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

PHASE I - PRELIMINARY INVESTIGATION

FINAL REPORT

SPECTRUM FINISHING CORPORATION SITE

CONTRACT NO. D000452
NYSDEC SITE NO. 152029

Submitted To:
Division of Solid Waste
New York State
Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

Submitted By:
Woodward-Clyde Consultants, Inc.
1250 Broadway, 15th Floor
New York, New York 10001

September 20, 1984

82C4548

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

PHASE I - PRELIMINARY INVESTIGATION

FINAL REPORT

SPECTRUM FINISHING CORPORATION SITE

CONTRACT NO. D000452
NYSDEC SITE NO. 152029

Submitted To:
Division of Solid Waste
New York State
Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

Submitted By:
Woodward-Clyde Consultants, Inc.
1250 Broadway, 15th Floor
New York, New York 10001

September 20, 1984

82C4548

1250 Broadway, 15th Floor
New York, New York 10001
212-926-2878 (NY/NJ)
212-594-2118 (Direct)
Telex 133-541

Woodward-Clyde Consultants, Inc.

September 20,1984
82C4548

New York State Department of Environmental Conservation
Division of Solid Waste
Room 209
50 Wolf Road
Albany, New York 12233

Attention: Mr. Norman H. Nosenchuck
Director

Subject: Engineering Investigations at Inactive Hazardous Waste Sites in the State of New York
Phase I - Preliminary Investigation
Spectrum Finishing Corporation
NYSDEC No. 152029
EPA No. Not Available

Dear Sir:

This report presents the results of our Preliminary Investigation of the Spectrum Finishing Corp. site in West Babylon, Suffolk County, New York. This preliminary investigation fulfills the requirements of Phase I of our Contract No. D000452 to perform engineering investigations at 40 inactive hazardous waste sites in the State of New York. Phase II involves field investigation services at the sites.

The objective of Phase I was to:

- collect and review data
- perform a site reconnaissance
- prepare a draft Hazard Ranking System (HRS) and Documentation
- develop a specific site work plan for Phase II
- develop Phase II site investigation costs
- identify known responsible parties
- prepare a summary report

This report contains six sections. Section 1.0 includes a description of the site. Section 2.0 presents the preliminary HRS work sheets, the HRS documentation records, and EPA site assessment forms (2070-12 and 2070-13). Section 3.0 provides a brief summary of the history of site activities. Section 4.0 includes a discussion of existing site data. Section 5.0 provides an assessment of the data adequacy identifying major data gaps. Lastly, Section 6.0 presents the recommended Phase II Site Investigation Work Plan and costs. The sampling and analysis plan and the health and safety plan are not included. These are to be supplied by NYSDEC.

The Spectrum Finishing Corp. site consists of a one-story building containing electroplating, metal treating, and drum storage facilities. State and County authorities have determined that hazardous substances consisting primarily of heavy metals have been discharged into existing storm drains on site and that toxic substances have been stored improperly. An Order on Consent was issued to Spectrum Finishing Corp. by the SCDHS for alleged violations of Article 12 of the Suffolk County Sanitary Code. The Spectrum Finishing Corp. site is reportedly owned by William DeChirico of 50 Dale Street, West Babylon, New York.

The HRS scores developed for the Spectrum Finishing Corp. site are as follows:

S_M = 16.88 (S_{gw} = 29.21 S_{sw} = 0.0 S_a = 0.0)
S_{FE} = N/A
S_{DC} = 11.11

Adequacy of data must be evaluated in view of the source of the available information. Virtually all of the currently available site specific data were from SCDHS and NYSDEC files. No analyses of soils or ground water from the site have been conducted.

The work plan for Phase II (field investigations) is specifically designed to address the data gaps identified, and confirm allegations made regarding waste disposal. The location, extent, character and transport mechanism of the disposed wastes are relatively unknown. We have proposed a limited geophysical survey to better define the presence and location of contaminant plumes. We also propose to install three shallow (30 ± ft.) monitoring wells, and to conduct ground water and soil sampling and analyses. A detailed description of the work plan and estimated costs is provided in Section 6.0. The total estimated cost for Phase II investigations at the Spectrum Finishing Corp. site is $23,907.

If there are any questions or comments concerning the work plan or any other portion of the Phase I report, please do not hesitate to contact us.

Very truly yours,

Donald R. Ganser

Donald R. Ganser,
Project Manager

DRG/cp
C643/130

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

Appendix

1.0
SITE DESCRIPTION

Spectrum Finishing Corp. is located at 50 Dale Street in West Babylon, New York (Figure 1). The site is located in southwesten Suffolk County, approximately 2¼ miles east of the Nassau County line.

The site vicinity is characterized as relatively flat with an average ground slope of less than 1%. The area is entirely developed and paved with surface run-off confined to storm sewers. Spectrum Finishing Corp. occupies a one story building in a heavily industrialized area. Numerous commercial and manufacturing facilities surround the site. Large cemeteries are located to the north, south, and west of the site while the Babylon landfill is located approximately ¼ mile to the east.

Spectrum Finishing Corp. presently consists of a 700 square foot building containing electroplating, treatment, office, and drum storage facilities. Surrounding the building are on-site drum storage, parking, underground leaching tanks and a storm drain. At the time of the WCC site survey (April, 1983) Spectrum Finishing Corp. was an active electroplating facility engaged in the application of plating high strength alloys for the aerospace industry. Electroplating of copper, cadmium, chromium, and nickel are performed as well as descaling of titanium alloys (Jacobsen, 1968).

2.0
U.S. ENVIONMENTAL PROTECTION AGENCY DOCUMENTATION

This section includes documentation records and work sheets required to develop Hazard Ranking System (HRS) scores. In addition, two EPA forms regarding site inspection and preliminary assessment have been completed and are included as required.

Documents included in this section are:

1. Preliminary Hazard Ranking System (HRS) Work Sheets
2. Documentation Records for HRS
3. EPA Form 2070-12 (Preliminary Assessment)
4. EPA Form 2070-13 (Site Inspection Report)

All forms were prepared as completely as possible using information available from county, state, and federal agency files. However, site-specific data are very sparce and consist primarily of SCDHS reports and laboratory test results. All information provided in the Documentation Records for HRS is referenced, and copies of most references are included in Appendix B.

2.1 Preliminary HRS Work Sheets

Facility Name: Spectrum Finishing Corp.

Location: West Babylon, NY

EPA Region: II

Person(s) in Charge of the Facility: William DeChirico

Name of Reviewer: C. Mancini, WCC **Date:** 6 Sept 83

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.)

Site operations include plating, painting and cleaning with inside drum storage and tankage, outside drum storage and underground leaching tanks. Contaminants recovered in storm water and leaching tank include heavy metals, toluene and methyl ethyl ketone. The route of major concern is ground water, largely due to well proximity and population served.

34.37 to 36.61

Scores: S_M = 16.88 (S_{gw} = 29.21 S_{sw} = 0.0 S_a = 0.0)

S_{FE} = N/A

S_{DC} = 11.11

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	2	3	3.3
4 Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 (12) 15 18	1	12	18	
Hazardous Waste Quantity	0 1 (2) 3 4 5 6 7 8	1	2	8	
Total Waste Characteristics Score			14	26	
5 Targets					3.5
Ground Water Use	0 1 (2) 3	3	6	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 36 (40)	1	40	40	
Total Targets Score			46	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	16,744			57,330	
7 Divide line 6 by 57,330 and multiply by 100	S_{gw} = 29.21				

alt. water source (34,086 59.46 min)

sole water source 65.33 max

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	0	3	
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	
Distance to Nearest Surface Water	(0) 1 2 3	2	0	6	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			5	15	
3 Containment	0 1 (2) 3	1	2	3	4.3
4 Waste Characteristics					4.4
Toxicity/Persistence	0 3 6 9 (12) 15 18	1	12	18	
Hazardous Waste Quantity	0 1 (2) 3 4 5 6 7 8	1	2	8	
Total Waste Characteristics Score			14	26	
5 Targets					4.5
Surface Water Use	(0) 1 2 3	3	0	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			0	55	
6 If line 1 is 45, multiply 1 x 4 x 5 / If line 1 is 0, multiply 2 x 3 x 4 x 5		0		64,350	
7 Divide line 6 by 64,350 and multiply by 100	S_{sw} = 0.0				

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 = 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			0	35,100	
5 Divide line 4 by 35,100 and multiply by 100	S_a = 0.0				

	S	S^2
Groundwater Route Score (S_{gw})	29.21	853.22
Surface Water Route Score (S_{sw})	0.0	0.0
Air Route Score (S_a)	0.0	0.0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		853.22
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		29.21
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73$		$S_M = 16.88$

WORKSHEET FOR COMPUTING S_M

N/A

FIRE AND EXPLOSION WORK SHEET

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

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	2	3	8.2
3	Containment	0 (15)	1	15	15	8.3
4	Waste Characteristics Toxicity	0 (1) 2 3	5	5	15	8.4
5	Targets					8.5
	Population Within a 1-Mile Radius	0 1 2 3 (4) 5	4	16	20	
	Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
	Total Targets Score			16	32	
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5	2400			21,600	
7	Divide line 6 by 21,600 and multiply by 100	S_{DC} = 11.11				

2.2 Documentation Records for HRS

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: Spectrum Finishing Corp.

LOCATION: West Babylon, New York

GROUND WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (5 maximum):

None known.

Rationale for attributing the contaminants to the facility:

N/A.

* * *

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:

Upper glacial aquifer; Magothy aquifer (Jensen and Soren, 1974; Kimmel and Braids, 1980)

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

16 feet - (Kimmel and Braids, 1980; USGS, 1979a).

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

Not known.

Net Precipitation

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

46 inches (User's Manual).

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

31 inches (User's Manual).

Net precipitation (subtract the above figures):

15 inches

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Sandy loam (SCS, 1975).

Permeability associated with soil type:

$< 10^{-3}$ $\geq 10^{-5}$ cm/sec (User's Manual).

Physical State

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

Liquid (Jacobsen, 1968).

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Outside above ground storage tanks (SCDHS, 1981).

LEACH POOLS / Storm Drains Discharge to ground no Liners

Method with highest score:

Containers : ~~2~~ (User's Manual.) 3 =3

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

Cadmium, chromium, copper, iron, nickel, zinc toluene, 2-butanone (Jacobsen, 1968). See Samples SCHD 150mg/L Cad. in storm drains 2/26/82 not violation and other notices in appendix

Compound with highest score:

~~heavy metals~~ cadmium 18 : ~~12~~ (User's Manual) METALS = 18

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):

~~About 11,000 gallons.~~ unknown use 1 present in leachpools and storm drain

Basis of estimating and/or computing waste quantity:

~~15 years operation~~ x 200 gallons per day waste water x 365 days x 1% assumed leakage from tanks (Jacobsen, 1968).

~~1960 → PRESENT QUANTITY?~~

5. TARGETS

Ground Water Use

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

Public supply wells, industrial and irrigation wells.
(SCDHS, 1980; USGS, 1979a; Kimmel and Braids, 1980).

Distance to Nearest Well

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

Edison Avenue (NYSDEC, 1983).
(New Montefiore Cemetery)

Distance to above well or building:

Approximately 1000 feet (USGS, 1979a).

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:

Public water supply well fields for:
South Huntington 51,266
Babylon 377,000 (Suffolk County Water Authority)
East Farmingdale 5,200

(NYSDEC 1983b; Rand McNally, 1983).

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

None.

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

Approximately 435,000 (NYSDEC, 1983b).

SURFACE WATER ROUTE

1. OBSERVED RELEASE

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

None known.

Rationale for attributing the contaminants to the facility:

N/A.

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Less than 3 percent (WCC Site Survey, 1983).

Name/description of nearest downslope surface water:

Santapogue Creek (USGS, 1979b).

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

Less than 1 percent (USGS, 1979a, USGS, 1979b).

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

No (WCC, Site Survey, 1983).

Is the facility completely surrounded by areas of higher elevation?

No (WCC Site Survey, 1983).

1-Year 24-Hour Rainfall in Inches

2.7 inches (User's Manual).

Distance to Nearest Downslope Surface Water

2.5 miles (USGS, 1979a).

Physical State of Waste

Liquid (Jacobsen, 1968).

* * *

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Outside above ground storage tanks (SCDHS, 1981).

Method with highest score:

Containers : 2 (User's Manual).

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

See: Ground Water.

Compound with highest score:

See: Ground Water.

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):

About 11,000 gallons. UNTIL 1968 ?

Basis of estimating and/or computing waste quantity:

See: Ground Water.

* * *

5. TARGETS

Surface Water Use

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

None (USGS, 1979b).

Is there tidal influence?

No (USGS, 1979a; USGS, 1979b).

Distance to a Sensitive Environment

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

None (NYSDEC, 1975a).

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

None (NYSDEC, 1975b).

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

None (NYSDEC, 1983a; U.S. Fish and Wildlife Service, 1983).

Population Served by Surface Water

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

N/A.

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

N/A.

Total population served:

N/A.

Name/description of nearest of above water bodies:

N/A.

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

N/A.

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

None known.

Date and location of detection of contaminants:

N/A.

Methods used to detect the contaminants:

N/A.

Rationale for attributing the contaminants to the site:

N/A.

* * *

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

None known.

Most incompatible pair of compounds:

None known.

Toxicity

Most toxic compound:

None known.

Hazardous Waste Quantity

Total quantity of hazardous waste:

About 11,000 gallons.

Basis of estimating and/or computing waste quantity:

See: Ground Water.

* * *

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
203,199	4281	33	33

(Donnelly Marketing, 1982)

Distance to a Sensitive Environment

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

None (NYSDEC, 1975a).

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

None (NYSDEC, 1975b).

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

None (NYSDEC, 1983).

Land Use

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

Immediately adjacent to site (WCC Site Survey, 1983).

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

None (USGS, 1979a; USGS, 1979b).

Distance to residential area, if 2 miles or less:

1500 feet (USGS, 1979a).

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

None known.

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

None (NYS Department of Agriculture and Markets, 1983).

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

No (NYS Parks and Recreation, 1983).

2.3 EPA Form 2070-12

(Preliminary Assessment)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	N/A

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
SPECTRUM FINISHING CORP.	50 DALE ST.				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
WEST BABYLON	NY	11704	SUFFOLK	103	
09 COORDINATES LATITUDE	**LONGITUDE**				
40 43 56.0	73 23 34.0				

10 DIRECTIONS TO SITE (Starting from nearest public road)

east on Southern State Parkway, north on Wellwood Ave., east on Edison Ave. and north on Dale Street.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
WILLIAM DE CHIRICO	50 DALE ST.			
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 TELEPHONE NUMBER**	
WEST BABYLON	NY	11704	(516) 694-0306	
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 4 / 22 / 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): WOODWARD-CLYDE CONSULTANTS (WCC)

02 SITE STATUS (Check one)	03 YEARS OF OPERATION		
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	1968 (BEGINNING YEAR)	PRESENT (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

IRON, COPPER, CADMIUM, NICKEL, ZINC, CHROMIUM

TOLUENE, 2-BUTANONE

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

HIGH CONCENTRATIONS OF HEAVY METALS AND ORGANIC SOLVENTS POTENTIALLY ENTERED THE GROUND WATER AND SOILS BENEATH THE SITE. POTENTIAL FOR CONTAMINANTS TO MIGRATE DOWN GRADIENT AND AFFECT PUBLIC WATER SUPPLIES.

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
WILLIAM ROBERTS	SUFFOLK CO. DEPT. OF HEALTH SERVICES (SCDHS)	(516) 451-4627

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
DONALD R. GANSER		Woodward-Clyde (WCC) Consultants, Inc.	(212) 930-2878 (201) 785-0700	8 / 8 / 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
NY	N/A

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

- TONS
- CUBIC YARDS 55
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			UNKNOWN VOLUME
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	55	CY	UNKNOWN VOLUME

V. 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
SOL	TOLUENE	108-88-3	TANK	93	ppb
SOL	2-BUTANONE		"	500	ppb
MES	CHROMIUM		"	1.2	mg/l
MES	CADMIUM		"	12000	"
MES	COPPER		"	740	"
MES	IRON		"	160	"
MES	NICKEL		"	38	"
MES	ZINC		"	32	"

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)

SCDHS
USGS - Amityville, N.Y. Quadrangle, 7.5 min. topographic map (1979)

EPA FORM 2070-12 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	N/A

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 435,000
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

POTENTIAL FOR HAZARDOUS WASTES LEAKING FROM TANKS TO ENTER GROUND WATER

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

POTENTIAL FOR HEAVY METAL CONTAMINATION OF SURFACE RUN OFF DURING STORMS

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

No information available (N/A)

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

N/A

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

N/A

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

POTENTIAL FOR HAZARDOUS WASTES LEAKING FROM TANKS TO CONTAMINATE SOILS UNDERLYING SITE.

