CRUSHED STONE
	1	.5 2.0	6	2/6	2/6	4/6	1		DARK BROWN SILT & FINE SAND, TRACES OF ORGANIC SILT AND VEGETATION
							2		-1.5' LOOSE BROWN FINE SAND AND SILT WITH SMALL CLAY LENSES. -2.7'
	2	3.0 4.5	13	4/6	6/6	7/6	3		MEDIUM BROWN FINE SILTY SAND WITH THIN CLAY LENSES.
							4		
							5		-5.2'
	3	5.5 7.0	18	6/6	9/6	9/6	6		MEDIUM BROWN FINE SAND LAYERED WITH SILT.
							7		-7.6'
	4	8.0 9.5	21	6/6	12/6	9/6	8		MEDIUM BROWN FINE SILTY SAND, TRACE OF GRAVEL AND BROWN SILT LENSES.
							9		-9.9' (MOIST TO WET)
							10		MEDIUM BROWN SANDY SILT WITH SOME GREY AND BROWN SILT LENSES, TRACE OF GRAVEL.
	5	10.5 12.0	14	4/6	7/6	7/6	11		
							12		(WET)
							13		-13.9'
							14		DENSE BROWN FINE SILTY SAND, SOME GRAVEL.
	6	15.0 16.5	35	13/6	15/6	20/6	15		
							16		
							17		
							18		
							19		
	7	18.5 20.0	45	15/6	21/6	24/6	20		-20.0' BORING TERMINATED
							21		

Engineer _____

SLC-807-S (REV.) 2/8/59

PITTSBURGH TESTING LABORATORY

P.O. 14999

LOG OF BORING

Job No. BF-8200

Client NOURY CHEMICAL CO., BURT, NEW YORK

Project PROPOSED INFLUENT WELL

Location of Boring:	32' W. AND 5' N. OF EXISTING HYDRANT 7
Water Level	-7.7'
Time	COMPLETION OF BORING
Date	8-25-77

Boring No. 4 Date 8-30-77 Sheet 1 of 2

Type of Boring S. STEM Rig B40L

Casing used - Size - Drilling mud used -

Boring begun 8-25-77 Boring completed 8-25-77

Ground Elevation GRADE referred to _____ Datum

Field Party: DOAK & HOLT

Depth of Casing, ft.	Sample No.	Sample depth from-to (in feet)	Blows/foot on Sampler	ID of Sampler (inches)	Tot. length of recov. sample	Length of Lab. sample	DEPTH IN FEET	SOIL GRAPH	DESCRIPTION
			PEN. TESTS				0		
									-0.7' DARK BROWN SANDY TOPSOIL
	1	.5 2.0	5	2/6	2/6	3/6	1		LOOSE FINE BROWN SILTY SAND
							2		-2.6'
	2	3.0 4.5	7	3/6	3/6	4/6	3		LOOSE BROWN FINE SAND AND SILT, TRACES OF THIN CLAY LENSES.
							4		
							5		-5.4'
	3	5.5 7.0	33	11/6	15/6	18/6	6		DENSE BROWN FINE SILTY SAND
							7		-7.8'
	4	8.0 9.5	27	8/6	13/6	14/6	8		MEDIUM TO DENSE BROWN FINE SILTY SAND, SOME GRAVEL
							9		
							10		
	5	10.5 12.0	47	11/6	23/6	24/6	11		(WET)
							12		
							13		
							14		-14.3'
	6	15.0 16.5	95	30/6	45/6	50/6	15		VERY DENSE BROWN SANDY SILT, SOME FINE TO MEDIUM GRAVEL
							16		
							17		-17.6'
							18		DENSE TO VERY DENSE
							19		
							20		
							21		

Engineer _____

SLC-807-S (REV.) 2/5/59

PITTSBURGH TESTING LABORATORY

LOG OF BORING

Job No. BF-8200

Client

Project

Location of Boring:	
Water Level	
Time	
Date	

Boring No. 4 Date Sheet 2 of 2

Type of Boring Rig

Casing used Size Drilling mud used

Boring begun Boring completed

Ground Elevation referred to Datum

Field Party:

Depth of Casing, ft.	Sample No.	Sample depth from-to (in feet)	Blows/foot on Sampler	ID of Sampler (inches)	Tot. length of recov. sample	Length of Lab. sample	DEPTH IN FEET	SOIL GRAPH	DESCRIPTION
							20		Soil type, color, texture, consistency, sampler driving notes, blows per foot on casing, depths wash water lost, observed fluctuations in water level, notes on drilling ease, etc.
		20.0		10	18	25			BROWN FINE SILTY
	7	21.5	43	6	6	6	21		SAND
							22		SOME FINE GRAVEL
							23		
							24		
		24.0		25	63	101			
	8	25.5	164	6	6	6	25		-25.5'
							6		BORING TERMINATED
							7		
							8		
							9		
							30		
							1		
							2		
							3		
							4		
							5		
							6		
	3/NOURY CHEMICAL CO.						7		
	DV						8		
							9		
							40		
							1		

PITTSBURGH TESTING LABORATORY

J. GENTILE, MANAGER
BUFFALO DISTRICT

Engineer

SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP SYMBOLS	TYPICAL NAMES
COARSE GRAINED SOILS (More than 50% of material is LARGER than No. 200 sieve size)	GRAVELS (More than 50% of coarse fraction is LARGER than the No. 4 sieve size)	CLEAN GRAVELS (Little or no fines)	GW	Well graded gravels, gravel - sand mixtures, little or no fines.
			GP	Poorly graded gravels or gravel - sand mixtures, little or no fines.
		GRAVELS WITH FINES (Appreciable amt. of fines)	GM	Silty gravels, gravel - sand - silt mixtures.
			GC	Clayey gravels, gravel - sand - clay mixtures.
	SANDS (More than 50% of coarse fraction is SMALLER than the No. 4 sieve size)	CLEAN SANDS (Little or no fines)	SW	Well graded sands, gravelly sands, little or no fines.
			SP	Poorly graded sands or gravelly sands, little or no fines.
		SANDS WITH FINES (Appreciable amt. of fines)	SM	Silty sands, sand-silt mixtures.
			SC	Clayey sands, sand-clay mixtures.
FINE GRAINED SOILS (More than 50% of material is SMALLER than No. 200 sieve size)	SILTS AND CLAYS (Liquid limit LESS than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit GREATER than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS			Pt	Peat and other highly organic soils.

BOUNDARY CLASSIFICATIONS: Soils possessing characteristics of two groups are designated by combinations of group symbols.

PARTICLE SIZE LIMITS

SILT OR CLAY	SAND			GRAVEL		COBBLES	BOULDERS
	FINE	MEDIUM	COARSE	FINE	COARSE		

No. 200 No. 40 No. 10 No. 4 ¾ in. 3 in. (12 in.)

U.S STANDARD SIEVE SIZE

RELATIVE DENSITY (sand-silt)

Very Loose – Less than 4 blows per foot
Loose – 4 to 10 blows/ft.
Medium – 10 to 30 blows/ft.
Dense – 30 to 50 blows/ft.
Very Dense – More than 50 blows/ft.

CONSISTENCY (clay)

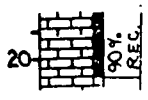
Very Soft – Less than 2 blows per foot
Soft – 2 to 4 blows/ft.
Medium – 4 to 8 blows/ft.
Stiff – 8 to 15 blows/ft.
Very Stiff – 15 to 30 blows/ft.
Hard – More than 30 blows/ft.

KEY TO BORING LOGS

Number of blows of a 140-lb. weight falling 30 in. in req'd. to drive st'd. spoon one foot.

Thin-wall Shelby tube undisturbed sampler used

Free ground water level



Percent core recovery from rock core-drilling operations

Sample not recovered

Fill

Limestone

Sandstone

Igneous Rock

Shale

ATTACHMENT 7-2-3

DATE
STARTED 7-10-71
FINISHED 7-10-71
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO B-1
SURF ELEV
G W DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0								NO TOPSOIL	
		1	3	4	6	10		Brown SILT, Some fine Sand, trace clay, trace gravel in sample #1	Note #1: Water level observations Water encountered @ 11.0' 7-10 11:50 AM At completion Water @ 11.0' 7-10 12:30 PM Casing out Boring caved to 12.0' Water @ 6.0'
		2	12	17	21	38			
5		3	13	22	26	48			
		4	14	22	22	44		(Moist - Loose to Compact)	
10		5	17	23	20	43			
15		6	15	19	18	37		Red SILT, SAND & GRAVEL, trace clay (Wet - Compact)	
20								Bottom of Hole @ 16.5'	

CONFIDENTIAL

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.

CLASSIFICATION Visual by Laboratory Technician

METHOD OF INVESTIGATION: Cased Boring; Casing drilled in place

DATE
STARTED 7-10-71
FINISHED 7-10-71
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-2
SURF. ELEV.
G. W. DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
								NO TOPSOIL	
		1	3	4	5	9		Brown SILT, Some fine Sand, trace clay in sample #1	Note #1: Water level observations 7-10 1:00 PM At completion Water @ 6.8'
		2	4	6	13	19			
5		3	12	17	20	37			
		4	9	12	18	30			
10		5	9	10	15	25		(Moist - Loose to Firm)	
15		6	20	15	12	27		Reddish-brown SILT, SAND & GRAVEL (Wet - Firm)	
								Bottom of Hole @ 16.5'	
20									

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.