01 [X] G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 435,000
02 [ ] OBSERVED (DATE: _____) [X] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

POTENTIAL FOR CONTAMINATION OF PUBLIC WATER SUPPLIES DOWN GRADIENT FROM SITE

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

N/A

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

N/A

EPA FORM 2070-12 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	N/A

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

N/A

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

N/A

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

N/A

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☐ OBSERVED (DATE: 1/82) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN
04 NARRATIVE DESCRIPTION

OUTSIDE TANK AND DRUMS ALLEGEDLY LEAKING WASTE ONTO GROUND

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

N/A

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: 3/9/83) ☐ POTENTIAL ☒ ALLEGED
04 NARRATIVE DESCRIPTION

WATER IN STORM DRAIN FOUND TO BE CONTAMINATED WITH HEAVY METALS.

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

WASTE PRODUCTS ALLEGEDLY WERE DISCHARGED INTO STORM DRAINS

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

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 435,000

V. COMMENTS

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

SCDHS

EPA FORM 2070-12 (7-81)

2.4 EPA Form 2070-13

(Site Inspection Report)

2.4 EPA Form 2070-13

(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
NY	N/A

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
SPECTRUM FINISHING CORP.	50 DALE ST.				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
WEST BABYLON	NY	11704	SUFFOLK	103	

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
40 43 56.	73 23 34.	☒ 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
4 / 22 / 83 (MONTH DAY YEAR)	☒ ACTIVE ☐ INACTIVE	1968 (BEGINNING YEAR) / PRESENT (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 (WCC Woodward-Clyde Consultants, Inc.) (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
H. GOLD	STAFF GEOLOGIST	WCC	(201) 785-0700

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

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
GENE PAPALLARDO	MAINTANENCE SUPERVISOR	50 DALE ST. W. BABYLON NY	(516) 694-0306
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1530	CLOUDY, BREEZY

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
WILLIAM ROBERTS	(SCDHS) Suffolk County Dept. of Health Services	(516) 451-4627

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
DONALD R. GANSER.		Woodward-Clyde (WCC) Consultants, Inc.	(212) 972-7878 (201) 785-0700	8 / 8 / 83 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	N/A

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

- TONS
- CUBIC YARDS: 55
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			UNKNOWN VOLUME
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	55	CY	UNKNOWN VOLUME

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
SOL	TOLUENE	108-88-3	TANK	93	ppb
SOL	2-BUTANONE		"	500	"
MES	CHROMIUM		"	1.2	mg/l
MES	CADMIUM		"	12000	"
MES	COPPER		"	340	"
MES	IRON		"	160	"
MES	NICKEL		"	38	"
MES	ZINC		"	32	"

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)

SCDHS

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: NY	02 SITE NUMBER: N/A

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 435,000
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

POTENTIAL FOR HAZARDOUS WASTES LEAKING FROM TANKS & DRUMS TO ENTER GROUND WATER

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

POTENTIAL FOR HEAVY METALS CONTAMINATION OF SURFACE RUN OFF DURING STORMS.

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

N/A

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

N/A

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

N/A

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

POTENTIAL FOR HAZARDOUS WASTES LEAKING FROM TANKS TO CONTAMINATE SOILS UNDERLYING SITE.

01 [X] G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 435,000
02 ☐ OBSERVED (DATE: _____) [X] POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

POTENTIAL FOR CONTAMINATION OF PUBLIC WATER SUPPLIES DOWN GRADIENT FROM SITE.

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

N/A

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

N/A

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	N/A

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

N/A

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

N/A

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

N/A

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids/Leaking drums) — 02 ☐ OBSERVED (DATE 1/82) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN
04 NARRATIVE DESCRIPTION

OUTSIDE TANK AND DRUMS ALLEGEDLY LEAKING WASTES ONTO GROUND.

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

N/A

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE 3/9/82) ☒ POTENTIAL ☒ ALLEGED
04 NARRATIVE DESCRIPTION

- WATER IN STORM DRAIN FOUND TO BE CONTAMINATED WITH HEAVY METALS.

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

WASTE PRODUCTS ALLEGEDLY WERE DISCHARGED INTO STORM DRAINS

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

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 435,000

IV. COMMENTS

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

SCDHS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	N/A

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 STORM DRAIN (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

0.5 (Acres)

07 COMMENTS

STORAGE OF HAZARDOUS MATERIALS OUTDOORS
DRUMS NOTICED LEAKING WASTES

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.

DRUMS LEAKING HAZARDOUS MATERIALS ONTO GROUND
IMPROPER STORAGE OF DRUMS OUTDOORS

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO
02 COMMENTS

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

SCDHS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	N/A

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

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

02 STATUS

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

03 DISTANCE TO SITE

A. 0.25 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

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

02 POPULATION SERVED BY GROUND WATER 435,000

03 DISTANCE TO NEAREST DRINKING WATER WELL 0.25 (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
16 (ft)	SOUTH EAST	~16 (ft)	Unknown (gpd)	☐ YES ☒ NO

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

PUBLIC WATER SUPPLY WELLS, INDUSTRIAL WELLS, IRRIGATION WELLS FOR LAWNS & CEMETERIES LOCATED WITHIN 3 MILE RADIUS OF SITE

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

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
NONE KNOWN	☐	(mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	FOUR (4) THREE (3) MILES OF SITE
A. 4281 NO. OF PERSONS	B. 35621 NO. OF PERSONS	C. 203199 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: < 0.25 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
~3000	0 (mi)

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

SITE IS LOCATED IN INDUSTRIALIZED AREA ALONG WITH MANY OTHER COMMERCIAL & MANUFACTURING BUSINESSES. SITE SURROUNDED BY CEMETERIES AND BARRON LANDFILL.

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	N/A

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

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

02 PERMEABILITY OF BEDROCK (Check one)

☒ A. IMPERMEABLE (Less than 10^{-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	
1400 (ft)	unknown (ft)	unknown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
15 (in)	2.7 (in)	< 3 %	SOUTH	0.5 %

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	OTHER
A. — (mi)	B. — (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

— (mi)

ENDANGERED SPECIES: —

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. 0 (mi)	B. 0.25 (mi)	C. — (mi)	D. — (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

SITE IS IN RELATIVELY FLAT TERRAIN; ENTIRELY DEVELOPED, PAVED AREA.

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

SCDHS

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	N/A

II. SAMPLES TAKEN

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

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
	NONE

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☐ AERIAL

02 IN CUSTODY OF _____
(Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS: WOODWARD - CLYDE CONSULTANTS FILES

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

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

SCDHS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	N/A

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
WILLIAM DE CHIRICO	

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

05 CITY	06 STATE	07 ZIP CODE
WEST BABYLON	NY	11704

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)

SCDHS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	N/A

II. CURRENT OPERATOR (Provide 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

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)

SCDHS

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
NY	N/A

II. ON-SITE GENERATOR

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

III. OFF-SITE GENERATOR(S)

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

SC DHS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION
01 STATE: NY | 02 SITE NUMBER: N/A

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 1981-1982 | 03 AGENCY _____
04 DESCRIPTION
MISC. WASTES SCAVANGED BY PATTERSON CHEMICAL CO.

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 FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	N/A

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)*

SCDHS

EPA FORM 2070-13 (7-81)

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NY	N/A

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

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

ORDER ON CONSENT - SCDHS, MAY 1975

ORDER ON CONSENT - SCDHS, DECEMBER 1981

HEARING CONDUCTED ON MAY 11, 1982 BY SCDHS
SPECTRUM FINISHING AGREED TO PAY FINES

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

SCDHS

EPA FORM 2070-13 (7-81)

3.0
SITE HISTORY

The Spectrum Finishing Corp. has operated on the site since at least 1968 to the present (WCC, 1983). The facility is currently operated by William DeChirico, Vice President of Spectrum Finishing Corp.

From 1970 to 1975 site inspections and sampling by the SCDHS revealed discharges of hazardous wastes into storm drains and leaks from holding tanks (chronology and history of Spectrum Finishing Corp., undated, in Appendix B). High concentrations of heavy metals (iron, copper, cadmium, nickel, and chromium) were noted from samples taken from the leaching tank, storm drain, and site runoff (SCDHS, 1970; 1974; 1975). An Order on Consent was issued in May 1975 to seal all outside tanks to prevent any further leakage (NYSDEC, 1975c). A second Order on Consent was issued in December 1981 to : 1) stop discharges of hazardous substance to the ground water, 2) obtain all necessary permits, and 3) move toxic waste storage indoors (SPDHS, 1981).

High concentration of heavy metals were still being observed in early 1982 (SCHDS, 1982b). In June 1982, a Finding of Fact, Recommendation, Decision and Order was issued to the Spectrum Finishing Corp. in violation of Article 12 of the Suffolk County Sanitary Code. The SCDHS recommended that: 1) the storm drain be abandoned, 2) drain covers be installed and 3) necessary permits be applied for (SCDHS, 1982).

As recently as May 1983, high concentrations of toluene and 2-Butanone (MEK) have been sampled from the sanitary pool on the north side of the existing building (SCDHS 1983a; 1983b).

Currently waste acid solutions are being stored in 55 gallon polyproplene containers inside the building and picked up periodically by an industrial waste scavenger (Donnelly Engineering, 1982).

4.0
SITE DATA

4.1 Site Area Surface Features

The site of the Spectrum Finishing Corp. is located in a generally flat area with an average, ground surface slope of less than 3%.

There are no surface water features in the vicinity of the site. The area surrounding the site is paved and surface run-off is via existing storm drains.

The predominant land use in the area is industrial. The site is surrounded by existing manufacturing and commercial facilities. The Babylon landfill is located approximately ¼ mile east of the site. Cemeteries are located north, west, and south of the site vicinity.

4.2 Site Hydrogeology

4.2.1 Ground Water Occurrence. Ground water in the site area occurs in unconsolidated sediments of Pleistocene and Cretaceous age. These deposits are approximately 1400 feet thick and overlie Precambrian crystalline bedrock (Taney, 1961; Jensen and Soren, 1974). The low hydraulic conductivity bedrock is considered to be the bottom of the ground water reservoir (Jensen and Soren, 1974).

The site area is directly underlain by glacial outwash deposits consisting of coarse sand and gravel. These deposits comprise the upper glacial aquifer and were approximately 74 feet thick at the Babylon landfill just

east of the site (Kimmel and Braids, 1980). Ground water in the upper glacial aquifer occurs at an elevation of 47 feet above MSL which translates to approximately 16 feet below the ground surface at the site (Kimmel and Braids, 1980). The water table has a hydraulic gradient of 8 feet per mile (Kimmel and Braids, 1980) in a southeasterly direction.

Underlying the upper glacial aquifer is the Gardiners Clay. This deposit is approximatley 10 feet thick under the site area and acts as a barrier to the vertical movement of water because of its low hydraulic conductivity (Kimmel and Braids, 1980).

The second major water bearing unit underlying the site area is the Cretaceous Magothy Formation. The Magothy aquifer is a major aquifer throughout most of Long Island and is hydraulically linked to the upper glacial aquifer. The Magothy aquifer consists of predominantly fine to coarse sand interbedded with clay, silt and lignite. It is believed to be approximately 800 feet thick in the site area (Taney, 1961; Jensen and Soren, 1974).

The Magothy aquifer directly overlies the clay member of the Cretaceous Raritan Formation. The clay in turn overlies and confines the Lloyd Sand member of the Raritan Formation, which constitutes the deep confined aquifer in the site area (Taney, 1961; Jensen and Soren, 1974). The Lloyd Sand consists of stratified beds of sand, gravel, silt and clay.

Underlying the members of the Raritan Formation is crystalline bedrock of Precambrian age. The bedrock surface dips approximately 60 feet per mile to the southeast, as do the overlying Cretaceous formations (Taney, 1961; Franke and McClymonds, 1982).

4.2.2 Ground Water Quality. Ground water quality in Suffolk County is generally good, typically containing less than 100 ppm dissolved solids (51 mg/l in the vicinity of the Babylon landfill). Local contamination by domestic waste, industrial

waste, and road salt has caused some alteration of the regional quality of the ground water (Kimmel and Braids, 1980).

Water quality samples from the Babylon landfill show that the water in the upper glacial aquifer has been contaminated by domestic waste with high concentrations of ammonia, nitrate, calcium, sodium, sulfate, and chloride (Kimmel and Braids, 1980).

A plume of leachate-enriched water eminating south eastward from the Babylon landfill has been delineated on the basis of specific conductance. Specific conductance ranges between 1,000 and 2,000 micromhos (umho) throughout the plume; however values between 200 and 400 umho have been measured in wells outside the boundary of the plume in the vicinity of the site area (Kimmel and Braids, 1980).

4.3 Past Sampling and Analysis

Past sampling and analysis at the site has been confined to samples of the waste collected from a storage tank, storm drain, sanitary pool, and surface puddle. All available analytical results are included in Appendix B.

Sampling and water quality analysis from existing wells in the vicinity of the site has been conducted for a study of the leachate plume from the Babylon landfill (Kimmel and Braids, 1980).

There has been no reported soil or air quality sampling for the site area.

5.0
DATA ADEQUACY

Existing available data were generally adequate for HRS scoring of the Spectrum Finishing Corp. site. Information on operations was taken from a report describing the electroplating facility (Jacobsen, 1968). Files of the Suffolk County Department of Health Services (SCDHS) and the WCC site survey were also significant data sources.

Completeness of the data allowed scoring of all factors with some degree of certainty. The major route of concern is ground water, with a score of 29.21. This score is largely due to well proximity and population served.

6.0
WORK PLAN

6.1 Objectives

Because there has been no reported previous sampling of ground water and soils at the site, the objective of this proposed work plan is to collect essential field information required to adequately prepare a final HRS Score and recommendations for remedial action. For this site, the work plan will primarily address questions concerning ground water flow and quality and extent of the soil contamination.

6.2 Field Investigation Plan

6.2.1 Geophysical Studies. A geophysical survey utilizing the terrain conductivity technique will be performed at the site. This technique may be utilized to locate subsurface plumes resulting from leakage of the underground tanks. For this purpose, measurements will be taken around the site vicinity especially in the south and east direction which is downgradient of the facility. Ground water flow is assumed to be in a southeasterly direction. Furthermore, these measurements could help identify anomalous conductivity distributions that may indicate buried metallic objects such as tanks and pipes. The data will be plotted on maps and contoured. These contour maps will provide the basis for defining the number and location of ground water monitoring wells.

It is anticipated that a two person team will require two days to perform the conductivity survey, with readings taken for exploration depths of approximately 25 feet.

6.2.2 Monitoring Wells

6.2.2.1 Installation. Monitoring wells will be installed to provide data pertinent to both water chemistry and characterization of the stratigraphy and ground water regime at the site. It is recommended that three monitoring wells be installed, at the approximate locations shown in Figure 2. Finalized well locations will be determined after the geophysical data has been plotted and reduced. These locations will depend also on the utility search in order to avoid underground obstacles and on accessibility behind the plant building.

One well (MW-1) will be installed at a presumed upgradient location, on the north side of the site. This well will provide background data on the ground water flowing into the area.

Two monitoring wells will be required to monitor downgradient flow directions and water quality. Wells MW-2 and MW-3 will be installed at the approximate locations shown in Figure 2. These two locations will provide a opportunity for interception of any contaminant plume, from the wastes which have leaked from underground storage tanks.

All monitoring wells will be installed so as to sample the upper 10 feet of ground water. It is assumed that the ground water table will be within 20 feet of the ground surface and that total well depth will not exceed 30 feet.

Borings will be advanced through the overburden by 6-inch I.D. hollow stem augers or driven casing, with continuous split spoon sampling through the upper 15 feet of soil, and at 5-foot intervals below 15 feet. Soil samples will be classified in the field by a hydrogeologist. Selected samples will be sent to our geotechnical laboratory for grain size analysis and Atterberg Limits testing. To maximize information on any volatile organic contaminants, headspace analyses

will be conducted on soil samples, using a portable gas chromatograph. These data will be used to evaluate relative concentrations of organic contaminants in various stratigraphic horizons.

Slotted 3-inch I.D. PVC well screen will be installed over 10-foot intervals in each well, with a riser of flush joint, threaded, 3-inch I.D. PVC pipe. Where necessary, risers will extend at least 3 feet above the ground surface to prevent contamination by surface water flooding. A gravel pack will be completed to approximately 2 feet above the top of the screen, where a 1-foot bentonite seal will be installed. To further assure that water samples will be representative of the screened interval, the remaining annular space will be grouted, and a protective steel casing will be installed. After installation, the wells will be developed by pumping, to remove any fine grained material.

It is estimated that 8 days will be required to conduct drilling and well installation operations at the site. This time also includes surveying of well elevations, organic vapor analysis, and slug-type permeability testing.

6.2.2.2 Water Elevations. Ground water depths will be measured at the time of well development and again at the time of pumping. Relative well elevations will be surveyed by WCC personnel. Water elevations will be plotted and used to develop contours of the ground water table at the site. Based on this map, the direction(s) of ground water flow will be calculated.

Flow and gradient data will be fundamentally input in quantifying site conditions and will be assessed together with plume geometries (if any) inferred from geophysical survey data.

6.2.2.3 Aquifer Testing. "Slug"-type permeability tests will be conducted in each newly installed well to evaluate the permeabiltiy of materials spanning the screened interval. The method is a rapid means by which the in-situ permeability in the immediate vicinity of a monitoring well can be approximated.

The test does not involve pumping of potentially contaminated water, and results generally suffice for ground water flow analysis.

6.2.3 Sampling and Analysis Plan

6.2.3.1 General Plan. Sampling and analysis plan to be supplied by NYSDEC.

6.2.3.2 Sampling Parameters. Previous sampling at the site is limited to the waste materials at the surface. Therefore, the laboratory analysis will focus on chemical screening techniques to determine the range of concentration and the migration of contamination in ground water and contamination of subsurface soils. Sampling parameters will cover a variety of contaminants, including heavy metals, volatile and non-volatile organics. In addition, air quality will be assessed to determine whether volatile organics are being released from the site towards adjacent residential areas. A portable HNU analyzer or an Organic Vapor Analyzer (OVA) will be used to conduct this survey. Sample types and chemical parameters are summarized in Table 6-1.

It is estimated that 2 days will be required to conduct the field sampling of ground water and air monitoring.

6.2.3.3 Sampling Locations. One water sample and one soil sample from each of the three ground water monitoring wells will be analyzed. Results of each pair of analyses will be compared to evaluate any downward migration of contaminants through soil. Ground water analyses will be evaluated in terms of other hydrogeologic data to evaluate the presence, distribution, and migration directions of any ground water contaminant plumes. Air quality will be assessed in upwind and downwind locations.

6.3 Health and Safety Plan

Health and Safety Plan to be supplied by NYSDEC.

6.4 Cost Estimate

Costs for Phase II work were developed based on assumptions, rates, and charges described in WCC's cost proposal submitted to NYSDEC on 29 October 1982. Costs have been grouped by task, and estimates are presented in Tables 6-2, 6-3, 6-4, 6-5, and 6-6. Costs my be affected by the contents of the sampling and analysis plan or the health and safety plan to be supplied by NYSDEC. The total estimated cost for Phase II investigations at the Spectrum Finishing Corp. site is $23,907.

Table 6-1. PROPOSED CHEMICAL ANALYSES AT THE SPECTRUM FINISHING CORP. SITE.

	ANALYSES			
Sample Type	Metals	Volatile Organics	Non-Volatile Organics	Remarks
Ground Water	X	X	X	One sample at each of three wells.
Soil	X	X	X	One sample from unsaturated zone at each of three wells.
Air		X		Upwind and downwind locations using HNU or OVA.

TABLE 6-2. GEOPHYSICAL STUDIES' COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items				
c. Other				
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	40	12.62	505	
		Total Direct Labor		$ 505
	O H Rate	X Base		
4. Labor Overhead				
Labor Overhead	120%	505	606	
		Total Labor Overhead		$ 606
5. Special Testing				
6. Special Equipment - Terrain Conductivity Equipment (EM-34)				$ 400
7. Travel				
a. Transportation			25	
b. Subsistence			120	
		Total Travel		$ 145
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
10.		**Total Direct Costs and Overhead**		$1,656
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 188
12. Royalties				-
13.		**Sub Total**		$1,844
14. Fee			166	
15.		**Total Estimated Cost**		$2,010

TABLE 6-3. DRILLING/WELL INSTALLATION COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items			$ 6,185	
c. Other				
		Total Direct Material		$ 6,185
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	80	12.62	1010	
		Total Direct Labor		$ 1,010
	O H Rate	X Base		
4. Labor Overhead				
Labor Overhead	120%	1010	1,212	
		Total Labor Overhead		$ 1,212
5. Special Testing				
6. Special Equipment				
Century Organic Vapor Analyzer			250	
Photovac 10A10 Gas Chromatograph			450	
		Total Special Equipment		$ 700
7. Travel				
a. Transportation			50	
b. Subsistence			480	
		Total Travel		$ 530
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
10.		**Total Direct Costs and Overhead**		$ 9,637
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 1,446
12. Royalties				-
13.		**Sub Total**		$ 11,083
14. Fee			997	
15.		**Total Estimated Cost**		$ 12,080

TABLE 6-4. SAMPLING AND ANALYSIS COSTS.

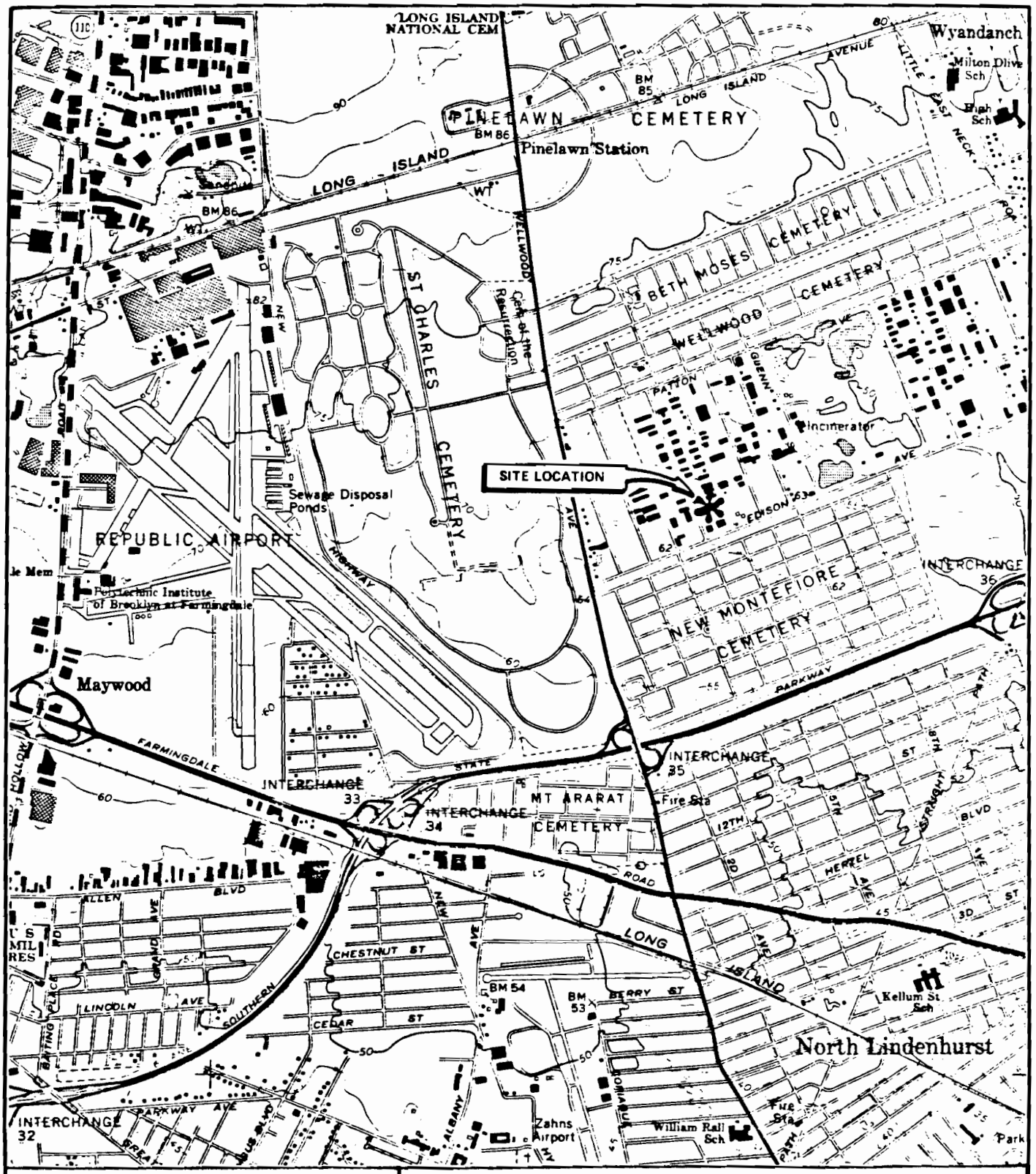
			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items			$ 3,400	
c. Other				
		Total Direct Materials		$ 3,400
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	20	11.54	231	
		Total Direct Labor		$ 231
	O H Rate	X Base		
4. Labor Overhead				
Labor Overhead	120%	231	277	
		Total Labor Overhead		$ 277
5. Special Testing				$ 819
6. Special Equipment - Pumps, Bailers				$ 100
7. Travel				
a. Transportation			25	
b. Subsistence			60	
		Total Travel		$ 85
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
Sample Shipment			250	
		Total Other Direct Costs		$ 250
10.		**Total Direct Costs and Overhead**		$ 5,162
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 636
12. Royalties				-
13.		**Sub Total**		$ 5,798
14. Fee			522	
15.		**Total Estimated Cost**		$ 6,320

TABLE 6-5. REPORT PREPARATION COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items				
c. Other				
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Senior Staff Engineer/ Geologist/Scientist	30	12.62	379	
Draftsperson	10	10.24	102	
Typist	3	8.44	25	
		Total Direct Labor		$ 506
	O H Rate	X Base		
4. Labor Overhead				
Labor Overhead	120%	506	607	
		Total Labor Overhead		$ 607
5. Special Testing				
6. Special Equipment				
7. Travel				
a. Transportation				
b. Subsistence				
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				$ 150
10.		**Total Direct Costs and Overhead**		$1,263
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 189
12. Royalties				-
13.			**Sub Total**	$1,452
14. Fee			131	
15.			**Total Estimated Cost**	$1,583

TABLE 6-6. PROJECT MANAGEMENT COSTS.

			Estimated Cost	Total Estimated Cost
1. Direct Material				
a. Purchased Parts				
b. Subcontract Items				
c. Other				
2. Material Overhead				
	Estimated Hours	Rate/ Hour		
3. Direct Labor				
Principal In Charge	2	33.32	67	
Activity Leader	10	20.92	209	
Project Manager	10	20.91	209	
Asst. Prj. Engr/Geol/Sci.	10	14.96	150	
Typist	4	8.44	34	
		Total Direct Labor		$ 669
	O H Rate	X Base		
4. Labor Overhead				
Labor Overhead	120%	669	803	
		Total Labor Overhead		$ 803
5. Special Testing				
6. Special Equipment				
7. Travel				
a. Transportation			55	
b. Subsistence				
		Total Travel		$ 55
8. Consultants				
		Total Consultants		-
9. Other Direct Costs				
10.		**Total Direct Costs and Overhead**		$1,527
11. General and Administrative Expense (rate 15% of Cost Element No's. 1, 3, 4, 7, 9)				$ 229
12. Royalties				-
13.		**Sub Total**		$1,756
14. Fee			158	
15.		**Total Estimated Cost**		$1,914



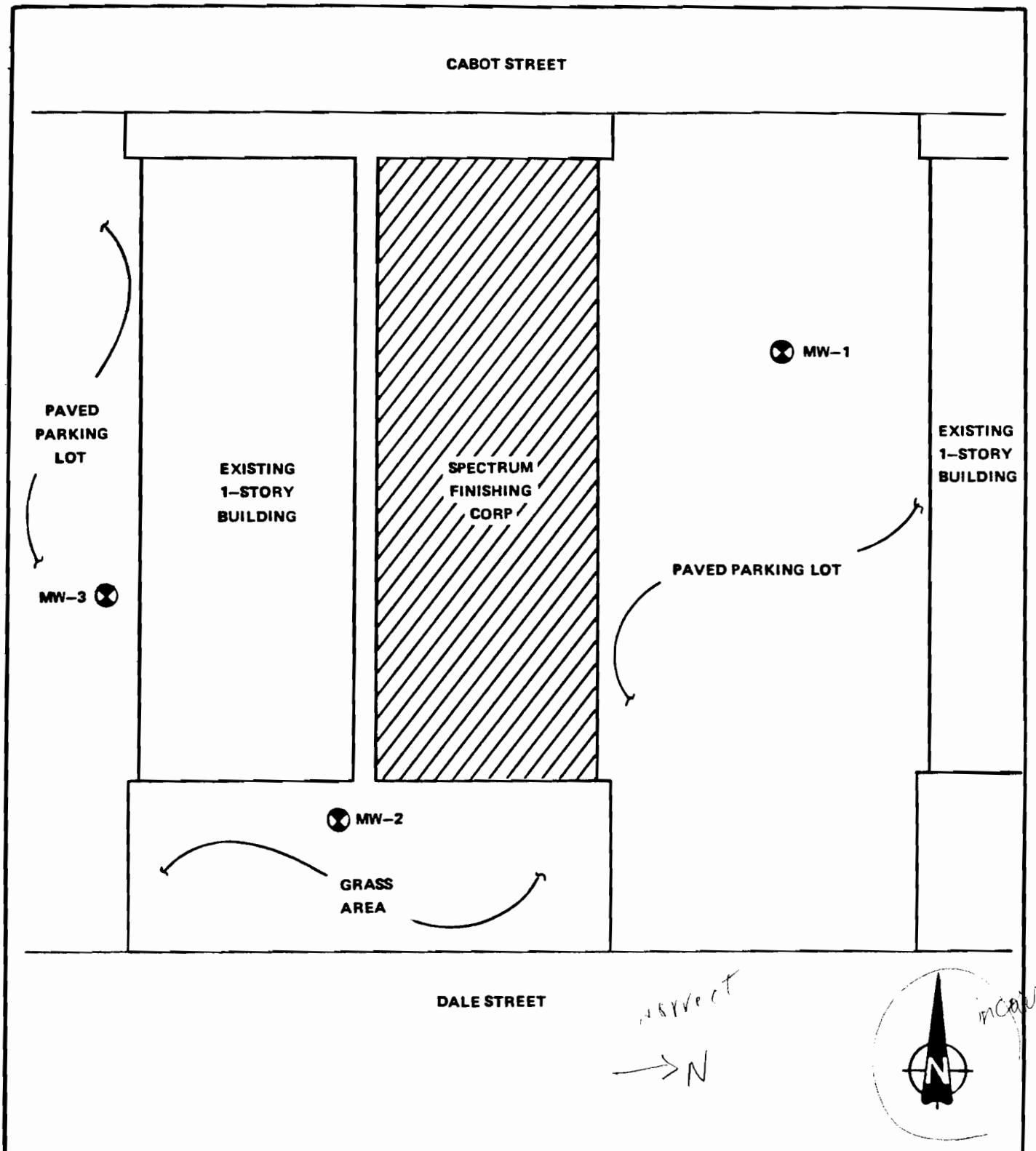
NOTE: BASE MAP FROM USGS, AMITYVILLE, NY QUAD, 1979

SITE LOCATION MAP
SPECTRUM FINISHING CORP.

WOODWARD—CLYDE CONSULTANTS, INC.

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS
NEW YORK, NEW YORK

DR. BY: BTD	SCALE: 1 IN. = 2000 FT	PROJ. NO.: 82C4548-14
CK'D. BY: AJS	DATE: 30 AUGUST 1983	FIG. NO.: 1



NOTE: ADAPTED FROM; JACOBSEN, 1968 AND WCC, 1983

LEGEND

⊗ PROPOSED MONITORING WELL

LOCATION PLAN
FOR PROPOSED PHASE II INVESTIGATION
SPECTRUM FINISHING CORP.