CLASSIFICATION Visual By Laboratory Technician

METHOD OF INVESTIGATION: Cased Boring; Casing drilled in place

DATE
STARTED 7-10-71
FINISHED 7-10-71
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO B-3
SURF ELEV
G W DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0								TOPSOIL 6"	Note #1: Water level observations Water encountered @ 6.0' 7-10 1:50 PM At completion Water @ 8.4'
		1	5	7	7	14		Brown SILT, little fine sand, trace clay, trace roots in sample #1	
		2	5	6	6	12		(Moist - Firm)	
5		3	6	8	7	15		Reddish-brown SAND & GRAVEL, Some Silt, trace roots in #3	
		4	9	10	12	22			
10		5	9	10	10	20		grades trace silt	
								(Wet - Firm)	
15		6	19	38	50	88		Brown SILT, Some embedded Gravel, little fine sand (Moist - Very Compact)	
								Bottom of Hole @ 16.5'	
20									

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.

CLASSIFICATION Visual by Laboratory Technician

METHOD OF INVESTIGATION: Cased Boring; Casing drilled in place

DATE
STARTED 7-10-71
FINISHED 7-10-71
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-4
SURF. ELEV.
G. W. DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0								TOPSOIL 6"	Note #1: Water level observations At completion Water @ 6.4'
		1	5	5	6	11		Brown SILT, trace clay, trace fine sand grades Some fine Sand @ 3'	
		2	7	9	12	21			
5		3	8	10	14	24		(Moist - Firm)	
		4	11	14	16	30			
10		5	12	17	10	27		Reddish-brown SAND & GRAVEL, trace silt w/seam of silty clay in # 5 (Wet - Firm)	
15		6	21	39	45	84		Brown SILT, Some embedded GRAVEL, little fine sand (Moist - Very Compact)	
								Bottom of Hole @ 16.5'	
20									

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.

CLASSIFICATION Visual by Laboratory Technician

METHOD OF INVESTIGATION: Cased Borin; Casing drilled in place

ATTACHMENT 7-2-4

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.
4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

SITE OF INVESTIGATION
NOURY CHEMICAL CORPORATION
OLCOTT, NEW YORK

for

BAZEMORE ARCHITECTS
419 Walnut Avenue
Niagara Falls, New York 14301

MARCH 1977

CONFIDENTIAL

SOIL
TEST
BORINGS

ANDERSON DRILLING COMPANY INC.
4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

SITE OF INVESTIGATION
NOURY CHEMICAL CORPORATION
OLCOTT, NEW YORK

The field work in connection with this investigation was accomplished during the period of February 20, 1977. Three (3) borings were made at locations as indicated on the Plan of Borings.

Items of Note

- The stratification lines shown on the boring logs are approximate where in situ, the changes between strata may be more gradual.
- The following pages contain data recorded in the field by the Driller. This data along with the recovered samples constitutes the Test Boring Report.

ANDERSON DRILLING COMPANY, INC.

W. Dean Anderson
President

WDA/k

CLASSIFICATION OF SUPPORTING SOILS

Class	Material	Maximum Allowable Presumptive Bearing Values (tons/sq. ft.)
1	Hard sound rock	100
2	Soft rock, hardpan overlaying rock	12
3	Very compact sandy gravel	10
4	Compact sandy gravel; very compact, clay, sand, and gravel; very compact coarse or medium sand	6
5	Firm sandy gravel; compact, clay, sand and gravel; compact coarse or medium sand; very compact sand-clay soils, hard clay	5
6	Loose sandy gravel, firm coarse or medium sand	4
7	Loose coarse or medium sand, compact fine sand, compact sand-clay soils, stiff clay	3
8	Firm fine sand, compact inorganic silt, firm sand-clay soils, medium clay	2
9	Loose fine sand, firm inorganic silt	$1\frac{1}{2}$
10	Loose sandy-clay soils, inorganic silt, soft clay	1

EXPLANATION OF TERMS

Descriptive

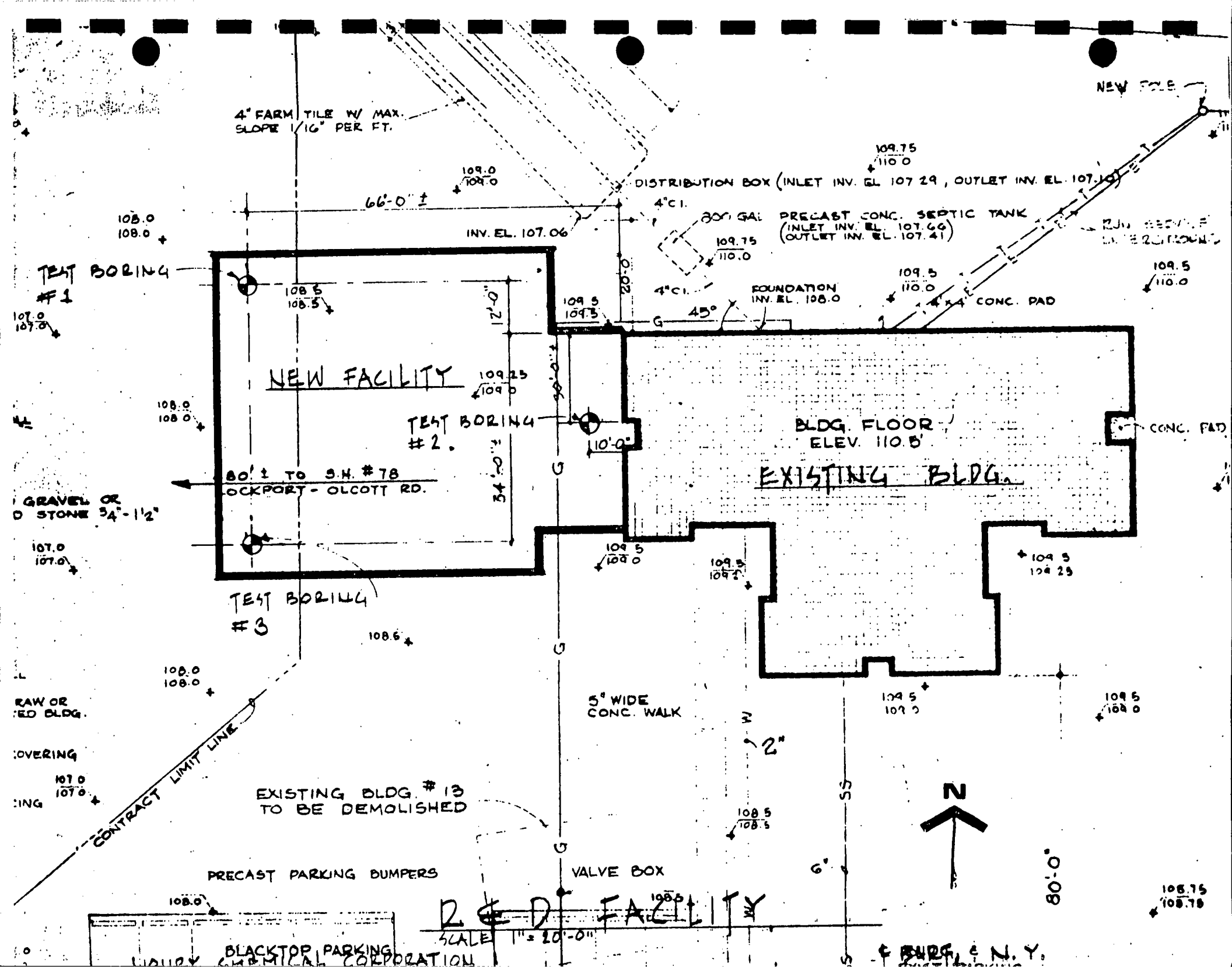
Compaction Related to Spoon Blows: Granular Soil

Descriptive Term	Blows/Foot	Remarks
Loose	10 or less	These figures approximate for medium sand, 2-in. O.D. X 1.375-in., I.D. spoon 140-lb. hammer 30-in. fall. Coarser soil requires more blows, finer material, fewer blows.
Firm	11 to 30	
Compact	31 to 50	
Very compact	51 or more	

Consistency Related to Spoon Blows: Cohesive Soil

Very soft	Push to 2	Sample tends to lose shape under its own weight.
Soft	3 to 5	Molded with relatively slight finger pressure.
Medium	6 to 15	Molded with moderate finger pressure
Stiff	16 to 25	Molded with substantial finger pressure; might be removed by spading.
Hard	26 or more	Not molded by fingers, or with extreme difficulty; might require picking for removal.