WOODWARD—CLYDE CONSULTANTS, INC.

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS
NEW YORK, NEW YORK

DR. BY: BTD	SCALE: NOT TO SCALE	PROJ. NO.: 82C4548-14
CK'D. BY: AJS	DATE: 7 SEPTEMBER 1983	FIG. NO.: 2

APPENDIX A

APPENDIX A
REFERENCES

Chronology and History of Spectrum Finishing Corp., undated, (LOCATION: SCDHS Files).

Donnelly Marketing, 1982, American Profile Information Retrieval System, based on 1980 Census Data, Stamford, Connecticut, (LOCATION: WCC Files).

Jacobsen, J.A., 1968, Description of Plating Facility, Spectrum Finishing Corp., June 1968, East Islip, New York (LOCATION: SCDHS Files).

Jensen, H.M. and Soren, 1974, Hydrogeology of Suffolk County, Long Island New York, U.S. Geological Survey Hydrologic Investigations Atlas HA-501, Washington, D.C., (LOCATION: WCC Files).

Kimmel, G.E. and Braids, O.C., 1980, Leachate Plumes in Ground Water From Babylon and Islip Landfills, Long Island, New York, U.S. Geological Survey Professional Paper 1085, Washington, D.C., (LOCATION: WCC Files).

NYS Department of Agriculture and Markets, 1983, Agricultural Districts Map, Division of Rural Affairs, (LOCATION: NYSDA&M/Albany Files).

NYSDEC 1975a, Tidal Wetlands Maps of Suffolk County, Division of Fish and Wildlife, (LOCATION: NYSDEC/Region I Files).

NYSDEC 1975b, Freshwater Wetlands Maps of Suffolk County, Central Islip Quad., Division of Fish and Wildlife, (LOCATION: NYSDEC/Albany Files)

NYSDEC 1975c, Order on Consent, Albany, New York, (LOCATION: SCDHS Files).

NYSDEC 1983a, Listing and Maps of Significant Habitats in Suffolk County, Division of Fish and Wildlife, Significant Habitats Unit, (LOCATION: NYSDEC Files/Albany).

NYSDEC 1983b, Well Permits, (LOCATION: NYSDEC Files/Albany).

NYS Parks and Recreation, 1983, Files of Suffolk County Historical Sites listed on State and Federal Registers, Division of Historic Preservation, (LOCATION: NYSP&R/Albany Files).

Rand McNally 1983, Road Atlas, United States/Canada/Mexico, Chicago, Illinois, (LOCATION: WCC Files).

Soil Conservation Service, U.S. Department of Agriculture, 1975, Soil Survey of Suffolk County, New York, Washington, D.C., (LOCATION: WCC Files).

SCDHS 1970, Inspection Report on Spectrum Finishing, dated December 9, 1970, (LOCATION: SCDHS Files).

APPENDIX B

APPENDIX B
PERTINENT INFORMATION

DESCRIPTION OF PLATING FACILITIES

JUNE 1968

*

SPECTRUM FINISHING CORPORATION

Metal Finishing

50 Dale Street
Pinelawn, L.I.
New York

*

JOHN A. JACOBSEN, P.E.

Consulting Engineer
2 Greenwood Avenue
East Islip, N. Y.

Ju. 1-6500

CONSULTING ENGINEER
2 GREENWOOD AVENUE
EAST ISLIP, N. Y.

JU 1-6500

MAILING ADDRESS:
P. O. BOX 76
EAST ISLIP, N. Y. 11730

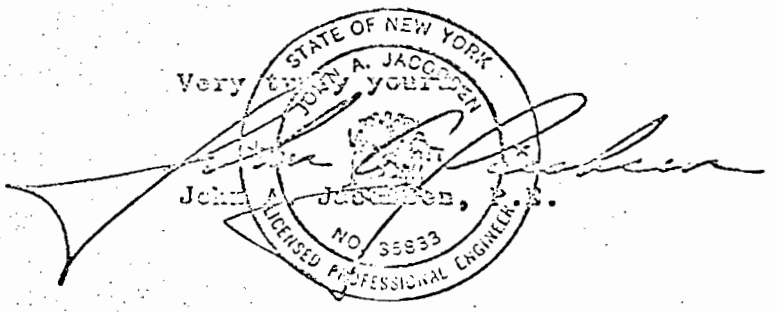
June 3, 1968

Re: Industrial Treatment Waste Process
Spectrum Finishing Corp.
50 Dale Street
Pinelawn, Long Island

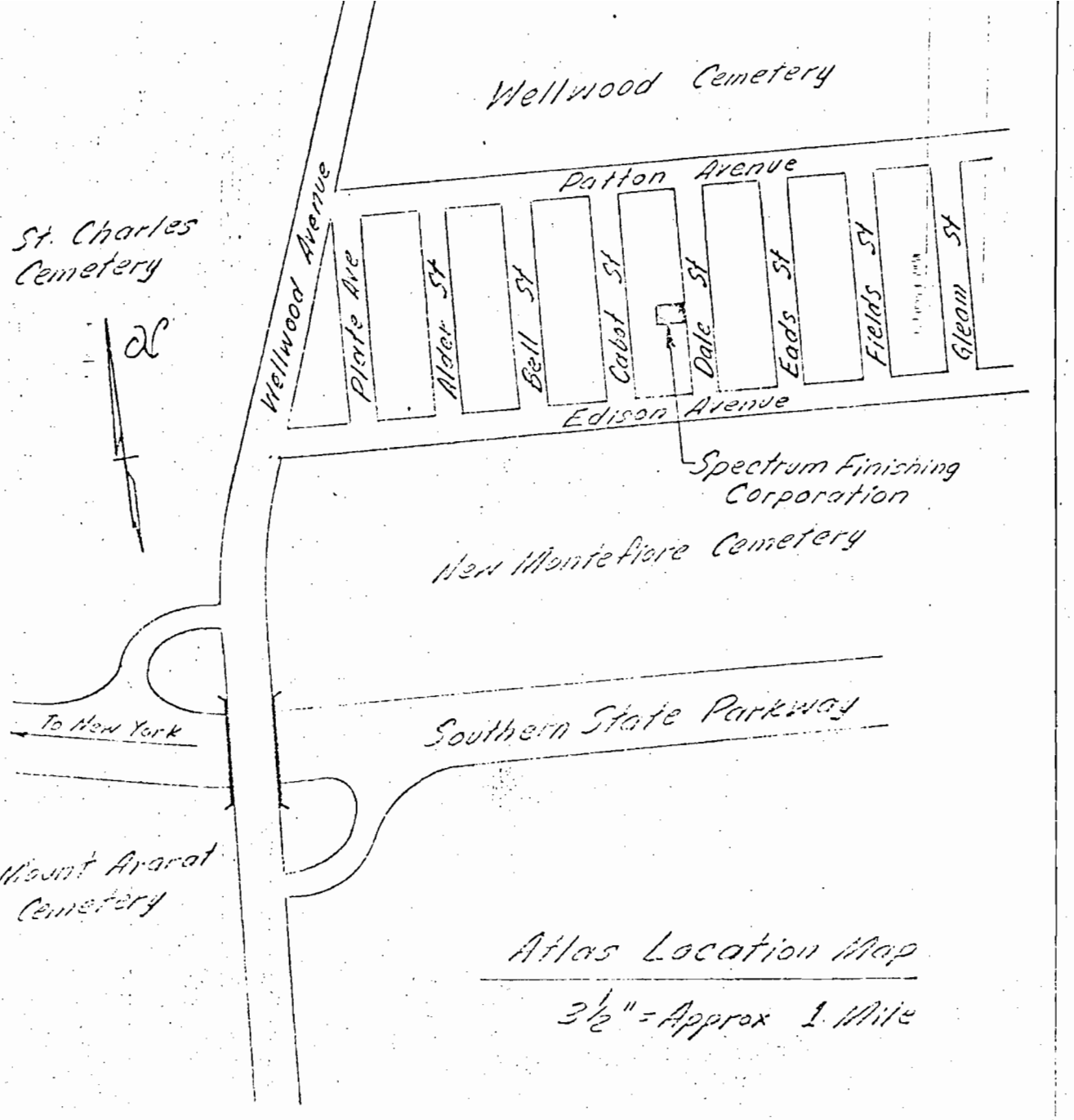
Gentlemen,

The attached report pertains to the de-ionization and treatment of process waste from the above finishing plant. All rinse water and drag-out flows below the duck boards in the finishing pit to a central drain where it is collected in a sump, pumped to a de-ionizer and returned as make up and rinse water. The pit floor and collection sump have been treated with an epoxy to assure water tightness. The recharge water will be batch treated and disposed to a sub-surface leaching pool.

Very truly yours,

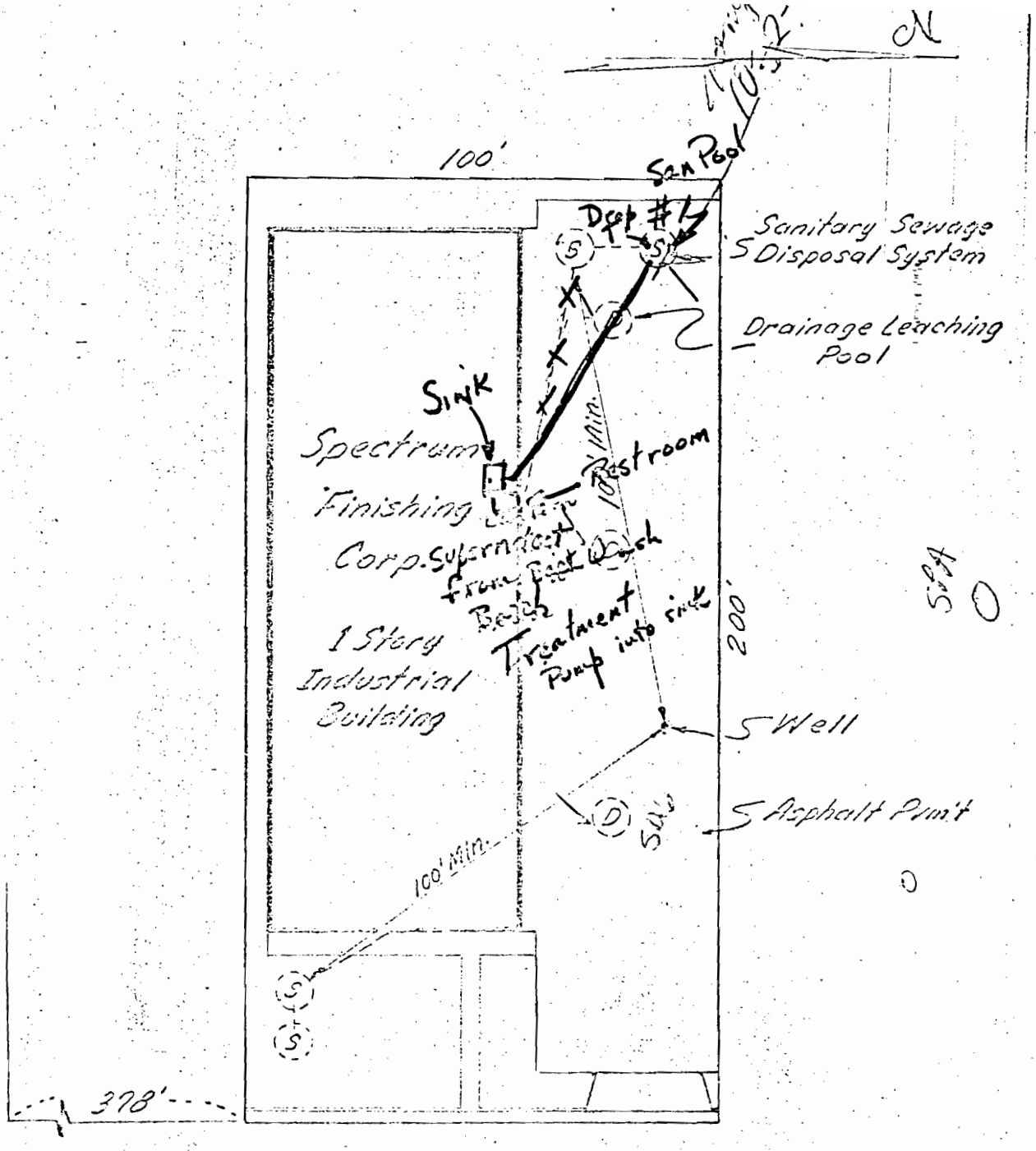


John A. Jacobsen, P.E.



Atlas Location Map

3½" = Approx 1 Mile



Site Plan

Scale 1"=30'

INDEX

The plant is located on the west side of Dale Street, 378 feet north of Edison Street, Pinelawn, Babylon Township. The area is industrially zoned with Wellwood Cemetery to the north and New Montefiore Cemetery to the south, St. Charles Cemetery to the west and the Babylon Incinerator to the east. There are no public wells in the area and the area is not served by public water with each of the twenty or so buildings nearby using individual wells. Ground water is encountered 40 feet below grade.

The plating facilities at this plant are designed for the application of precision aerospace finishes to high strength alloys. The installation itself is small, occupying less than seven hundred square feet of plant space.

The facility performs three basic operations: Plating, Conversion Coating, and Cleaning. Steel alloys are plated either with copper or Cadmium metal; Aluminium parts receive a chromate conversion coating, and titanium alloys are descaled and cleaned chemically. In the next twelve months Nickel plating will be added to the steel finishing operations; the Nickel plating will be process in the same manner as Copper and Cadmium plating.

Since all chemical processing lends itself to description by flow charts, this method has been used in this description

of facilities. The three basic operations are listed by type of metal finish: plating on steels, conversion coating on Aluminium, and descaling of Titanium alloys.

The process is outlined in flow chart fashion, giving location (tank), the solution nomenclature, and its function. The detailed chemical composition of processing solutions; and tank dimensions, capacities, material, and operational solution levels are given on the pages immediately following each process flow chart.

Estimated water requirements for the total facility are 750 to 1000 gals. per day of deionized water. The water system itself is closed. The water is recirculated through a deionizer unit and returns to the processing tanks. Estimated loss due to evaporation is 10%. Effluent volume is estimated to be less than 200 gals. per day. This effluent will come from solutions used to recharge exchange resins and solutions necessary in the waste treatment and destruction of waste products.

Domestic water will be introduced into the system by direct discharge to the collecting sump where it will be de-ionized along with the process waste and pumped to the process as rinse or make-up water. Approximately 200 gal. of recharge water will be released of heavy metals in an alkaline media. CN will be reduced by chlorination and Cr+6 reduced.

positive Air Sep ?

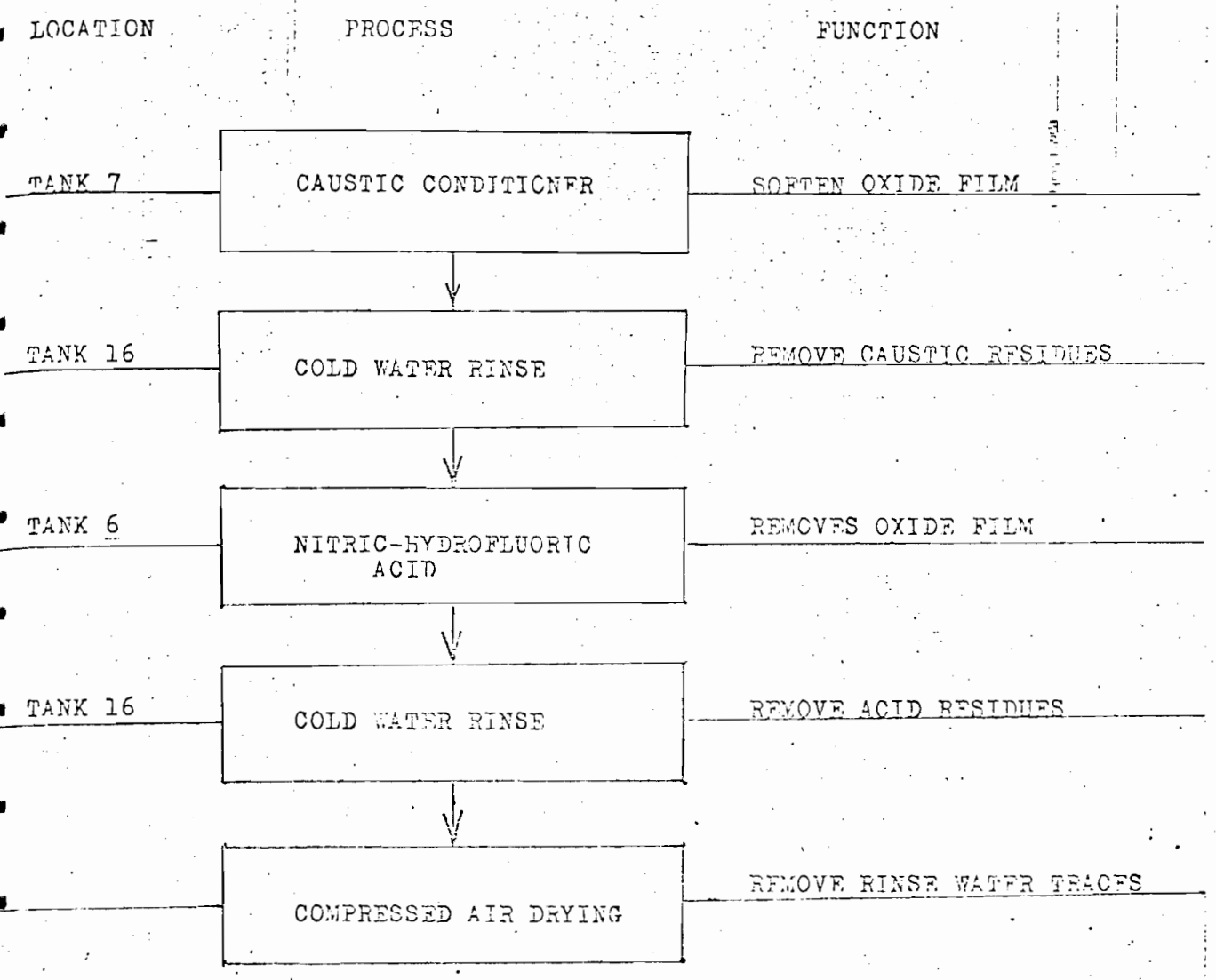
TANK IDENTIFICATION

Tank 1	Cadmium Plating Bath	Cd
Tank 2	Nickel Plating Bath *	Ni
Tank 3	Copper Plating Bath	Cu
Tank 4	Hydrochloric Acid	Acid
Tank 4A	Rinse Tank	
Tank 5	Cadmium Conversion Coating	
Tank 6	Nitric-Hydrofluoric Acid	Fl^-
Tank 7	Caustic Descaler	
Tank 8	Detergent Cleaner	
Tank 9	Acid Deoxidizer	
Tank 10	Aluminium Conversion Coating	Cr^{+6}
Tank 11	Water Rinse*	
Tank 12	Water Rinse*	
Tank 13	Water Rinse*	
Tank 14	Two-stage Water Rinse	
Tank 15	Hot Water Rinse	
Tank 16	Cold Water Rinse	
Tank 17	Hot Water Rinse	
Tank 18	Electrolytic Detergent Cleaner	
Tank 19	Two-stage Water Rinse	

---

* Future additional process.

FLOW CHART: DESCALING TITANIUM ALLOYS AFTER HEAT TREATMENT



CHEMICAL COMPOSITIONS OF SOLUTIONS EMPLOYED IN DESCALING OF TITANIUM ALLOYS AND TANK CAPACITIES AND MATERIALS.

TANK 7 (caustic conditioner):

Dimensions	- 6.0' x 3.0' x 4.0'(H)
Material	- 300 series stainless steel
Capacity	- 475 gals.
Operational Level	- 42"
Chemical composition of solution	- 64 oz/gal Caustic Soda; 0.5 oz/gal Sodium Dichromate

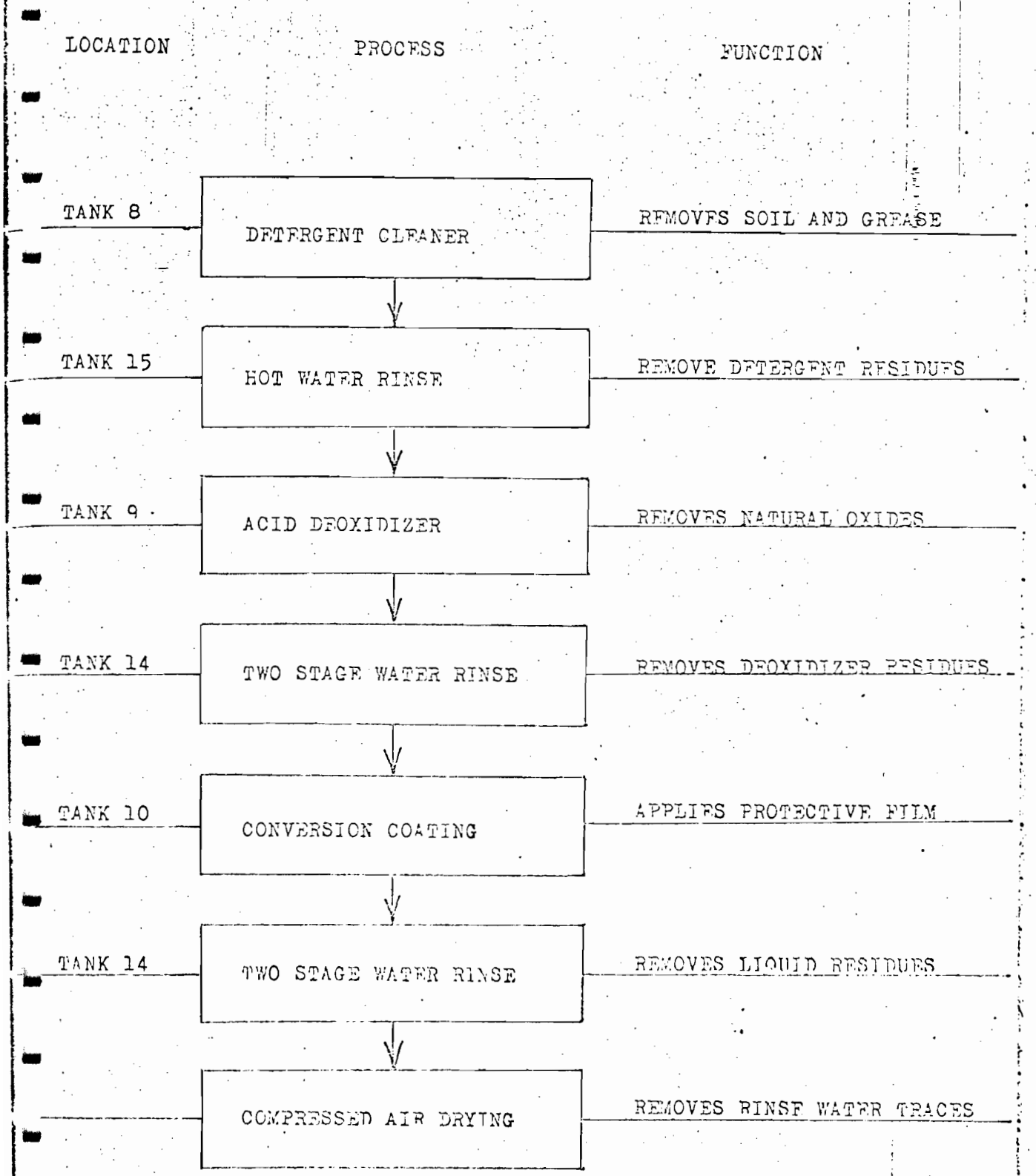
TANK 6 (Nitric-Hydrofluoric Acid):

Dimensions	- 7.0' x 3.0' x 4.0'(H)
Material	- Mild steel, PVC lined
Capacity	- 550 gals
Operational Level	- 42"
Chemical composition of solution	- 25 oz/gal Nitric Acid; 1.0 oz/gal Hydrofluoric Acid

TANK 16 (Cold Water Rinse):

Dimensions	- 6.0' x 3.0' x 4.0'(H)
Material	- Fibreglass laminate
Capacity	- 475 gals
Chemical composition of solution	- Water (D.I.)
Operational Level	- 42"

FLOW CHART: APPLICATION OF CONVERSION COATING TO ALUMINIUM ALLOYS



CHEMICAL COMPOSITION OF SOLUTIONS USED IN THE APPLICATION OF CONVERSION COATINS TO ALUMINIUM ALLOYS, AND TANK CAPACITIES AND MATERIALS

TANK 8 (Detergent Cleaner):

Dimensions	-	6.0' x 3.0' x 4.0'(H)
Material	-	Mild Steel
Capacity	-	475 gals
Operational Level	-	42"
Chemical composition of solution	-	6.0 oz/gal proprietary industrial detergent (biodegradable)

TANK 9 (Acid Deoxidizer):

Dimensions	-	6.0' x 3.0' x 4.0'(H)
Material	-	Fibreglass Laminate
Capacity	-	475 gals
Operational Level	-	42"
Chemical composition of solution	-	13 oz/gal Nitric Acid; 1.0 oz/gal Sodium Dichromate.

TANK 10 (Conversion Coating):

Dimensions	-	3.0' x 6.0' x 4.0'(H)
Material	-	300 series stainless steel
Capacity	-	475 gals.
Operational Level	-	42"
Chemical composition of solution	-	1.0 oz/gal proprietary salts containing a mixture of Chromate, Fluoride, and Nitrate salts of Sodium and Potassium.

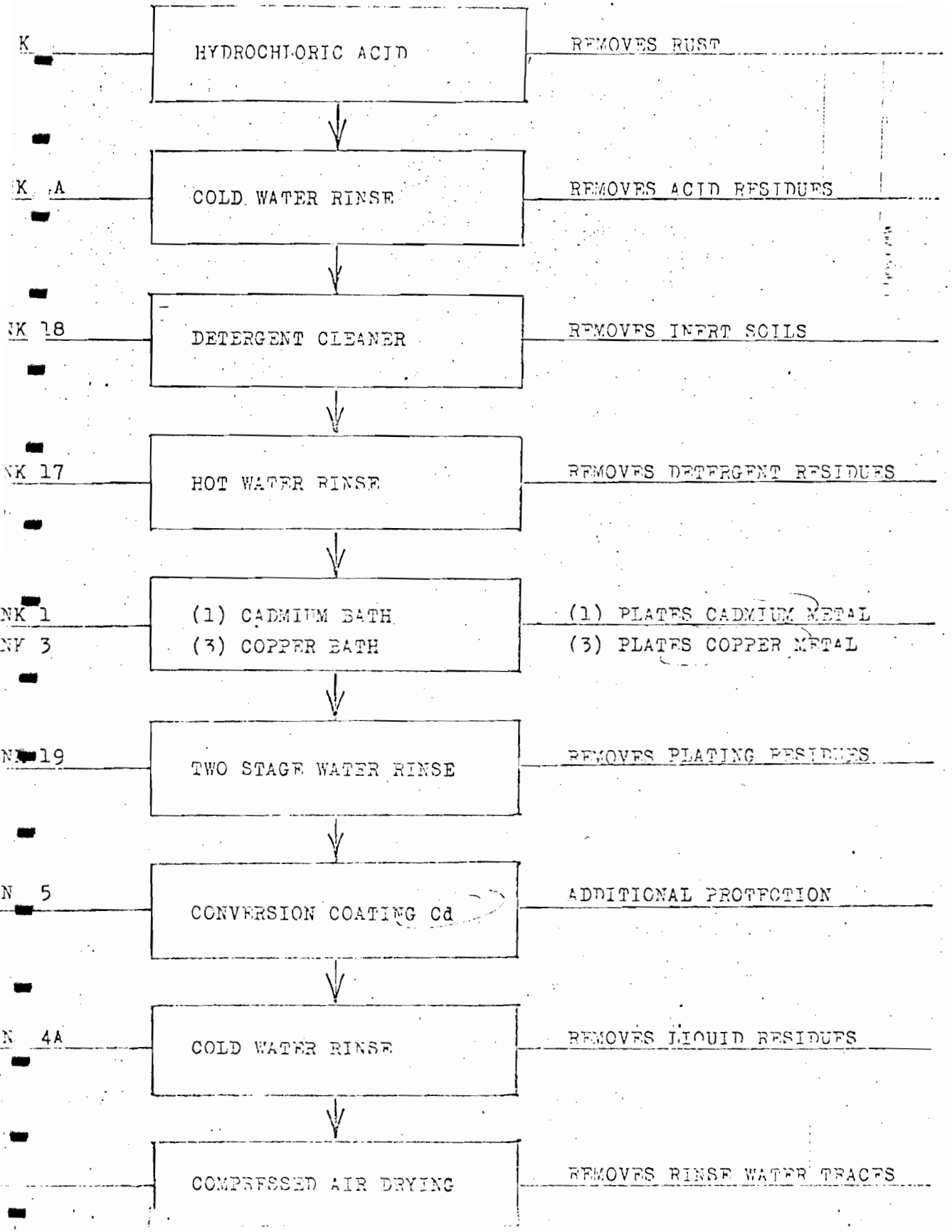
TANK 14 (Two-Stage water rinse):

Dimensions	-	3.0' x 8.0' x 4.0'(H)
Material	-	Fibreglass laminate
Capacity	-	650 gals
Chemical composition of solution	-	Deionized water

TANK 15 (Hot Water rinse):

Dimensions	-	3.0' x 4.0' x 4.0'(H)
Material	-	300 series stainless steel
Capacity	-	325 gals
Chemical composition of solution	-	Deionized water

* * * * * * *


HYDROCHLORIC ACID
REMOVES RUST
COLD WATER RINSE
REMOVES ACID RESIDUES
DETERGENT CLEANER
REMOVES INERT SOILS
HOT WATER RINSE
REMOVES DETERGENT RESIDUES
(1) CADMIUM BATH
(3) COPPER BATH
(1) PLATES CADMIUM METAL
(3) PLATES COPPER METAL
TWO STAGE WATER RINSE
REMOVES PLATING RESIDUES
CONVERSION COATING Cd
ADDITIONAL PROTECTION
COLD WATER RINSE
REMOVES LIQUID RESIDUES
COMPRESSED AIR DRYING
REMOVES RINSE WATER TRACES

APPLICATION OF CADMIUM AND COPPER PLATING TO
STEELS, AND TANK CAPACITIES AND MATERIALS

TANK 1 (Cadmium plating bath):

Dimensions	-	3.0' x 8.0' x 4.0'(H)
Material	-	Fibreglass laminate
Capacity	-	630 gals
Operation Level	-	42"
Chemical composition of solution	-	12.0 oz/gal Sodium Cyanide, 2.5 oz/gal Cadmium Oxide, 1.0 oz/gal Sodium Carbonate

TANK 2 (Nickel Plating Bath*):

Dimenseions	-	3.0' x 6.0' x 4.0'(H)
Material	-	Fibreglass laminate
Capacity	-	475 gals
Operational Level	-	42"
Chemical composition of solution	-	60 oz/gal Nickel Sulfamate, 5.0 oz/gal Boric Acid

TANK 3 (Copper Plating Bath):

Dimensions	-	3.0' x 6.0' x 4.0'(H)
Material	-	Mild steel
Capacity	-	475 gals
Operation Level	-	42"
Chemical composition of solution	-	8.5 oz/gal Copper Cyanide, 3.0 oz/gal Potassium Hydroxide.

---

*Future Additional Process

TANK 4 (Hydrochloric Acid):

Dimensions	-	2.0' x 3.0' x 3.0'(H)
Material	-	Molded fibreglass
Capacity	-	110 gals
Operational Level	-	30"
Chemical composition of solution	-	64 oz/gal Hydrochloric Acid

TANK 4A (Cold Water Rinse):

Dimensions	-	2.0' x 3.0' x 3.0'(H)
Material	-	Molded Fibreglass
Capacity	-	110 gals
Operational Level	-	30"
Chemical composition of solution	-	Deionized water

TANK 5 (Cadmium Conversion Coating):

Dimensions	-	2.0' x 3.0' x 3.0'(H)
Material	-	Molded Fibreglass
Capacity	-	110 gals
Operational Level	-	30"
Chemical composition of solution	-	0.5 oz/gal Chromic Acid.