From Buffalo, New York, Building Code, Sec. 75, Foundations, par. 1, Bearing Values of Soils, subpar. 1-2(c)


4" FARM TILE W/ MAX. SLOPE 1/16" PER FT.
66'-0" ±
INV. EL. 107.06
DISTRIBUTION BOX (INLET INV. EL. 107.29, OUTLET INV. EL. 107.10)
4" C.I.
300 GAL PRECAST CONC. SEPTIC TANK
(INLET INV. EL. 107.66)
(OUTLET INV. EL. 107.41)
4" C.I.
FOUNDATION INV. EL. 108.0
45°
4'x4' CONC. PAD
TEST BORING #1
TEST BORING #2
TEST BORING #3
NEW FACILITY
EXISTING BLDG.
BLDG. FLOOR ELEV. 110.5'
CONC. PAD
80' ± TO S.H. #78
LOCKPORT - OLCOTT RD.
GRAVEL OR STONE 3/4" - 1 1/2"
5" WIDE CONC. WALK
CONTRACT LIMIT LINE
EXISTING BLDG. #13 TO BE DEMOLISHED
PRECAST PARKING BUMPERS
VALVE BOX
BLACKTOP PARKING
N
80'-0"
SCALE 1" = 20'-0"

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT Noury Chemical Corporation

DATE STARTED 2/20/77 HOLE NO. B-1

DATE FINISHED 2/20/77 SURF. ELEV. Grade

LOCATION Olcott, New York

METHOD OF INVESTIGATION ASTM Specifications

DEPTH FT.	SAMPLES	SAMPLE NO.	BLOWS ON SAMPLER 0" to 6"	6" to 12"	12" to 18"	N	BLOWS ON CASING	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
								TOPSOIL	NOTE: High moisture content 2.5 feet to 6.0 feet. No standing water at conclusion of drilling.
		1	5	4		9		Moist brown loose to firm Silty fine SAND	
			5	5		10			
5		2	5	12		17		Moist brown firm to compact fine Sandy SILT, little Clay, trace of gravel	
			17	18		35			
10		3	25	31	38	69		Moist to damp brown compact SILT and fine SAND with scattered embedded Gravel and Rock fragments	
		4	48	50	50/00				
15								Boring Complete at 15.8 feet REFUSAL	

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.

C = No. blows to drive ___ "casing ___ "with ___ lb. weight falling ___ "per blow.

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT Noury Chemical Corporation

LOCATION Olcott, New York

DATE STARTED 2/20/77 DATE FINISHED 2/20/77

HOLE NO. B-2 SURF ELEV. Grade

METHOD OF INVESTIGATION: ASTM Specifications

DEPTH FEET	SAMPLES	SAMPLE NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOWS ON CASING C	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
								8" TOPSOIL	
		1	4	5		9		Moist brown loose to firm SILT and fine SAND	WATER at 11.0 feet at conclusion of drilling.
			5	5		10			
5		2	10	12		22		Moist brown firm SILT, fine SAND and embedded fine Gravel	
			12	15		27			
10		3	12	21	25	46		Wet brown compact SILT, fine SAND and fine to medium GRAVEL	
								Moist brown compact SILT, fine SAND and embedded ROCK Fragments	
15		4	42	50/0					
						"		Boring Complete at 15.5 feet REFUSAL	

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.

SHEET 1 OF 1

SOIL TEST BORINGS

ANDERSON DRILLING COMPANY INC.

4318 S. BUFFALO STREET, ORCHARD PARK, NEW YORK 14127 (716) 662-5525

PROJECT Noury Chemical Corporation

LOCATION Olcott, New York

DATE STARTED 2/20/77

DATE FINISHED 2/20/77

HOLE NO. B-3

SURF ELEV Grade

METHOD OF INVESTIGATION ASTM Specifications

DEPTH-FT	SAMPLES	SAMPLE NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOWS PER CASING FT	DESCRIPTION OF RECOVERED SAMPLES	REMARKS & WATER READINGS
								12" TOPSOIL	
		1	4	5		9		Moist brown loose Silty fine SAND	
			4	4		8			
5		2	5	12		17		Moist to wet brown firm SILT and fine SAND, trace of fine gravel	NOTE: Soils becoming wet at 6.0 feet. Standing water at conclusion of drilling, 12.0 feet.
			12	17		29			
10		3	21	35	40	75		Wet brown compact SILT, fine SAND and fine GRAVEL	
		4	40	100/.3				Damp brown compact SILT, fine SAND and ROCK fragments	
15								Boring Complete at 14.8 feet REFUSAL	

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.

SHEET 1 OF 1

ATTACHMENT 7.2 -5

EMPIRE SOILS INVESTIGATIONS, INC.

MAIN OFFICE ☐
607-898-5881
105 Corona Avenue
Groton, N.Y. 13073

BUFFALO OFFICE ☐
716-649-8110
P.O. Box 229
Orchard Park, N.Y. 14127

ROCHESTER OFFICE ☐
716-342-5320
1164 Ridge Road East
Rochester, N.Y. 14621

SYRACUSE OFFICE ☐
315-475-0717
6309 Girden Road
E. Syracuse, N.Y. 13057

ALBANY OFFICE ☐
518-783-1555
8 Northway Lane
Latham, N.Y. 12110

WASHINGTON OFFICE ☐
301-868-5131
7912 Old Branch Avenue
Clinton, Md. 20735

SOIL AND FOUNDATION STUDY
PROPOSED SPECIALITIES BUILDING
NOURY CHEMICAL CORPORATION
ARMAK COMPANY
BURT, NEW YORK

PREPARED FOR
Armak Company
Burt, New York

PREPARED BY
Empire Soils Investigations, Inc.
AND
Thomsen Associates
Consulting Geotechnical Engineers & Geologists

CONFIDENTIAL

Job No. 79-BD-66
August 1979

THOMSEN ASSOCIATES
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SOIL AND FOUNDATION STUDY
PROPOSED SPECIALITIES BUILDING
NOURY CHEMICAL CORPORATION
ARMAK COMPANY
BURT, NEW YORK

I. INTRODUCTION

This report presents the results of a site investigation and geotechnical engineering evaluation for the proposed Specialities Building at the existing Noury Chemical Corporation Plant in Burt, New York.

This work was authorized by Kenneth R. Carroll of Armak Company by Purchase Order No. 000138.

As a basis for the study, seven test borings were advanced at the site between July 4 and July 25, 1979 by Empire Soils Investigations, Inc. of Orchard Park, New York. The Subsurface Logs included with this report in Appendix A, were prepared based on the driller's field notes and a visual classification of the recovered soil samples by one of the writers. We have prefaced these logs with a sheet titled "General Information and Key to Subsurface Logs" which explains the terms and symbols utilized.

Appendix B contains the Subsurface Investigation Plan, Drawing No. 1 which shows the as-drilled boring locations as well as the outline of the proposed structure. The boring locations and ground surface elevations were established by a survey crew from Empire Soils Investigations. The elevation at the boring locations are shown on the respective Subsurface

The nature of refusal in boring B-5 was not explored because the surrounding borings all extended to at least the specified depth. We suspect a boulder rather than the bedrock surface was the cause of refusal in this boring.

III. SITE DESCRIPTION

A. Surface Conditions

The proposed structure is located 120 feet north of Building No. 22. The general area is relatively flat with numerous slight depressions and mounds. A shallow (approximately 1.5 feet deep) drainage ditch traverses the site from north to south approximately 70 feet west of the proposed structure west exterior wall.

Presently the site is an open grass covered field and no standing water or exposed random man-placed fill material was detected during the field investigation.

An inspection of the existing adjacent structure, Building No. 22, revealed some cracking through the mortar of the cinder block walls. We note the block construction is not staggered, rather the blocks have been laid up in straight vertical lines. The cause of the cracking is not known but could be attributed to either differential settlement or a shock wave influence.

The asphaltic concrete roadway to the existing structure has performed quite well with no noticeable cracking. The pavement section consisted of 3 inches of asphaltic concrete over a crushed stone base course, the thickness of which was not determined.

B. Subsurface Conditions

All borings disclosed a topsoil veneer at the ground surface which ranged in thickness from 4 to 10 inches.

The underlying virgin overburden soils can be divided into 3 separate catagories in descending order as follows:

1) Silt-Sand Mixtures
2) Sand-Gravel-Silt Mixtures
3) Silt with embedded sand and gravel (Glacial Till)

The upper most stratum encountered below the topsoil is generally a silt with varying amounts of fine sand. Two sieve and hydrometer analyses were conducted on this material with the actual grain size distribution curves included in Appendix C. The silt-sand mixture is usually loose near the surface due to the influence of seasonal freeze-thaw cycles then gradually becomes more dense.

Underlying the silt the more well-graded gravel-sand-silt stratum was encountered at depths ranging from 5.5 to 10 feet below existing grades. This stratum appears to be somewhat layered or stratified with the sand and gravel portions isolated from the silt and fine sand fraction. At all boring locations this stratum was water bearing.

The deepest material encountered at depths between 11 and 16.5 feet below grades is a glacial till soil composed primarily of silt with varying fractions of

embedded sand and gravel and minor amounts of clay. Although cobbles and/or boulders were not noted by the driller we anticipate they are present and may be the cause of auger and sampling spoon refusal in boring B-5 as mentioned previously.

A careful review of the recovered soil samples in conjunction with the groundwater information indicates the stabilized water level, as measured in the bore holes and noted on the Subsurface Logs, is contained within the aquifer under a slight artesian condition. We estimate the hydrostatic head is on the order of 1 to 2 feet and that stabilized water levels in excavations would be about elevation 104.0 to 104.5 in the building area and near elevation 105.0 at the proposed dump pit location.

IV. RECOMMENDATIONS

A. Site Earthwork

Prior to any foundation construction the building area, new concrete slab and asphaltic concrete access road should be stripped of all topsoil and deleterious material. The subgrade should be thoroughly proofrolled under dry weather conditions with a heavy static steel drum or rubber tired roller capable of densifying the surficial 2 to 3 feet of loose silty subgrade soil.

Any areas exhibiting soft or unsuitable conditions should be further under cut and the removed soils replaced with a compacted well-graded run-of-bank sand and gravel in the building area. Undercutting and replacement in pavement areas should be done with material similar in composition to the adjacent stabilized subgrade.

Any grade increases should be accomplished in uniform horizontal lifts of 9 to 12 inches depending on the compaction equipment available. All structural fill and backfill should be composed of well-graded run of bank sand and gravel and must be compacted to at least 95 percent of the maximum dry density attainable through the modified Proctor Compaction Method (ASTM D-1557).

The existing overburden soils are suitable as general fill in non-load bearing areas only and should be compacted to 90 percent of the maximum dry density. Under ideal conditions it would be possible to use the on-site soils as load bearing fill. However, our past experience with these silty soils indicates achieving the proper compaction is difficult at best as the optimum moisture content is hard to control.

Should the on-site soils be considered as load bearing or structural fill the moisture content must be maintained at ± 2 percent of optimum and compacted to 95 percent of maximum dry density under careful supervision.

If grade increases are planned in the building area then the structural fill should extend a lateral distance beyond the building outline at least equal to the fill thickness.

We caution the virgin surficial soils are fine grained and therefore they will be both frost susceptible and extremely sensitive to normal construction activities in the presence of excess moisture. The contractor must not allow water to pond on bearing grades or in foundation excavations.

The areas of exposed silty subgrades should be kept to such which can be effectively filled and sealed by compaction within the same working day.

B. Foundation Recommendations and Considerations

The site is suitable for structure support by conventional spread foundations. All exterior foundations, including those for the fuel oil tank saddles, must be seated at least 4.5 feet below final exterior grades for frost protection. Isolated interior foundations must be seated in controlled structural fill or the virgin bearing soils and must be seated at least 2.0 feet below the adjacent floor slab. We make the additional stipulation that continuous wall and isolated interior foundations have a minimum width of 18 and 24 inches, respectively.

Again, we caution the virgin bearing soils are sensitive to construction activities and we recommend

that immediately upon exposure of the foundation bearing grades the contractor place a gravel blanket on lean concrete "mud" mat in the foundation excavation. The gravel blanket should be at least 4 inches thick and be thoroughly tamped, or the lean concrete mud mat should be at least 2 inches thick. The gravel blanket or "mud" mat will protect the bearing soils and provide the contractor with a stable working base. In addition, foundations should be backfilled as soon as the concrete has cured sufficiently.

Foundations constructed in accordance with the above recommendations can be proportioned for a "net allowable bearing capacity" of 3500 pounds per square foot. The term "net allowable bearing capacity" refers to the pressure imposed at footing level in excess of the adjacent stabilized overburden pressure. If foundation construction follows any necessary grade increases, then these grades can be considered stabilized. Should foundation construction be completed prior to grade increases, then the allowable bearing capacity should be reduced by the amount of the additional future fill pressure at the foundation level.

Post construction total and differential settlement of typical building and oil tank foundations will be negligible provided the above recommendations are followed.

In our analysis of the potential settlement of the reactor blast cells we assumed a static and uniformly distributed loading condition. This analysis also assumed

the bearing pressure was distributed over an area of 15 feet by 20 feet. Based on these assumptions, we estimate total settlements of not more than 3/4 inch for a uniform bearing pressure of 1500 pounds per square foot. Under these same conditions the total settlement could approach 1 inch under a uniformly distributed load of 2000 psf. The actual magnitude of settlement will depend on the degree of densification achieved through the previously recommended subgrade proofrolling.

The floor slabs can be constructed as a slab-on-grade placed over at least 6 inches of compacted well-graded run-of-bank sand and gravel or approved equal. Based on the rather thick 8 inch slab planned we have assumed the floor will be subjected to heavy loads. To evaluate the potential floor slab settlement, we assumed a 2 foot grade increase and a uniformly distributed live load of 700 pounds per square foot.

Using these assumptions we estimate maximum settlements of 1/4 inch at the slab edge to 3/4 inch near the center. Again, the actual settlement will depend on the degree of subgrade improvement.

Excavations below elevation 104 in the building area and elevation 105 in the dump pit will encounter the groundwater table. Dewatering must be anticipated for excavations below the above noted elevations.

The base of the dump pit is reported to be some 12 to 14 feet below the existing grades which will require an excavation of some 5 to 7 feet below the groundwater.

We recommend a deep sump(s), properly screened and with a submersible pump, be installed at least 5 feet below the base of the excavation prior to any pit excavation. The groundwater should be depressed at least 2 feet below the planned base of the excavation prior to any excavating. It would also be prudent to install groundwater monitoring wells in the vicinity of the deep sump(s) to insure the groundwater table is sufficiently depressed at the pit location.

The pit must be designed to withstand hydrostatic uplift pressures. In addition, the pit walls must be designed for lateral earth and hydrostatic pressures.

C. Pavement Recommendations

Our analysis of the subgrade soils for support of pavement areas is based upon the test borings and laboratory test data. We assume the proposed new asphaltic concrete access road and exterior concrete slab will be subjected to heavy service truck and lift truck wheel loads.

The subgrade soils in these areas contain much more than 3 percent, by weight, of material finer than 0.02mm hence, they are highly frost susceptible.

The asphaltic concrete pavement section we recommend consists of 1 1/2 inches of wearing surface over 2 1/2 inches of binder course. Where the subgrade soils are composed of the sandy silt we recommend a 6 inch base course of crushed stone over 8 inches of well-graded, non-frost susceptible (i.e. contains less than 3 percent, by weight, of material finer than 0.02mm) sand and gravel. In areas where grade increases have required the placement of 12 inches or more of well-graded run-of-bank sand and gravel fill, the subbase course can be eliminated. This represents a total pavement thickness of 18 inches in areas of silty subgrade soils and 10 inches in areas where fill has been placed for grade increase and is at least 12 inches thick.

The exterior concrete slab shown south of the proposed specialities building should be at least 6 inches thick and provided with wire mesh reinforcement. We recommend construction joints on 20 foot spacings for crack control. The concrete slab should be underlain by at least 6 inches of crushed stone base course and 6 inches of non-frost susceptible subbase course. It is essential that subgrade and the granular base courses are well drained.

VI. CONCLUSIONS

In the preceding section we have presented our recommendations for site earthwork, foundation and pavement construction.

The existing soils are sufficiently competent to support the structure and blast cells. The structure foundations and floor slab will not experience any damaging differential settlement assuming our recommendations are followed. The blast cell slabs can be expected to settle although the magnitude predicted should not influence the performance of the cells. The settlement will occur rapidly as the loads are imposed. Therefore, we recommend these slabs be isolated from the adjacent floor slab.

Control of surface water runoff to prevent ponding on sensitive bearing grades is imperative. Deep excavations must be dewatered.

Finally, we recommend that all foundation construction and earthwork be supervised by personnel experienced in these activities.

Respectfully submitted,

THOMSEN ASSOCIATES

Charles T. Gaynor, II
Geotechnical Engineer

Bent L. Thomsen, P. E.

SUBSURFACE LOGS

APPENDIX A

GENERAL INFORMATION & KEY TO SUBSURFACE LOGS

The Subsurface Logs attached to this report present the observations and mechanical data collected by the driller while at the site, supplemented by classification of the materials removed from the borings as determined through visual identification by technicians in the laboratory. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. The data presented on the Subsurface Logs together with the recovered samples will provide a basis for evaluating the character of the subsurface conditions relative to the proposed construction. The evaluation must consider all the recorded details and their significance relative to each other. Often analyses of standard boring data indicate the need for additional testing and sampling procedures to more accurately evaluate the subsurface conditions. Any evaluations of the contents of this report and the recovered samples must be performed by Professionals having experience in Soil Mechanics and Foundation Engineering. The information presented in the following defines some of the procedures and terms used on the Subsurface Logs to describe the conditions encountered.

① The figures in the Depth column defines the scale of the Subsurface Log.

② The Sample column shows, graphically, the exact depth range from which a sample was recovered. See Table I for a description of the symbols used to signify the various types of samples.

③ The Sample No. is used for identification on sample containers and/or Laboratory Test Reports.

④ Blows on Sampler – shows the results of the "Penetration Test", recording the number of blows required to drive a split spoon sampler into the soil beneath the casing. The number of blows required for each six inches penetration is recorded. The total number of blows required for the last 12 inches of penetration are summarized in the "N" column. The outside diameter of the sampler, the hammer weight and the length of drop are noted at the bottom of the Subsurface Log.

⑤ Blows on Casing – shows the number of blows required to advance the casing a distance of 12 inches. The casing size, the hammer weight and the length of drop are noted at the bottom of the Subsurface Log. If the casing is advanced by means other than driving, the method of advancement will be indicated in the Notes column or under Method of Investigation at the bottom of the Subsurface Log.

⑥ All recovered soil samples are reviewed in the laboratory by technicians. The visual descriptions are made on basis of the sample as recovered and in accordance with the Unified Classification System. Guide Lines for the terms used in descriptions are presented in Tables II and III. The description of the relative soil compactness or consistency is based upon the penetration records as defined in Table IV. The description of the soil moisture is based upon the condition of the sample as recovered. The moisture condition is described as dry, damp, moist or wet. Water used to advance the boring may have affected the in-situ moisture content of the sample. Special terms are used as required to describe materials in greater detail; several such terms are listed in Table V. When sampling gravelly soils with a standard two-inch diameter split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders and large gravel is sometimes, but not necessarily, detected by an evaluation of the casing and sampler blows or through the "action" of the drill rig as reported by the driller.