TANK 17 (Hot Water Rinse):

Dimensions	-	3.0' x 6.0' x 4.0'(H)
Material	-	Fibreglass laminate
Capacity	-	475 gals
Operational Level	-	42"
Chemical composition of solution	-	Deionized water

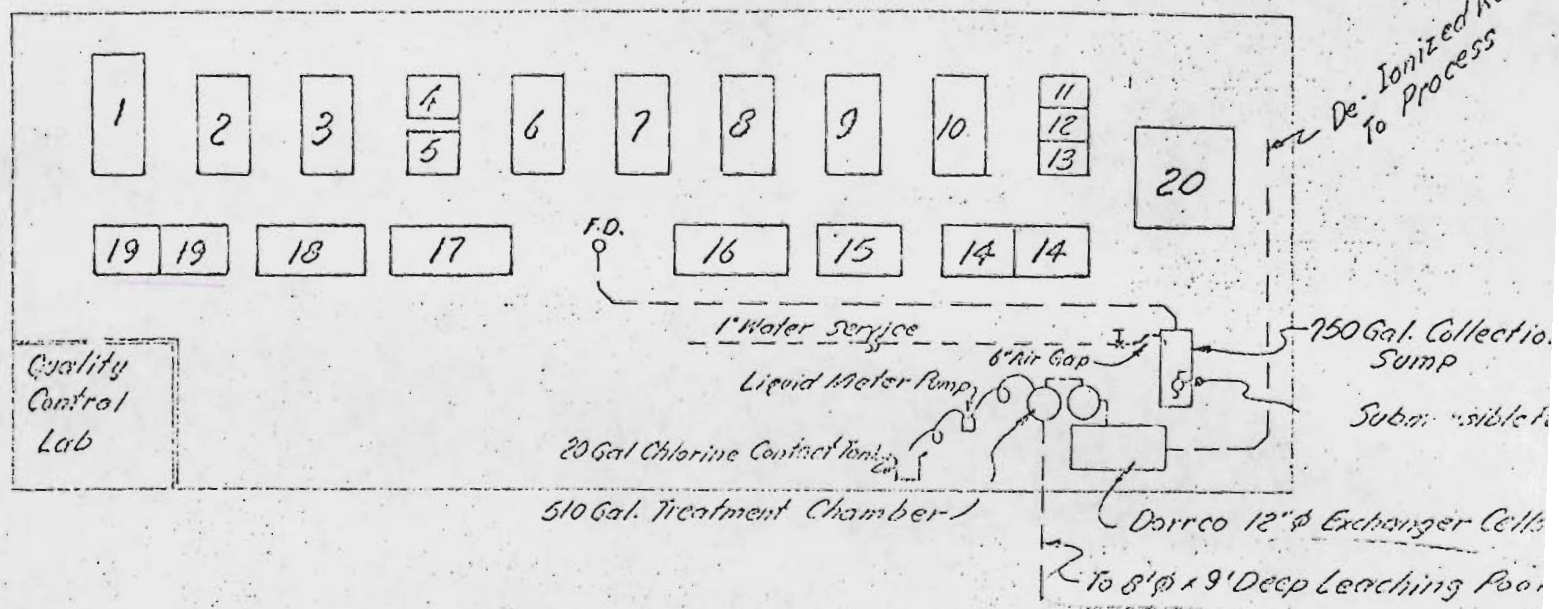
K 18 (Detergent Cleaner):

Dimensions	-	3.0x 6.0' x 4.0'(H)
Material	-	Mild steel
Capacity	-	475 gals
Operational Level	-	42"
Chemical composition of solution	-	6.0 oz/gal Electrolytic grade industrial detergent (biodegradable)

NK 19 (Two-stage Water Rinse):

Dimensions	-	3.0' x 8.0' x 4.0'(H)
Material	-	Fibreglass laminate
Capacity	-	650 gals
Chemical composition of solution	-	Deionized water

* * * * * * *



Finishing Floor Plan

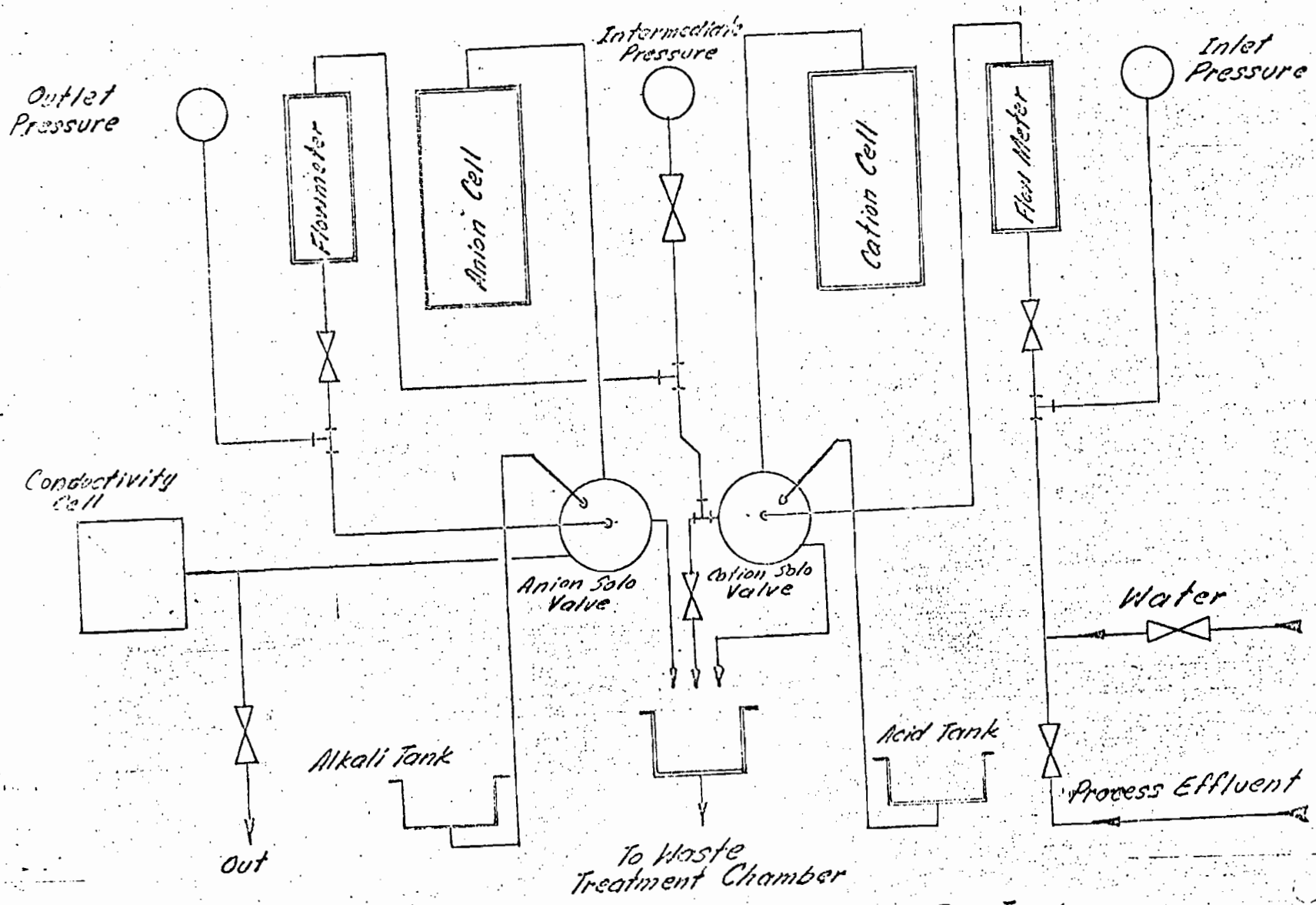
No Scale

The entire finishing floor is Polyester sealed with a protective curb. The central floor drain conveys all waste to the collection sump.

1. Cadmium Plate Tank
2. Nickel Plate Tank
3. Copper Plate Tank
4. HCl Pickle
5. Iridite Tank
6. Nitric - HF Tank
7. Turco # 4316 Tank
8. Alkaline Cleaner Tank
9. Deoxidizer Tank
10. Conversion Coating Tank
11. Tank S.S.
12. Tank S.S.
13. Tank S.S.
14. Two Stage Water Rinse Tank
15. Hot Water Rince Tank
16. - Tank F.G.
17. Hot Water Rinse Tank
18. Copper Cleaner
19. Two Stage Water Rinse Tank
20. Oven

On diagram:
Collection sump &
8' Ø x 9' deep leaching pit

how was this investigated during the RI/FS?



Schematic Piping Layout - Dorrco De-Ionizer

(Addendum to Report)

The recharge water from the deionizer will be retained in a 40 gallon holding compartment in the rear of the deionizing unit. Periodically it will be withdrawn into a lined 55 gallon drum which will be provided with a bottom drain valve and a decantering drain valve 12" above the bottom. The tank will be provided in duplicate. The pH of the recharge water will be brought to 2.5 by addition of sulfuric acid and agitated with air. Sodium meta bisulphide will be added and agitated until the indicator test shows that chromates have been reduced. Caustic soda will then be added to bring the pH up to 8.5 to facilitate the precipitation of the chrome plus other heavy metals. Cyanide will be destroyed by chlorination. After precipitation the tank will be decanted and the treated effluent returned to the central collecting sump for deionization and introduction to the plating process. The sludge from the bottom of the tanks will be deposited in a separate 55 gallon holding tank and disposed at the town deposit area. An operation report shall be kept in effect at all times and mailed to the Suffolk County Department of Health when complete. The report shall show the date, type and quantity of chemicals added, and the pH during the various stages of the treatment operation.

Spectrum Finishing Corp.

Chronology and history of Spectrum Finishing Corp.

4-22-68	Graner SCHD informed Spectrum in writing of need for treatment and PE report
6-27-68	Received permit to operate
3-20-69 } 4-10-69 }	DeChirico informed in writing that new PE report needed due to alterations in plant
5-29-69	Statement from Jacobsen PE that Spectrum does not discharge
7-22-69	Pim requesting updated report
8-8-69	Saturnino insp. - sludge from ion exchange hauled away to Babylon Town Dump
8-12-69	Received updated reported
12-11-70	Pim to Spectrum to hire PE as a result of well contamination
12-9-70	Sample from leach pool indicated Cu, Cd, Ni, Cr by Gilbert
12-17-70	Sample by Strzepek of Sanitary pool indicated Cr, CN
1-11-71	Gilbert-Strzepek sample CN, Cu
1-15-71	Gilbert-Strzepek sample Cu
4-26-71	New report by Jacobsen received
11-17-71	Gilbert to Spectrum - no scavenger yet
11-26-71	Approved scav used
3-20-72	State still looking for answers from Jacobsen Assoc.
4-26-72	State still looking
6-15-72	Pim describes Jacobsen's report as inadequate
8-14-72	State still looking for answers
8-21-72	Report approved recycling thru ion exchange, hauling away of sludges via approved scavenger- no discharge
1-25-74 } 12-12-74 }	inspections by SCDEC - indication no records kept of treatment of ion-exchange backwash, no records of any pickups by an approved scavenger since 12-71
12-18-74	Puddle by storm drain in parking lot sampled, found Cu, Fe, Cr, Ni, Cd over limits
1-2-75	Unsatisfactory sampling letter sent
1-3-75	Roy Gilbert of SCDEC requested storm drains be pumped dry by an approved scavenger - done
1-3-75	Unsatisfacotry sample taken from storm drain
1-15-75	Copertino inspection - noted that a collection sump inside plant overflowing out of plant into storm drain
1-20-75	requested that 2 large exterior holding tanks be emptied and resealed to prevent leaks as have been occuring evidenced by discolorations
1-20-75	Unsatisfactory sample from W storm drain - letter sent 3/4/75

1-30-75 Copertino inspection - observed trait of water emanating from somewhere in plant flowing out of plant on ground towards west storm drain. Observed green puddle around west storm drain. DeChirico admitted to a broken tank a few days earlier

2-3-75 Sample from W storm drain showed high levels of Cu, Fe, Cr, Ni, Cd letter sent 3/4/75

3-5-75 Gilbert-Copertino - observed green spill outside plant on S side, sampled and showed exceedingly unsatisfactory results.

SUFFOLK COUNTY
DEPARTMENT OF HEALTH
ONE OLD INDIAN HEAD ROAD
COMMACK, NEW YORK 11725

GEORGE E. LEONE, M.D., M.P.H.
COMMISSIONER

DIVISION OF ENVIRONMENTAL
HEALTH SERVICES
WESTERN DISTRICT OFFICE

543-1116

AREA SERVED:
TOWNSHIPS OF
BABYLON
HUNTINGTON
ISLIP
SMITHTOWN

June 27, 1968

Spectrum Finishing Corp.
55 Dale Street
Pinelawn, New York
Attn: Mr. DeChirico

RE: PERMIT OF OPERATION, SPECTRUM FINISHING CORP.

Dear Mr. DeChirico:

This letter will serve to authorize the operation of the referred waste treatment system in accordance with the permit of construction and in addition to the provisions as follows:

1. That a suitable record of operating data shall be kept and made available for inspection by representatives of the Suffolk County Department of Health.

2. That any interruption of operation shall be reported immediately to this Department.

3. That whatever sludge and scum is removed from any part of the industrial waste treatment system, shall be done in such a manner as to cause no nuisance and that the sludge or scum be disposed of in a suitable and adequate manner.

4. That this operational permit shall expire one year from date and subsequent permits shall be contingent on demonstration of satisfactory operation of the treatment process to the satisfaction of the Suffolk County Department of Health.

Yours truly,

P. A. Wingler

Paul A. Wingler, P.E.
District Engineer

PAW jf

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of Compliance with Sections 17-0501 and 17-0503 of the Environmental Conservation Law and 6 NYCRR 703, by

SPECTRUM FINISHING CORP.

(Suffolk County) Respondent

ORDER ON CONSENT

FILE NO._____

Respondent having waived public hearing or other proceedings in this matter, and accepted the terms and conditions of this Order by virtue of the subscript Consent, it is hereby

ORDERED, that Respondent shall make such modifications, repairs, or additions to its facilities at premises 50 Dale Street, West Babylon, New York, as are necessary to abate discharge of waste matter into the waters of the State, in contravention of the effluent standards set forth in Appendix A attached hereto. Such changes are to be timely made strictly in accordance with the compliance schedule recited in Appendix A; and it is further

ORDERED, that Respondent shall, within twenty (20) days of service of a copy of this Order by registered mail, post security with the Department in the form of a surety bond in the sum of Five Thousand ($5,000) Dollars, issued by a company licensed to do business in the State of New York, and further, Respondent shall be assessed a penalty in the sum of Five Hundred ($500) Dollars, to be paid twenty (20) days after receipt of a copy of this Order. The Five Thousand Dollar surety bond shall be held by this Department for a period of one (1) year; and it is further

ORDERED, that Respondent shall maintain permanent records of scavenger waste pick-up and that said records are to be available for inspection by the New York State Department of Environmental Conservation and the Suffolk County Department of Environmental Control, at all times; and it is further

ORDERED, that this Order shall be deemed binding on Respondent, its successors and assigns, and all persons, firms, and corporations acting under or for it, including, but not limited to those who may carry on any or all of the operations now being conducted by Respondent, whether at the present location, or at any other in this State; and it is further

ORDERED, that in those instances in which the Respondent desires that any of the provisions, terms, or conditions of this Order be changed, it shall make written application, setting forth the grounds for the relief sought, to the Commissioner, c/o Andrew J. Orensky, Regional Attorney, Building 40, S.U.N.Y. Stony Brook, New York 11794; and it is further

ORDERED, that any change in this Order shall not be made or become effective, except as specifically set forth by written order of the Commissioner, such written order being made either upon written application of the Respondent, or upon the Commissioner's own findings.

CONSENT BY RESPONDENT

Respondent acknowledges the authority and jurisdiction of the Commissioner of Environmental Conservation of the State of New York to issue the foregoing Order, waives public hearing or other proceedings in this matter, accepts the terms and conditions set forth in the Order, and consents to the issuance thereof.

SPECTRUM FINISHING CORP.

_____

Dated: Albany, New York
1975

_____
OGDEN REID
Commissioner of Environmental Conservation

To: President
Spectrum Finishing Corp.
50 Dale Street
West Babylon, New York 11704

STATE OF NEW YORK)
ss.:
COUNTY OF SUFFOLK)

On the day of 1975, before me personally came to me known, who being duly sworn, deposed and said that he resides at that he is the of the Respondent Corporation, and that he executed the foregoing Consent, and that he signed his name as authorized by said corporation.

_____
NOTARY PUBLIC

APPENDIX A

Compliance Schedule

for

SPECTRUM FINISHING CORP.

By May 1, 1975	Respondent shall see that all outside tanks are to be sealed to prevent any leakage and further, Respondent shall install a high level alarm on all overflow tanks in its shop.
By May 15, 1975	The New York State Department of Environmental Conservation and the Suffolk County Department of Environmental Control shall make a final inspection for compliance.

COUNTY OF SUFFOLK
DEPARTMENT OF HEALTH SERVICES

In the Matter of the Alleged Violation of Article 12 of the Suffolk County Sanitary Code by Spectrum Finishing Corp. 50 Dale Street West Babylon, New York 11704 Respondent.	ORDER ON CONSENT NO. IW 81-53 DATE: 12-1-81

GENERAL PROVISIONS

This Department alleges that the above-named Respondent has failed to comply with the provisions of the Suffolk County Sanitary Code as specified below. Because of such alleged non-compliance, the above-named Respondent consents and agrees to the issuance of this Order on Consent, and agrees to be bound by the terms, conditions and provisions stated herein.

Respondent understands that by entering into the Order on Consent with the Department, he is affirmatively and voluntarily waiving his right to a formal adjudicatory proceeding with respect to the matters herein addressed. Although the Department will not pursue further enforcement action with respect to the specific alleged violations of law set forth below if the above-named Respondent enters into this Order and abides by its terms, Respondent understands that the Department is not agreeing to forbearance from pursuing enforcement action regarding alleged violations not addressed by this Order. Moreover, Respondent understands that notwithstanding his execution of this Order on Consent, his failure to strictly comply with all of the terms, conditions and provisions herein contained will revive the Department's rights regarding the violations alleged as set forth below subject to a set-off for any penalties already paid pursuant to this Order on Consent. Furthermore, the Respondent is hereby advised that this Order on Consent, duly executed by the Respondent's agent and the Commissioner or his duly authorized representative has the force and effect of a Commissioner's Order, the violation of which is subject to penalties as provided in Section 218 of Article 2 of the Suffolk County Sanitary Code.

A modification of any of the provisions of this Order on Consent may be obtained by a timely written request demonstrating good and sufficient cause for the change or extension requested. No modification of this Order shall be effective unless and until it is specifically set forth in writing by the Department.

SPECIFICATION OF ALLEGED VIOLATIONS

t is alleged that the Respondent above-named failed to comply
h the following provisions of the Suffolk County Sanitary
e as indicated below:

rticle 12, Section 1205 (unpermitted discharge) on October 1, 1981,
y 8, 1981, (2 violations), July 2, 1981 (2 violations), June 4,
1, April 30, 1980 (2 violations) and January 4, 1980.
rticle 12, Section 1215 (unapproved storage of toxic or hazardous
erials) on October 1, 1981, and May 29, 1981.
icle 12, Section 1207, (failure to report a spill) on October 1,
981, and January 4, 1980.

SPECIFIC TERMS AND CONDITIONS

atisfaction of the above-named Respondent's alleged violations
he Suffolk County Sanitary Code, the Respondent agrees to the
tering and issuance of this Order of the Commissioner of the
folk County Department of Health Services, and the Respondent
es to be bound by the terms and conditions following as well
by the above General Provisions.

Respondent agrees not to discharge any of its industrial waste
he ground, groundwaters, surface waters or subsurface
aching facilities unless and until a State Pollutant Discharge
ination Systems (SPDES) Permit has been obtained for such
harge.

By January 3, 1982, Respondent shall have submitted complete
plication for all permits, licenses and certificates to operate
rsuant to provisions of Article 12 of the Suffolk County
nitary Code and provisions of Part 360 pursuant to Section
-0113 of the New York State Environmental Conservation Law.

formation and applications for the aforementioned may be
ained by contacting Mr. Peter Akras of this Department,
234-2622, extension 243.

By March 3, 1982, Respondent agrees to have completed
struction of its storage facility for its toxic or hazardous
erials, in compliance with provisions of Article 12 of the
folk County Sanitary Code.

SPECIFIC TERMS AND CONDITIONS
(continued)

4. By December 17, 1981, Respondent shall have moved all of its storage of toxic or hazardous materials from outdoors to a suitable location inside of Respondent's building and shall continue to store its toxic or hazardous materials indoors unless and until Respondent receives approval from this Department for outdoor storage.

5. By December 24, 1981, Respondent agrees to have the cadmium contaminated storm drain, which is located approximately ten feet north ~~east~~ of Respondent's garage door, emptied of its liquid and solid contents through the services of an industrial waste scavenger licensed therefor by the New York State Department of Environmental Conservation. Respondent agrees to submit to this Department a copy of the scavenger receipt for the aforementioned cleanout.

Respondent also agrees to notify this Department at least two week days prior to the date of clean out so that a Department representative may be present to observe this clean out.

6. Respondent agrees to permit representatives of this Department to conduct hydro-static testing of Respondent's aboveground tanks.

7. In satisfaction of the violations alleged herein, Respondent agrees to the imposition of a civil penalty in the amount of Four Thousand ($4,000) dollars, but that Three Thousand Five Hundred ($3,500) dollars of this civil penalty shall be suspended and ultimately discharged upon Respondent's compliance with the terms, conditions and provisions of this Order on Consent. The remaining Five Hundred ($500) dollar portion of the civil penalty shall be paid to the Department of Health Services and shall be remitted with the return of this duly executed Order on Consent.

CONSENT BY RESPONDENT

The Respondent herein named acknowledges the authority and jurisdiction of the Commissioner of the Suffolk County Department of Health Services to issue the foregoing Order on Consent, and Respondent voluntarily waives public hearing in this matter and agrees to be bound by the terms, conditions and provisions of this Order of the Commissioner.

Dated Dec. 16, 1981

Respondent SPECTRUM FINISHING CORP.

By: (signature) [signature]

(printed) [illegible]

Title [illegible]

STATE OF NEW YORK)
)SS.:
COUNTY OF SUFFOLK)

MARY WASSER
NOTARY PUBLIC, State of New York
No. 30-4164820
Qualified in Nassau County
Commission Expires March 30, 1983

On the 16th day of December, 1981, before me personally came [illegible] to me known, who being duly sworn, deposed and said that he resides at [illegible] that he is the [illegible] of Respondent corporation, and that he signed his name as authorized by said corporation with full authority to do so.

[signature]
NOTARY PUBLIC

CONSENT BY COMMISSIONER

The Commissioner of the Suffolk County Department of Health Services agrees to waive further administrative enforcement action against the Respondent named herein, and the Commissioner agrees to accept the Respondent's consent to the entry and issuance of this Order in full satisfaction of the Department's allegations herein listed, PROVIDED THAT the Respondent duly executes this Order and strictly adheres to all of its terms, conditions and provisions.

Dated: 1/8/82

Hauppauge, New York

[signature] M.D.

David Harris, M.D., M.P.H.
Commissioner
Suffolk County Department
of Health Services

By:

In the Matter of the Complaint

- against -

SPECTRUM FINISHING CORP. and
WILLIAM DE CHIRICO, VICE PRESIDENT
50 DALE STREET
WEST BABYLON, NEW YORK 11704

Respondents.

Under and Pursuant to the Public Health Law of the State of New York, the Sanitary Code of the County of Suffolk, and the Statutes of the State of New York and the Laws and Ordinances of the County of Suffolk.

FINDING OF FACT
RECOMMENDATION
DECISION & ORDER

copy to G.W.
3/3/83 RLN

To: Spectrum Finishing Corp. and
William DeChirico, Vice President
50 Dale Street
West Babylon, New York 11704

FINDING OF FACT

On the 11th day of May, 1982, at 1:39 p.m., an administrative hearing, pursuant to the Notice of Formal Hearing, was held regarding alleged violations of Article 12 of the Suffolk County Sanitary Code.

1. The respondent appeared with his attorney and pled not guilty.

DECISION

Based on the testimony presented, it is the opinion of this Hearing Officer that the defendant was in violation of Article 12 of the Suffolk County Sanitary Code on the dates specified in the Notice of Formal Hearing.

RECOMMENDATION

Pursuant to Article 2, Section 218(2), a fine of $1,000.00 is imposed upon the respondent. Further, all violations listed on the Notice of Formal Hearing are to be corrected within the time frame stipulated by Mr. DeChirico, Vice President of Spectrum Finishing Corp. and entered into by counsel for the defendant as follows:

1. By June 25, 1982, respondent shall have abandoned the storm drain located approximately 15 feet northwest of the respondent's garage door, which is located on the east side of the respondent's facility. Respondent shall effectuate the abandonment of this storm drain by filling in the storm drain with clean soil to within approximately six feet so as to permit the installation of a non-porous prefabricated, concrete holding tank, which will be piped to a pre-existing storm drain

1. (cont'd.)
or storm drains located at the respondent's facility. This installation shall be performed in a workman-like manner so as to prevent the discharge of any rainwaters or other liquids into the ground located at the aforementioned storm drain which is being filled in.

2. By May 21, 1982, respondent shall have installed a solid, non-porous storm drain cover over the aforementioned storm drain to prevent accidental or intentional discharges into the storm drain prior to its abandonment and installation of a solid tank.

3. By June 11, 1982, respondent shall have submitted to this department applications pursuant to Article 12 of the Suffolk County Sanitary Code.

4. By May 19, 1982, in satisfaction of the department's violations alleged in this formal hearing, in addition to the aforementioned items contained in this stipulation and agreement, respondent shall submit to the department a check in the sum of $1,000.00 civil penalty.

James L. Corbin
Hearing Officer

David Harris, M.D., M.P.H.
Commissioner

Dated: June 29, 1982
Hauppauge, New York

694-0306 — 694-0307

f/c

Spectrum Finishing Corp.

METAL FINISHING

50 DALE STREET BOX 327 BABYLON, N.Y. 11704

July 21, 1982

Suffolk County Dept. of Health
15 Horseblock Place
Farmingville, New York 11738

Att: Mr. Peter Akras

Dear Mr. Akras:

This letter is to orient you to some of the steps we will take in order to comply with Article 12, of the Suffolk County Sanitary Code.

(1) Berms will be built around all openings in the plating area, all doors, over-head doors and the retaining wall opening in plating shop, to comply with the code.

? (2) The tanks have been checked for potential leaks and found sound.

(3) We will paint the berms with epoxy to insure that there would be no erosion taking place on the concrete.

I will call you to find out if this is satisfactory. Then I will fill out and send in the appropriate applications, thank you.

Very Truly Yours,

Spectrum Finishing Corp.

William De Chirico

William De Chirico
Vice President

WD/mw

STATE OF NEW YORK: COUNTY OF SUFFOLK
DEPARTMENT OF HEALTH SERVICES

----------X

In the Matter of the Complaint

- against -

Spectrum Finishing Corp.
50 Dale Street
West Babylon, New York 11704

Respondent.

NOTICE OF
FORMAL HEARING

Under and Pursuant to the Public Health Law of the State of New York, the Sanitary Code of the County of Suffolk and the Statutes of the State of New York and the Laws and Ordinances of the County of Suffolk.

----------X

TO: Spectrum Finishing Corp.
50 Dale Street
West Babylon, New York 11704

PLEASE TAKE NOTICE:

THAT YOU ARE DIRECTED TO APPEAR at the office of the Department of Health Services of the County of Suffolk at 225 Rabro Drive East, Hauppauge, New YOrk, Room #300, on the 11th day of May, 1982, at 1:30 PM, in connection with certain alleged violations of Article 12 of the Suffolk County Sanitary Code and/or ordinances, rules, regulations and orders promulgated thereunder, to wit:

THAT, Order on Consent IW 81-53 negotiated by and duly entered into by Respondent, above named, binding the said Respondent to compliance therewith, has been violated by the Respondent in that:

1. Respondents did discharge toxic or hazardous materials on March 2, 1982, February 2, 1982, and January 27, 1982, in violation of Paragraph #1 of Order on Consent IW 81-53.

2. Respondent did not by January 3, 1982, submit applications and plans for a certificate to operate a storage facility in compliance with Article 12 as required by Paragraph 2 of Order on Consent IW81-53.

3. Respondent did not by March 3, 1982, complete construction of its storage facility for toxic or hazardous materials as required in Paragraph #3 of Order on Consent IW81-53.

4. Respondent did not by December 17, 1981, move all storage of its toxic or hazardous materials indoors and continue to store its toxic or hazardous materials indoors as required in Paragraph #4 of Order on Consent IW 81-53, in that Respondent did store toxic or hazardous materials outdoors on January 21, 1982, January 26, 1982, January 27, 1982, February 2, 1982, February 8, 1982 and March 2, 1982.

5. That the violations alleged in Item #1 above are also violations of Article 12, Section 1205(a)(6) - discharging in excess of New York State Discharge Standards.

THAT, each day of violation constitutes a separate and distinct violation subject to a civil penalty not to exceed the sum of Five Hundred ($500) Dollars for each day of violation, as prescribed by Article 2, Section 218, Paragraphs 2 and 5 of the Sanitary Code of Suffolk County and

Section 309 of the Public Health Law of the State of New York.

THAT, you may appear with or without counsel and you may produce any witnesses and evidence in your behalf.

THAT, you may contact the Hearing Coordination Officer at 435-2785, if you have questions relative to the hearing or require additional information.

WHEREFORE, the Department as Plaintiff in this matter demands:

a). A finding of violation in each of the above-enumerated allegations;

b). An order requiring the payment of a civil penalty in the amount of:

I. One Thousand Five Hundred ($1500) dollars for the three violations of Paragraph #1 of Order on Consent IW 81-53 as detailed in Item #1 above,

II. Five Hundred ($500) dollars for violation of Paragraph #2 of Order on Consent IW 81-53 as detailed in Item #2 above,

III. Five Hundred ($500) dollars for violation of Paragraph #3 of Order on Consent IW81-53 as detailed in Item #3 above,

IV. Three Thousand ($3,000) dollars for the six violations of Paragraph #4 of Order on Consent IW81-53 as detailed in Item #4 above,

V. One Thousand Five Hundred ($1,500) dollars for the three violations of Article 12, Section 1205(a)(6)

as detailed in Item #5 above.

c). An order requiring immediate cessation of all unpermitted discharges, immediate compliance with Article 12 regarding Respondent's storage of toxic or hazardous materials, and such other relief as may be appropriate and necessary under the circumstances.

PLEASE TAKE NOTICE

THAT, upon your failure to appear, the hearing may be held in your absence and a determination may be made, and such proceedings instituted under the law, either administrative, civil or criminal, as may be deemed necessary and appropriate in the circumstances.

James L. Corbin
Hearing Officer

DATED:

Hauppauge, New York

DEPARTMENT OF HEALTH SERVICES

In the Matter of the Complaint

- against -

SPECTRUM FINISHING CORP. and
WILLIAM DE CHIRICO, VICE PRESIDENT
50 DALE STREET
WEST BABYLON, NEW YORK 11704

Respondents.

FINDING OF FACT
RECOMMENDATION
DECISION & ORDER

Under and Pursuant to the Public Health Law of the State of New York, the Sanitary Code of the County of Suffolk, and the Statutes of the State of New York and the Laws and Ordinances of the County of Suffolk.

To: Spectrum Finishing Corp. and
William DeChirico, Vice President
50 Dale Street
West Babylon, New York 11704

FINDING OF FACT

On the 11th day of May, 1982, at 1:39 p.m., an administrative hearing, pursuant to the Notice of Formal Hearing, was held regarding alleged violations of Article 12 of the Suffolk County Sanitary Code.

1. The respondent appeared with his attorney and pled not guilty.

DECISION

Based on the testimony presented, it is the opinion of this Hearing Officer that the defendant was in violation of Article 12 of the Suffolk County Sanitary Code on the dates specified in the Notice of Formal Hearing.