⑦ The description of rock shown is based upon the recovered rock core. Terms frequently used in the description are included in Table VI.

⑧ Miscellaneous observation and procedures noted by the driller are shown in this column, including water level observations. It is important to realize that the reliability of the water level observations depend upon the soil type (water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the borings may have influenced the observations. The ground water level typically will fluctuate seasonally. One or more perched or trapped water levels may exist in the ground seasonally. All the available readings should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or water observation installations.

⑨ The length of core run is defined as length of penetration between retrievals of the core barrel from the bore hole, expressed in feet and tenths of feet. The core recovery expresses the length of core recovered from the core barrel per core run, in percent. The size core barrel used is also noted. The more commonly used sizes of core barrels are denoted "AX" and "NX". The "NX" core, being larger in diameter than "AX" core, often produces better recovery, and is frequently utilized where accurate information regarding the geologic conditions and engineering properties is needed. The "NX" core barrel requires the use of four inch diameter casing.

DATE STARTED 5-1-70 FINISHED 5-1-70 SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC

SUBSURFACE LOG

HOLE NO. B-175 SURF. ELEV. 325.6 G.W. DEPTH See Note #1

PROJECT XXX LOCATION YYY

DEPTH-ft	SAMPLES	SAMPLE NO.	BLOWS ON SAMPLER (6" / 6" / 12" / 12" / N)	BLOWS ON CASING	CASING SIZE	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	2 | 2 | 3 | 5	10		TOPSOIL 3"	Note #1
				15		Brown SILT, some Sand, trace clay (Moist - Loose)	GW at 20' completion
				50/5"			GW at 22' 24 hrs after completion
						Gray SHALE, medium hard weathered, thin bedded some fractures	Cored 25'-50', Run #1
							95% Recovery
5							AX Core

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

TABLE I

- Split Spoon Sample
- Shelby Tube Sample
- Auger or Pit Sample
- Rock Core

TABLE II

Identification of soil type is made on basis of an estimate of particle sizes, and in the case of fine grained soils also on basis of plasticity.

Soil Type	Soil Particle Size	
Boulder	> 12"	Coarse Grained (Granular)
Cobble	3" – 12"	
Gravel - Coarse	3" – 3/4"	
- Fine	3/4" – #4	
Sand - Coarse	#4 – #10	
- Medium	#10 – #40	
- Fine	#40 – #200	
Silt - Non Plastic (Granular)	< #200	Fine Grained
Clay - Plastic (Cohesive)		

TABLE III

The following terms are used in classifying soils consisting of mixtures of two or more soil types. The estimate is based on weight of total sample.

Term	Percent of Total Sample
"and"	35 – 50
"some"	20 – 35
"little"	10 – 20
"trace"	less than 10

(When sampling gravelly soils with a standard split spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter.)

TABLE IV

The relative compactness or consistency is described in accord with the following terms.

Granular Soils		Cohesive Soils	
Term	Blows per Foot, N	Term	Blows per Foot, N
Loose	< 10	Very Soft	< 2
Firm	11 – 30	Soft	3 – 5
Compact	31 – 50	Medium	6 – 15
Very Compact	> 51	Stiff	16 – 25
		Hard	> 26

(Large particles in the soils will often significantly influence the blows per foot recorded during the Penetration Test.)

TABLE V

Varved –	Alternating layers, seams, and partings of soils.
Layer –	Soil deposit more than 6" thick.
Seam –	Soil deposit less than 6" thick.
Parting –	Soil deposit less than 1/8" thick.
Uniform –	All grains are of about the same diameter.

TABLE VI

Rock Classification Terms

Term		Meaning
Hardness	Soft	Scratched by fingernail
	Medium Hard	Scratched easily by penknife
	Hard	Scratched with difficulty by penknife
	Very Hard	Cannot be scratched by penknife
Weathering	Very Weathered	Judged from the relative amounts of disintegrating iron staining, core recovery, clay seams, etc
	Weathered	
	Sound	
Bedding	Laminated	Natural breaks in Rock Layers (< 1" / 1" – 4" / 4" – 12" / 12" – 36" / > 36")
	Thin bedded	
	Bedded	
	Thick bedded	
	Massive	

(Fracturing refers to natural breaks in the rock oriented at some angle to the rock layers.)

DS-4

DATE STARTED 7-4-79
FINISHED 7-4-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO B-1
SURF ELEV. 110.1
G. W. DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0								TOPSOIL 8"	Note #1 - Ground-water information: Boring complete; Casing @ 20.0' Water @ 10.0' Check on 7/25/79 Boring caved in @ 7.0', water @ 6.0'
		1	4	4				Brown SILT, trace fine sand	
			4	8		8			
		2	10	10				(Damp-Loose to Firm) 4.0'	
			13	21		23		Brown SILT & very fine sand	
5		3	7	12				(Moist-Firm) 6.0'	
			14	24		26		Brown SILT, trace embedded medium to coarse sand	
		4	42	35				(Moist-Very Compact) 8.0'	
			27	40		62		Red Brown SILT with embedded rounded fine to medium GRAVEL &	
		5	12	13				medium to coarse SAND; thin layers/lenses Brown Clay	
10			17	17		30		(Moist-Firm) 10.0'	
		6	11	7				Brown firm to medium GRAVEL & medium to coarse SAND, Some	
			5	7		12		Silt (Wet-Firm) 14.0'	
15		7	49	35	100	/.4		Gray SILT, little embedded coarse sand & fine gravel (Glacial Till) (Moist)	
								Grades Some fine to medium Gravel	
20		8	85	70	76	146		(Moist to Wet-V.Compact)	
								Boring Terminated @ 21.5'	
25									

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.

CLASSIFICATION Visual by Geotechnical Engineer

DS-4

DATE
STARTED 7-4-79
FINISHED 7-4-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO B-2
SURF ELEV 109.7
G W DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0								TOPSOIL 8"	Note #1: Ground-water Information: Boring complete, Casing @ 20.0', No free water in boring @ comple-tion.
		1	2	5				Brown SILT, trace fine sand, roots; moist @ 2.0'	
			5	11		10			
		2	8	10				(Damp-Loose to Firm) 4.0'	
			12	14		22			
5		3	9	9				Brown laminated SILT, trace fine sand & clay as thin layers, trace fine to medium gravel (Moist-Compact) 6.0'	
			27	27		36			
		4	34	24					
			20	26		44			
		5	12	12				Brown rounded fine to medium GRA-VEL, Some medium to coarse Sand & Silt (Wet-Compact) 8.0'	
			15	17		27			
10		6	21	12					
			14	18		26		Brown laminated SILT, CLAY and very fine SAND (Moist-Firm) 10.0'	
15		7	50	50/0	0/.3			Brown SILT, Some embedded fine to medium Gravel & coarse Sand, trace wood (Moist-Firm)	
								Gray SILT, little embedded fine to medium gravel & coarse sand (glacial till)	
20		8	65	58	55	113		(Damp-Very Compact) 21.5'	
								Boring terminated @ 21.5'	
25									

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.

CLASSIFICATION Visual by Geotechnical Engineer

DS-4

DATE
STARTED 7-4-79
FINISHED 7-4-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-3
SURF ELEV. 111.3'
G W DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	2	3				TOPSOIL 4"	Note #1: Ground-water Information: Boring complete, Casing @ 20.0', No free water in boring @ comple-tion Check on 7/25/79 Boring caved in @ 7.5' Water @ 7.0'
			5	10		8		Brown SILT, trace fine sand (Damp-Loose) 2.0'	
		2	8	8				Brown weakly laminated SILT & very fine SAND (Moist) (grades moist to wet)	
			11	12		19			
5		3	18	30					
			29	30		59			
		4	18	15					
			16	17		31			
		5	3	2				(Moist to Wet- Firm to Very Compact) 10.0'	
			14	16		16			
10		6	17	18				Brown SILT with embedded fine to medium GRAVEL & medium to coarse Sand (Saturated-Compact) 14.0'	
			30	18		48			
15		7	32	48	79	127		Gray SILT, little embedded fine to medium GRAVEL & coarse SAND	
								(Damp to Wet-Very Compact) 21.5'	
20		8	27	32	45	77			
								Boring terminated @ 21.5'	

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.
21" Hollow Stem Auger Casing

CLASSIFICATION Visual by Geotechnical Engineer

DATE
STARTED 7-4-79
FINISHED 7-4-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-4
SURF ELEV 110.8
G W DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6 6/12 12/18 N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION
0		1	2 3 6 11 9		TOPSOIL 6"
		2	5 8 8 8 16		Brown fine SAND & SILT (Damp-Loose) 2.0'
		3	15 16 29 29 45		Brown SILT, trace fine sand, (roots in S-2; laminated below 4') (Moist-Firm to Compact) 6.0'
5		4	30 29 30 30 59		Brown fine to medium SAND, Some fine to medium Gravel, Some Silt
		5	12 16 21 31 37		(Wet-Compact to V. Compact) 11.0'
10		6	21 20 22 17 42		Gray SILT, little embedded coarse sand & fine to medium gravel (Wet)
					-damp at 15.0'
15		7	90 100/.2		
					-Moist @ 20.0'
20		8	66 67 60 127		(Damp to Wet - V.Compact) 21.5
					Boring terminated @ 21.5'
25					

NOTES

Note #1: Ground-water Information: Boring complete, Casing @ 20.0', No free water in boring @ completion.

Check on 7/25/79 Boring caved in @ 5.5', no free water in boring

2 12 140 lb pin wt falling 30 "per blow

CLASSIFICATION Visual by

DATE
STARTED 7-4-79
FINISHED 7-4-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-5
SURF. ELEV. 110.0'
G. W. DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	/"	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	4	9				TOPSOIL 6"	Note #1: Ground-water information: Casing @ 9.5', Water first encountered @ 6.0', Boring complete, Water @ 6.0', 1 hr. check - water @ 6.0'
			16	26		25		Brown SILT, Some fine Sand (Damp-Firm) 2.0'	
		2	14	15				Red-Brown laminated SILT, trace clay and fine sand	
			14	14		29		(Moist-Firm) 5.5'	
5		3	9	8					
			10	26		18			
		4	52	42					
			36	25		78			
		5	19	12				Brown medium to coarse SAND & fine to coarse GRAVEL, Some Silt	
10			13	12		25		(Wet-Firm to Very Compact)	
		6	16	12				14.5'	
			13	13		25			
		7	17	17					
			12	19		29			
15		8	19	47	100/.4			Gray SILT, little to Some embedded fine to medium Gravel & coarse Sand (glacial till) (Dmp - V. Compact) 15.5'	
		9	100/.1						
								Boring Terminated @ 15.5'	
20									
25									

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
C = No. blows to drive ____ "casing ____ "with ____ lb. weight falling ____ "per blow.
21" Hollow Stem Auger Casing

CLASSIFICATION Visual by Geotechnical Engineer

DATE
STARTED 7-25-79
FINISHED 7-25-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-6
SURF ELEV 110.9'
G W DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	3	4				Brown SILT & fine SAND, trace roots (Damp-Loose) 2.0'	Note #1: Groundwater Information: Casing @ 8.0', Water first encountered @ 6.0'
			6	6		10			
		2	14	14				Red-Brown slightly stratified SILT, trace clay (Moist-Firm) 4.0'	
			12	10		26			
5		3	3	4					Boring complete Casing @ 18.5', Water @ 17.0'
			13	13		17		Red-Brown SILT & SAND, Some fine Gravel (Moist-Firm) 8.0	
		4	14	19					
			8	12		27			
		5	2	2				Red-Brown fine to coarse SAND & fine GRAVEL, Some Silt	Casing out, Boring caved in @ 9.0' Water @ 8.0'
10			2	2		4			
		6	9	13					
			13	9		26			1.5 hr check, Boring caved in @ 9.0' Water @ 6.5'
								-grades little silt	
15		7	16	48	16	64		(Wet-Loose to V. Compact) 16.5	
								Gray SILT, trace clay, trace embedded sand & fine gravel (Moist-Very Compact)	
20		8	17	45	33	78		Boring Terminated @ 20.0'	

N = No. blows to drive 2" spoon 12" with 140 lb. pin wt. falling 30" per blow.
C = No. blows to drive ____" casing ____" with ____ lb. weight falling ____" per blow.
METHOD OF INVESTIGATION: 2½" Hollow Stem Auger Casing

CLASSIFICATION Visual by Geotechnical Engineer

VCTG

DATE
STARTED 7-25-79
FINISHED 7-25-79
SHEET 1 OF 1

EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE LOG

HOLE NO. B-7
SURF ELEV 112.3
G. W. DEPTH See Note #1

PROJECT Noury Chemical Company
LOCATION Burt, New York

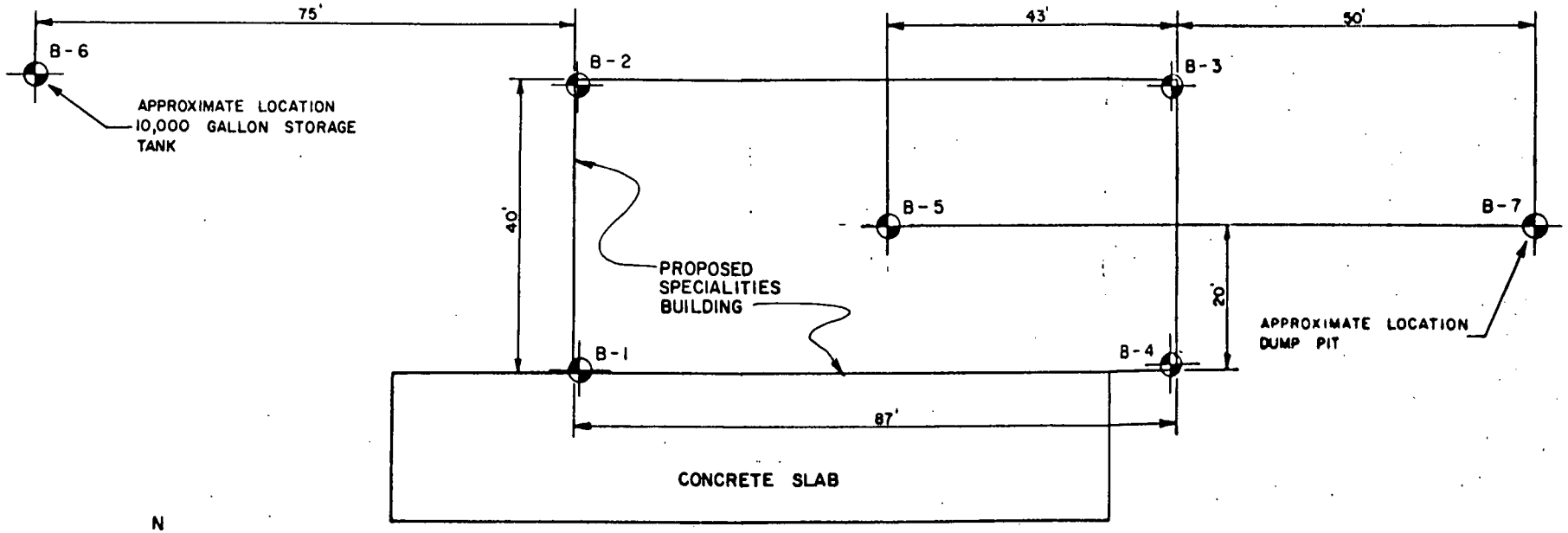
DEPTH-FT	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER 0/6	6/12	12/18	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
0		1	3	7				TOPSOIL 10"	Note #1: Groundwater Information: Casing @ 9.5', Water first encountered @ 6.6'
			9	13		16		Brown fine SAND, little silt 3.0'	
								Red-Brown slightly stratified SILT with fine Sand seams -wet seams in sample #2 (Moist to Wet-Firm) 7.0'	Boring complete, casing @ 13.5', water @ 9.5'
5		2	4	5	9	14			Casing out, Boring caved in @ 11.0' Water @ 7.5'
								Red-Brown laminated SILT with embedded Sand & Gravel Seams -grades fine SAND, Some Silt, little gravel @ 13.5'	
10		3	13	40	40	80		(Wet-Very Compact)	
15		4	14	20	20	40		Boring Terminated @ 15.0'	

N = No. blows to drive 2 "spoon 12 "with 140 lb. pin wt. falling 30 "per blow.
lb. weight falling "per blow.

CLASSIFICATION Visual by Geotechnical Engineer

DRAWINGS

APPENDIX B

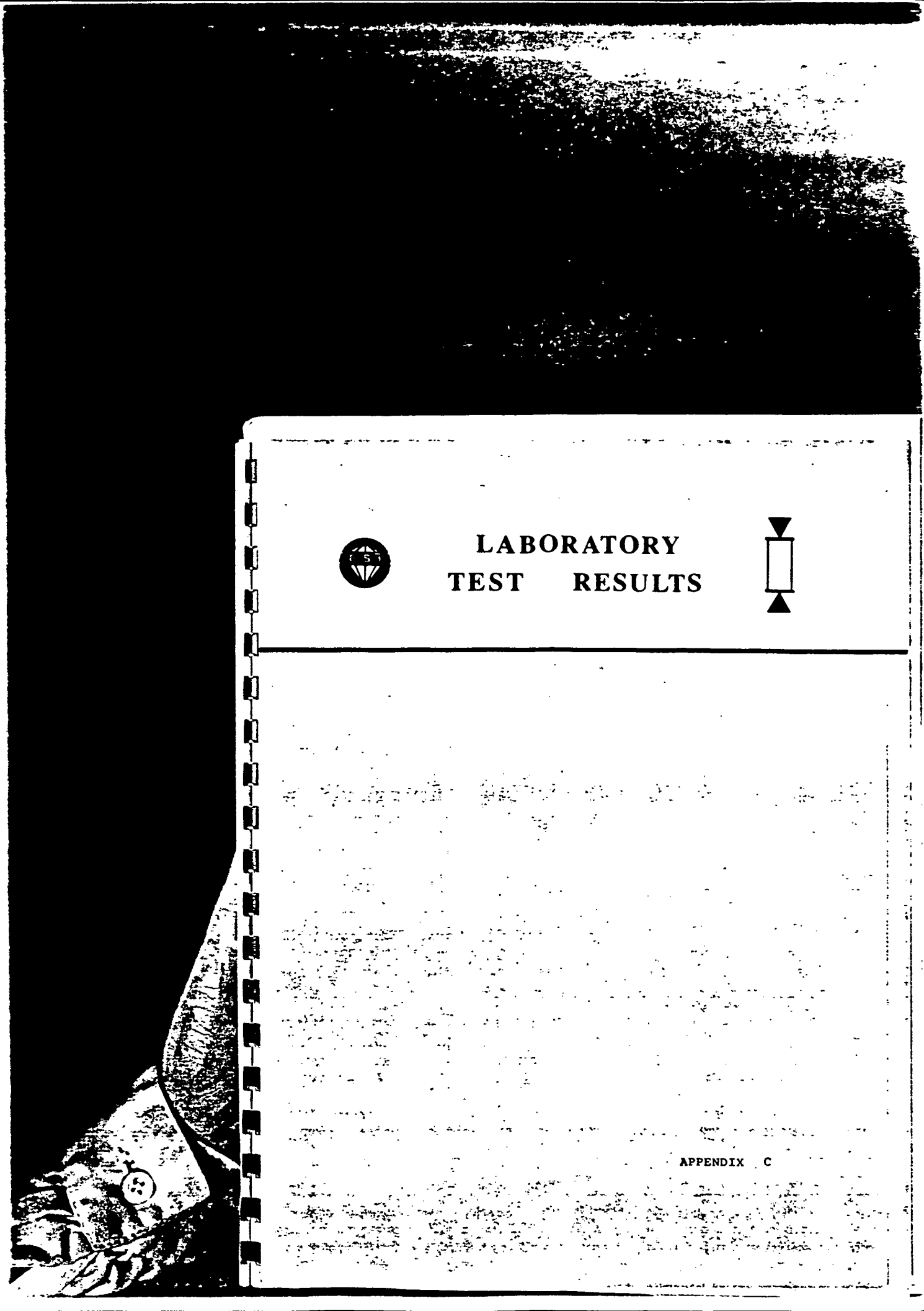


EMPIRE SOILS INVESTIGATIONS, INC.

SUBSURFACE INVESTIGATION PLAN

SPECIALITIES BUILDING
NOURY CHEMICAL CORPORATION
BURT, NEW YORK

DR BY CET	SCALE AS SHOWN	PROJ NO 80-79-66
CK'D BY	DATE JULY 1979	DRWG NO. 1



LABORATORY TEST RESULTS

APPENDIX C

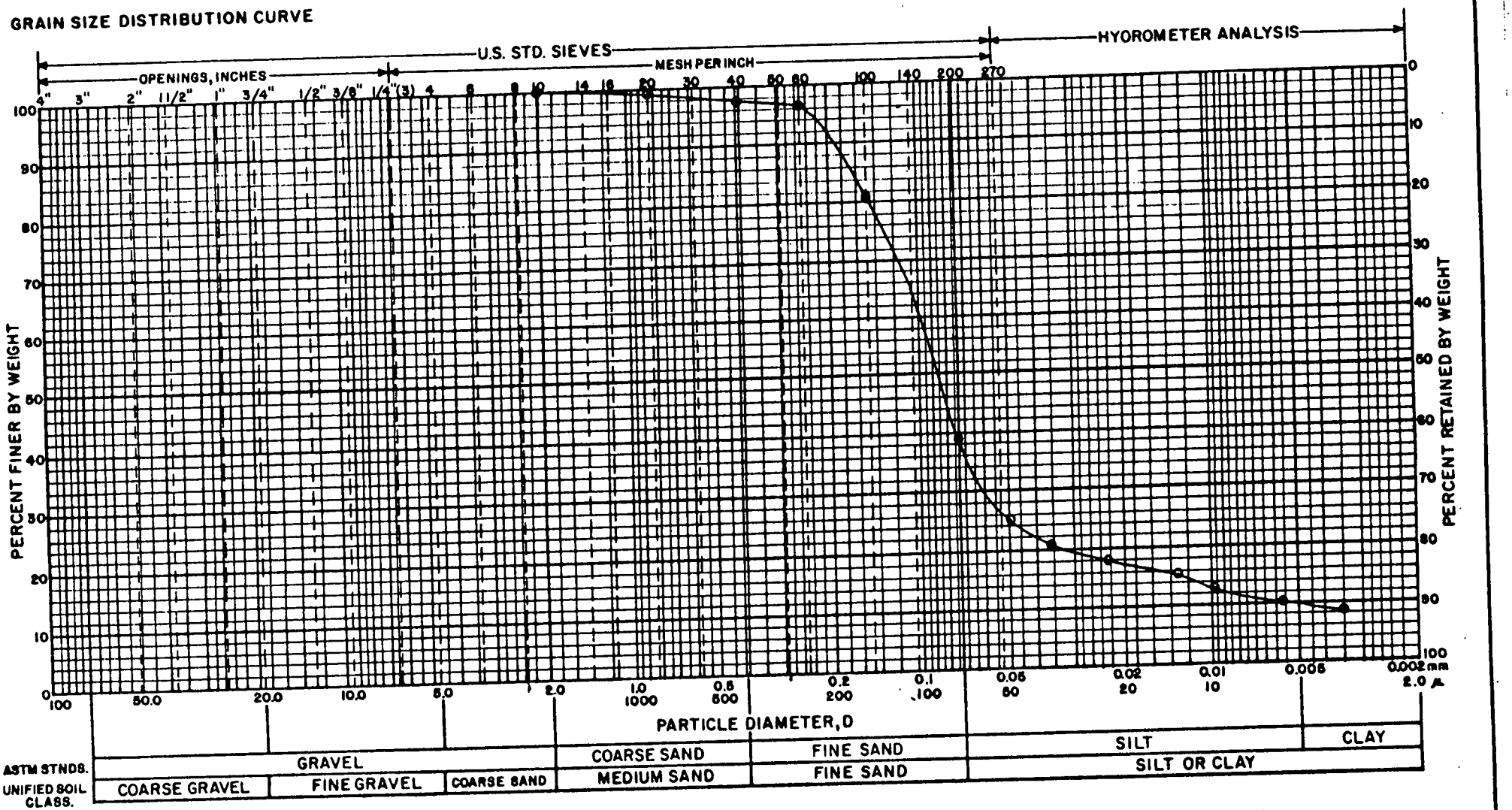
SUMMARY OF LABORATORY TESTING

Boring No.	Sample No.	Depth (ft)	Natural Moisture Content (%)	Mechanical Analysis (% by weight) Gravel	Sand	Silt	Clay
1	1	0.0-2.0	13.7				
	2	2.0-4.0	15.0				
	3	4.0-6.0	22.2				
	4	6.0-8.0	13.9				
	5	8.0-10.0	10.0				
	6	10.0-12.0	11.3				
	7	14.0-15.4	9.2				
	8	20.0-21.5	14.3				
4	1	0.0-2.0	14.3	0	61	29	10*
	2	2.0-4.0	18.8	0	22	57	21**
	4	6.0-8.0	8.9	59	22	- 19	-

* See also Grain Size Distribution Curves

** Sieve Analysis Only

GRAIN SIZE DISTRIBUTION CURVE



SAMPLE INFORMATION:

Boring No.: B-4
Sample No.: S-1
Depth: 0.0'-2.0'
Elevation: 109.7-107.7
Natural Moisture Content: 14.3%

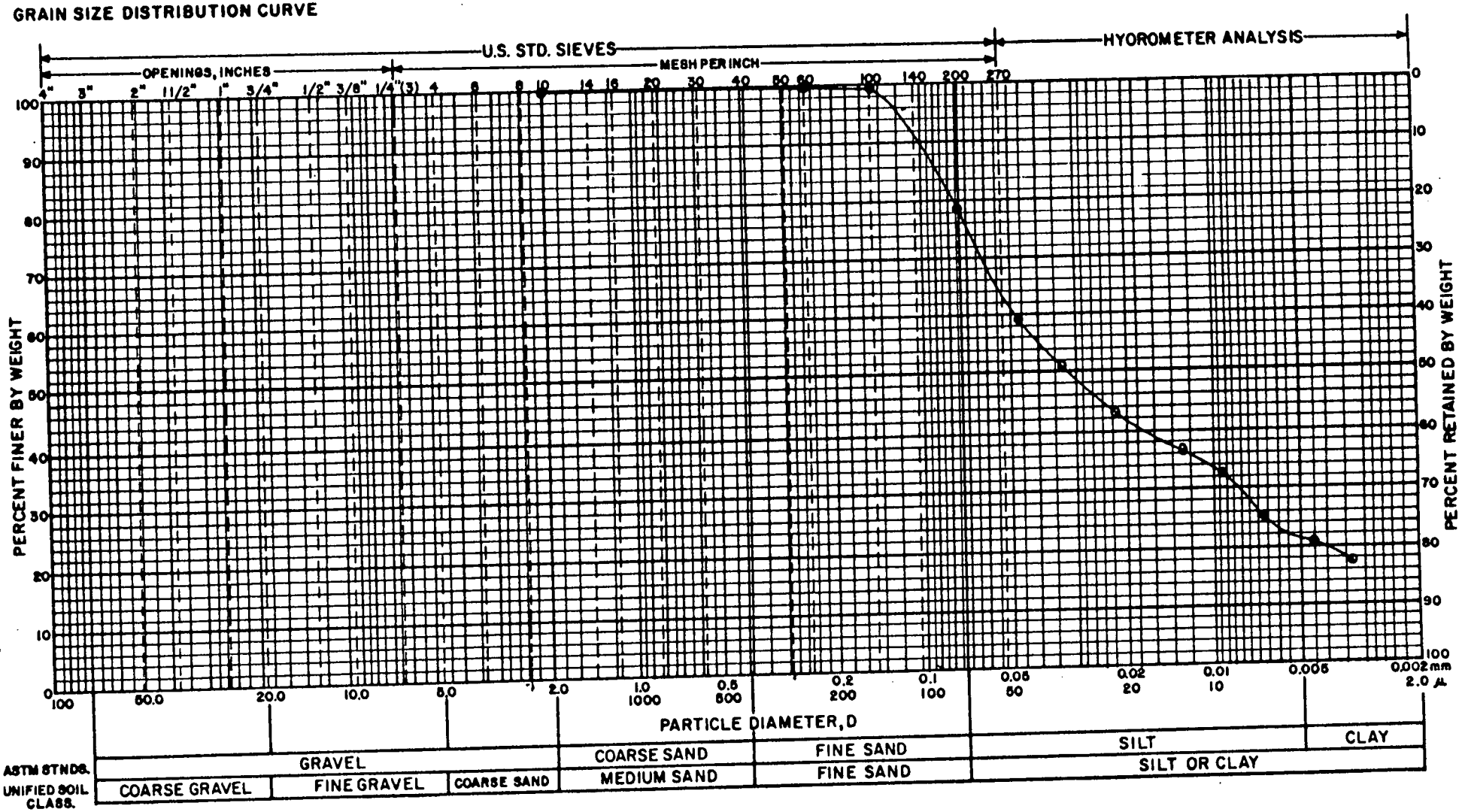
EMPIRE SOILS INVESTIGATIONS, INC.

MECHANICAL ANALYSIS

SPECIALITIES BUILDING
NOURY CHEMICAL CORPORATION
Burt, New York

DR. [redacted] CH'D GTG DATE: 8/79 PROJ. NO. BD-79-66

GRAIN SIZE DISTRIBUTION CURVE



SAMPLE INFORMATION:

Boring No.: B-4
Sample No: S-2
Depth: 2.0'-4.0'
Elevation: 107.7-105.7
Natural Moisture Content: 18.8%

EMPIRE SOILS INVESTIGATIONS, INC.

MECHANICAL ANALYSIS

SPECIALITIES BUILDING
NOURY CHEMICAL CORPORATION
BUR[redacted] NEW [redacted]ORK

ATTACHMENT 7.3-1

YEAR/DATE	WELL SITE (GROUND WATER)	COD (mg/1) SURFACE WATER (STORM SEWER)
1980		
12/16	2.3	
11/18	18	1111
10/29	4.4	11.3
8/26	15	460
7/30	17.1	41.9
6/17	3.1	112
5/21	8	20.8
4/22	15.5	15.0
3/19	34	37
1981		
11/25	4.0	14.0
10/28	6.0	18
7/22	1.9	5.8
6/10	10.2	29
2/25	4.8	1.6
1982		
3/31	2	12
5/5	8	2
6/9	4	6
10/6	6	404
11/17	2	22

CONFIDENTIAL

15 (12/75)

Received 10/22

ATTACHMENT 7.3-2

New York State Department of Environmental Conservation

MEMORANDUM

TO: J. Beecher

FROM: F. Yang F.Y

SUBJECT: Results of PCB Analysis of Class/NCC Samples

DATE: October 8, 1981

On September 29, three soil and grass samples on the Class property and on Noury Chemical Plant were submitted by Niagara County Health Department for PCB analysis.

Sample Designation	PCB Concentration
111-279-1 (DEC-92)	∠10 PPB
111-279-2 (DEC-91)	∠10 PPB
111-279-S (DEC-9S)	∠10 PPB

Trace amount of unidentified chlorinated organic compounds were detected in Samples DEC-91 and DEC-92. Detection limit for PCB analysis is 10 PPB.

sk

cc: Mr. Art Fossa(DEC/Buffalo/Air Resources)
Mr. John Malinchock(NCHD)

8. ADEQUACY OF AVAILABLE DATA TO PREPARE FINAL HRS

The available analytical data are insufficient for preparing final HRS scores. Waste products landfilled have not been monitored for in groundwater or surface water. In the event that groundwater and surface water contamination were confirmed, the maximum migration score which could be expected would be 10.12. Population at risk would be very low.

EA Communications
Print Shop

9. PHASE II WORK PLAN

Data on ground and surface water quality are necessary to prepare a final HRS. Data on the extent of contaminant migration are needed to prepare remedial cost estimates.

9.1 DETAILED WORK PLAN

9.1.1 OVA/Draeger Surveys

Survey known disposal areas (Attachment 7.1-1). Document hot spots as necessary.

9.1.2 Geophysical Surveys

Multi-depth EM surveys of known disposal areas (Attachment 7.1-1), expanding outward for plume definition as required. Resistivity confirmation as necessary.

9.1.3 Surface Water Survey

Temperature, pH, conductivity, and dissolved oxygen measurements in the wet area at the west end of the site, in creeks west and north of the site, and the site fire pond.

9.1.4 Test Borings and Observation Wells

The locations and depths of test borings and observation wells will be selected on the basis of the geophysical surveys.

For cost estimating purposes, it is assumed that two 4-inch PVC wells, screened from 10 to 20 feet, will be installed.

9.1.5 Water Quality Sampling

The location and number of surface water samples will be selected on the basis of the results of the surface water survey. For cost estimating purposes, it is assumed that two samples of surface water and two samples of ground water will be obtained for priority pollutant analysis.

9.2 HEALTH AND SAFETY PLAN

Activities

Phase II activities include: OVA/Draeger survey, boring, surface water, and ground water sampling.

General Corporate Occupational Health and Safety (COSH) Plan

The four levels of personnel protection which have been identified for use in the current project are summarized below.

Level 1: Self-Contained Positive Resource Demand--Breathing apparatus with fully encapsulated suit.

Level 2: Self-Contained Positive Resource Demand--Breathing apparatus (4-hour portable or line) with TYVEK-SARAN encapsulated disposable suit (with chemical splash suits as necessary), boots, and gloves (double NEOPRENE over VITON).

Level 3: Air purifying respirator with chemical cartridge (standard organics/acid gases/radionuclides/fumes/mists/dusts/particles), TYVEK-SARAN or polylaminated coveralls (with hood and booties), safety boots, gloves (NEOPRENE over VITON), hard hats with integral face shield and goggles, and personal first-aid kit.

Level 4: Ibidem Level 3 except respirator use is optional. Respirator must be available in beltpack at all times.

Additionally, specific standard operating procedure manuals will be developed for each phase of work. These manuals include instructions for use of respirators, Draeger tubes, and portable organic vapor analyzers (OVA). Emergency medical information will also be included. Basic field procedures such as site entry and exit will be presented.

Noury Site COSH Plan

Each of the activities expected to occur on any site may require a different level of protection. Likewise, the level of protection required may vary from site to site. The following level(s) of protection have been designated for use at the Noury site:

Level 3 OVA/Draeger survey; Level 3 or 4, depending on survey results.

Protective clothing for drilling, and possibly sampling, crews shall be TYVEK-SARAN, or chemical suits, given the possible reactivity of these materials.

9.3 COST ESTIMATE

Work Element	Estimated Cost
OVA/Draeger survey	$ 1,000
Geophysical survey	4,500
Surface water survey	700
Test borings and observation wells	4,500
Water quality sampling	800
Laboratory analysis	4,500
Remedial cost estimate	2,500
Report preparation	2,500
Project management and administration	3,000
Total Estimated Cost	$24,000

APPENDIX

HAZARDOUS WASTE DISPOSAL SITES REPORT, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

HAZARDOUS WASTE DISPOSAL SITES REPORT
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Code: _____
Site Code: 932030A,B
Name of Site: Noury Chemical Site Region: 9
County: Niagara Town/City Burt
Street Address 2153 Lockport - Olcott Rd.

Status of Site Narrative:

Disposal site on the property of Noury Chemical Corp. wastes buried from 1955 to 1978. Waste materials - benzoic acid sludges, benzoyl peroxide, oxylite wastes in trenches

Type of Site: Open Dump ☐ Treatment Pond(s) ☐ Number of Ponds _____
Landfill ☒ Lagoon(s) ☐ Number of Lagoons _____
Structure ☐

Estimated Size 100 Acres

Hazardous Wastes Disposed? Confirmed ☒ Suspected ☐

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
benzoic acid sludge	350 tons
benzoyl peroxide sludge	unknown
oxylite wastes, phosphate sludges, MEKP w/TBA, TMCH	"
Peroxides, Keetox, Sewage Sludge	"

* Use additional sheets if more space is needed.

Name of Current Owner of Site: Noury Chemical Corporation

Address of Current Owner of Site: 2153 Lockport - Olcott Rd, Burt N.Y.

Time Period Site Was Used for Hazardous Waste Disposal:

_____, 19 55 To _____, 19 78

Is site Active ☐ 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 ☐
Surface Water ☒ Soil ☒

Remedial Action: Proposed ☐ Under Design ☐
In Progress ☐ Completed ☐
Nature of Action:

Status of Legal Action: _____ State ☐ Federal ☐

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

X Assessment of Environmental Problems:

Lacking data. No populations served by surface water. Drinking water in area from Niagara County supply. Groundwater contamination near landfill is possible

Assessment of Health Problems:

X Persons Completing this Form:

Ecological Analysts Inc. _____
Middletown N.Y. _____
for: _____
New York State Department of Environmental Conservation
Date June 15, 1983

New York State Department of Health
_____
_____

6/3/81
RPM:cl