RECOMMENDATION

Pursuant to Article 2, Section 218(2), a fine of $1,000.00 is imposed upon the respondent. Further, all violations listed on the Notice of Formal Hearing are to be corrected within the time frame stipulated by Mr. DeChirico, Vice President of Spectrum Finishing Corp. and entered into by counsel for the defendant as follows:

1. By June 25, 1982, respondent shall have abandoned the storm drain located approximately 15 feet northwest of the respondent's garage door, which is located on the east side of the respondent's facility. Respondent shall effectuate the abandonment of this storm drain by filling in the storm drain with clean soil to within approximately six feet so as to permit the installation of a non-porous prefabricated, concrete holding tank, which will be piped to a pre-existing storm drain

1. (cont'd.)
or storm drains located at the respondent's facility. This installation shall be performed in a workman-like manner so as to prevent the discharge of any rainwaters or other liquids into the ground located at the aforementioned storm drain which is being filled in.

2. By May 21, 1982, respondent shall have installed a solid, non-porous storm drain cover over the aforementioned storm drain to prevent accidental or intentional discharges into the storm drain prior to its abandonment and installation of a solid tank.

3. By June 11, 1982, respondent shall have submitted to this department applications pursuant to Article 12 of the Suffolk County Sanitary Code.

4. By May 19, 1982, in satisfaction of the department's violations alleged in this formal hearing, in addition to the aforementioned items contained in this stipulation and agreement, respondent shall submit to the department a check in the sum of $1,000.00 civil penalty.

James L. Corbin
Hearing Officer

David Harris, M.D., M.P.H.
Commissioner

Dated: June 29, 1982
Hauppauge, New York

STATE OF NEW YORK : COUNTY OF SUFFOLK

DEPARTMENT OF HEALTH SERVICES

In the Matter of the Complaint

-against-

SPECTRUM FINISHING CORP.
50 Dale Street
West Babylon, New York 11704

Department of Health Services
225 Rabro Drive
Hauppauge, N. Y. 11787

May 11, 1982
1:39 p.m.

B E F O R E : JAMES L. CORBIN, Hearing Officer

HEARING, held under and pursuant to the Public Health Law of the State of New York, the Sanitary Code of the County of Suffolk and the Statutes of the State of New York and the Laws and Ordinances of the County of Suffolk, in the Matter of the Complaint against SPECTRUM FINISHING CORP., held pursuant to Notice.

A P P E A R A N C E S :

JAMES L. CORBIN
Hearing Officer

PATRICK PERRELLA
Senior Public Health Sanitarian
Environmental Enforcement Coordinator
Department of Health Services

DAVID OBRIG
Public Health Sanitarian
Department of Health Services

JO ANNE JOHNSON
Public Health Sanitarian
Department of Health Services

SALAVATORE JAMES NICOSIA, ESQ.
Attorney for Respondent
145 Merritt Road
Farmingdale, New York 11735

WILLIAM DE CHIRICO
Vice President of Spectrum Finishing Corporation
50 Dale Street
Babylon, New York 11704

* * * * *

THE HEARING OFFICER: At this time, I would like to open the hearing, formal hearing on the matter before us pertaining to Spectrum Finishing Corporation, 50 Dale Street, West Babylon, New York.

I would like to mark as Exhibit 1 the Notice of Formal Hearing.

(Whereupon, the above-referred to Notice of Formal Hearing was marked as

Department's Exhibit 1 in evidence)

THE HEARING OFFICER: The second matter of business, I would like to mark Exhibit 2, the letter from the Commissioner, Dr. David Harris, appointing me as Hearing Officer in this matter.

(Whereupon, the above-referred to designation was marked as Department's Exhibit 2 in evidence)

THE HEARING OFFICER: For the record, would you please identify yourselves.

MR. PERRELLA: Patrick Perrella, Senior Sanitarian, Suffolk County Department of Health Services.

MR. OBRIG: David Obrig, Public Health Sanitarian, Suffolk County Health Department.

MS. JOHNSON: JoAnne Johnson, Public Health Sanitarian, Suffolk County Department of Health Services.

MR. NICOSIA: Salvatore J. Nicosia, attorney, 145 Merritt Road, New York, counsel to Spectrum.

MR. DE CHIRICO: William DeChirico, Spectrum Finishing Corporation.

THE HEARING OFFICER: In the absence of a County Attorney, Mr. Perrella, would you like to open with a statement.

MR. PERRELLA: Yes, first of all, I would like to introduce for the record, evidence of a duly executed Order on Consent, which was agreed to between Spectrum Finishing Corporation and Suffolk County Department of Health Services. This Order on Consent, which I will identify by its consent order number IW81-53; date, 12/1/81; this Order on Consent was signed by Spectrum Finishing on December 16, 1981, and was signed by the Commissioner, Dr. David Harris, on January 8, 1982.

The terms of this Order on Consent, which I'm not going to read verbatim, but I would like to bring the Hearing Officer's attention to, in that the Department is alleging that the Order on Consent has been violated. With regard to Paragraph Number One, which stated: Respondent shall not discharge any of its industrial waste onto the ground unless the Respondent, Spectrum Finishing,

shall have applied for, and received, a S.P.D.E.S. permit for such discharge.

In addition, the Department alleges that Respondent did violate Paragraph Number Two, that is, of the Order on Consent, in that Respondent failed to submit by January 3rd, 1982, complete application for Article 12,certificate to operate a storage facility.

In addition, Department alleges that Respondent did not, by March 3rd, 1982, complete construction of its storage facility for toxic or hazardous materials as required in Paragraph Three of the Order on Consent.

In addition, the Department alleges that Respondent did not, by December 17, 1981, move all of its storage of toxic or hazardous materials indoors and continue to store indoors as required in Paragraph Four of its Order on Consent.

I wish to bring the Hearing Officer's attention to the fact that a violation of the duly executed Order on Consent is a violation of the Suffolk County Sanitary Code

in of itself and that the violations alleged in Item Number One of the Hearing Notice, which referred to unpermitted discharges, are also violations of the Suffolk County Sanitary Code in and of themselves.

I would like to introduce into evidence the Order on Consent Number 81-53. Mark that as an exhibit.

(Whereupon, the above-referred to Order on Consent was handed from Mr. Perrella to the Hearing Officer)

MR. PERRELLA: I'm sorry. I think protocol dictates I show it to you.

(Whereupon, the above-referred to Order on Consent was handed from the Hearing Officer to Mr. Nicosia.)

MR. NICOSIA: No objection.

THE HEARING OFFICER: Please mark that Exhibit 3.

(Whereupon, the above-referred to Order on Consent, was marked as Department's Exhibit 3 in evidence)

THE HEARING OFFICER: Continue, please.

MR. PERRELLA: At this time, I would

like to introduce Department's witness, Mr. David Obrig. Could we swear in the witness.

D A V I D O B R I G, a witness in behalf of the Department of Health Services, having been duly sworn by a Notary Public of the State of New York, upon being examined, testified as follows:

MR. PERRELLA: Can you state your name?

MR. OBRIG: David Obrig.

MR. PERRELLA: Your connection with the Department of Health Services?

MR. OBRIG: I am a Public Health Sanitarian.

MR. PERRELLA: Your job duties entail?

MR. OBRIG: Inspection of industrial facilities for compliance with Suffolk County Sanitary Code and New York State Conservation Law.

MR. PERRELLA: Mr. Obrig, on January 21, 1982, did you happen to visit Respondent's facility, Spectrum Finishing Corporation?

MR. OBRIG: I did.

MR. PERRELLA: Could you inform us as to why you were there and what you found?

MR. OBRIG: That during the normal course of my duties, I would be going through that area, and as I was driving through the alleyway between the two industrial buildings on that site, I observed the violation.

MR. NICOSIA: Objection. He has concluded that it was a violation. I would ask him that he testify to what he observed and what he saw.

THE HEARING OFFICER: I agree.

MR. OBRIG: Okay. Do you want me to --

THE HEARING OFFICER: Restate it.

MR. OBRIG: I observed an electric pump set up on a 55-gallon drum with a green garden-type hose of approximately one-half inch to three-quarter inch diameter, leading under the garage type door on the east side of Spectrum Finishing. There was a black hose going from that same pump, which

was approximately one to one and-a-half inch diameter, leading into a gray PVC tank which was approximately four feet by four feet by twelve feet, outside on the ground.

I observed a white cylindrical plastic type tank, which was approximately three feet in radius and six feet high, outside on the ground, and that was approximately half full with dark liquid.

MR. PERRELLA: Mr. Obrig --

MR. OBRIG: Can I finish?

Liquid in the gray PVC tank was approximately 12 to 18 inches high; the coloring was orange, orange-brown. Ph of that material was 12. I also took a sample of the same, the liquid inside the PVC tank. I also observed a greenish liquid discoloration under the snow - there was snow on the ground at the time - and that appeared to be leading to a storm drain which was located approximately four feet from the gray PVC tank.

MR. PERRELLA: Mr. Obrig --

THE HEARING OFFICER: I have a question.

You are reading from a document that has not been introduced. I do not have a time frame. You did not state a time frame. Is that germane to the Notice of Formal Hearing? Is that part of this record?

MR. PERRELLA: Excuse me. When you say you do not have a time frame: January 21st.

THE HEARING OFFICER: When did you make this alleged observation?

MR. OBRIG: Twenty-first of January at about 8:40 a.m.

THE HEARING OFFICER: Twenty-first of January? I would like to respectively give counsel a chance to perhaps give an opening statement as to the charges before we go on to additional information which appears to me of subsequent inspection.

MR. NICOSIA: Counsel has no statement to make with respect to the charges other than to enter a general denial that they are in violation of the Consent Order.

With respect to the testimony that this Mr. Obrig is now giving, there is no statement to that effect in the Complaint

that was served upon us with the Notice of Formal Hearing.

MR. PERRELLA: Mr. Hearing Officer, if I may --

MR. NICOSIA: There is no alleged violation of the time testified to on January 21, 1982.

THE HEARING OFFICER: That was my question.

MR. PERRELLA: Paragraph Four of the Complaint alleges that toxic or hazardous materials were stored out of doors at Respondent's facility on January 21, 1982, and subsequent dates.

THE HEARING OFFICER: All right. I see it.

MR. PERRELLA: I wish to ask Mr. Obrig what relevance the field Ph, which you alluded to, is to this hearing? Why did you take a field Ph and what is it?

MR. OBRIG: A field Ph is testing the acidity or alkalinity of a liquid. Normal procedure to carry such paper in the car.

MR. PERRELLA: Mr. Obrig, you gave a reading of a Ph. That Ph reading was --

MR. OBRIG: Twelve.

MR. PERRELLA: That level 12 is considered -- could you give some sort of explanation to the hearing here why - what 12 signifies?

MR. OBRIG: It's highly alkaline, very basic.

MR. PERRELLA: Is there some sort of limitation on discharges as to Ph levels?

MR. OBRIG: Well, there's a limitation on classification of toxic or hazardous materials.

MR. PERRELLA: I am just questioning, you took a field Ph, and I would like to know the reason for taking the Ph and your interpretation of that reading.

MR. OBRIG: The interpretation of the reading was that that was a violation, to be considered a toxic or hazardous material if it was of that Ph.

MR. PERRELLA: Why is that a violation?

MR. OBRIG: It's a violation of the

Suffolk County Sanitary Code, Article 12.

MR. NICOSIA: Mr. Corbin, I am going to object to this testimony unless he can establish what are the criteria established by the Nassau County Sanitary Code.

THE HEARING OFFICER: Suffolk County.

MR. NICOSIA: (Continuing) Suffolk County Sanitary Code that constitute a violation.

MR. PERRELLA: I wish to introduce into evidence for the Hearing Officer's attention, Article 12, Section 1205 and Section 1203(k) of the Suffolk County Sanitary Code. I will read -- is it necessary to introduce the code itself into evidence?

THE HEARING OFFICER: No. The Code is a document that is well-known to the Department of Health Services.

If counsel would like a copy, I think we could break for a second and we could Xerox a copy for him.

(Whereupon, the above-referred to document was handed from Mr. Perrella to Mr. Nicosia.)

THE HEARING OFFICER: Off the record.

(Discussion held off the record)

MR. NICOSIA: Fine. We can continue.

THE HEARING OFFICER: Very good.

MR. NICOSIA: Counsel admits that Section 1205 of the Health Code is --

THE HEARING OFFICER: Stipulates to the toxicity of the material in question.

MR. NICOSIA: Doesn't talk about toxicity or alkalinity. It talks about illegal discharging. It talks in terms of no illegal discharge.

MR. PERRELLA: Section 1205(a) states: It shall be unlawful for any person to discharge toxic or hazardous materials unless such discharge is specifically in accordance with the State Pollutant Permit, S.P.D.E.S. permit, and Section 1203(k) identifies toxic or hazardous materials as being, among other things, acids and alkalies

beyond the Ph range of 6.5 to 8.5. Therefore, I wish to bring to the Hearing Officer's attention that the Ph of 12 as indicated by Mr. Obrig was in excess of the 6.5 to 8.5 Ph range.

Mr. Obrig, on January 2nd, you mentioned that you -- January 21st, you mentioned that you had noticed outdoor storage; that a Ph was taken; that it was in excess of - it was a Ph of 12, which we have just determined is in excess of allowable discharge limits, on that date. Is there anything else that you did see or work that you performed at the site?

MR. OBRIG: I took a sample from the gray PVC tank.

MR. PERRELLA: Do you have results of that sample analysis?

MR. OBRIG: Yes, I do.

MR. PERRELLA: Mr. Hearing Officer, I would like to introduce as Exhibit B, a copy of a sample analysis performed by the Suffolk County Laboratory, of a sample taken by Mr. Obrig on January 21st from a

PVC tank, located at Respondent's facility. I wish to bring your attention to the fact that the sample analysis indicates the presence --

MR. NICOSIA: Mr. Corbin, until it has been introduced into evidence, I would object to any comments on it.

THE HEARING OFFICER: I agree.

(Whereupon, the above-referred to document was handed from Mr. Ferrella to Mr. Nicosia)

MR. NICOSIA: No objections.

THE HEARING OFFICER: Mark this as Exhibit 4.

(Whereupon, the above-referred to analysis report was marked as Department's Exhibit 4 in evidence)

MR. FERRELLA: Mr. Hearing Officer, I wish to bring your attention to the fact that the levels of metals present there, and if you want me, reiterate what we've got. Presence of copper, 1,900 milligrams per liter. Lead -- rather, cadmium - sorry - 58,000 milligrams per

liter. Zinc, 70 milligrams per liter. Nickel, 75 grams per liter. Chromium, 65 milligrams per liter. Iron, 900 milligrams per liter. The levels indicated in the sample analysis represent the presence of heavy and toxic metals in excess of standards permitted in the Suffolk County Sanitary Code and the New York State Environmental Conservation Law.

I wish also to bring your attention --

MR. NICOSIA: Objection.

THE HEARING OFFICER: Hold on a minute.

MR. NICOSIA: You have not established that the percentages found in this test solution exceed the limits permitted by either the state or the county.

THE HEARING OFFICER: That is correct.

MR. PERRELLA: Article 12, Section 1205, which I referred to earlier, states:

It shall be unlawful for anyone to discharge toxic or hazardous materials in excess of New York State discharge standards, and again, 1203(k) states that toxic or

hazardous means, any material which because of its chemical or infectious characteristics may be a potential hazard to the drinking water supply. This includes but is not limited to a list of hazardous substances found in Part 116, Title 40 of the Code of Federal Regulations. And heavy metal waste and solutions -- and I don't think it's necessary to go on through the whole rest of it.

THE HEARING OFFICER: I believe the question that was raised, if you have 1,000 milligrams per liter, what is the minimum? How did he exceed?

MR. PERRELLA: I don't have a copy of the New York State discharge standards with me right now. The limit set forth for these metals are present in the -- is it on here? It's on the original --

MR. DE CHIRICO: It's on the back.

MR. PERRELLA: The levels are on the back; however, I'm trying to refer to what part and section of the Environmental Conservation Law. It's Part 751. I would

not like to be held to that; however, the allowable limits for copper stated in the New York State discharge standards is one milligram per liter. The allowable limit for iron is .6 milligrams per liter. The allowable limit for nickel is two milligrams per liter; for zinc, five milligrams per liter and for cadmium, .02 milligrams per liter, and --

MR. NICOSIA: Mr. Corbin, I am going to object to all of this testimony having to do with the allowable limits. The man is reading from a document not in evidence and does not constitute the allowable higher limit of metal permitted under County or State Law. I am really repeating the objection I made earlier.

MR. PERRELLA: I wish to state that the Article 12 is clear and concise as to what is allowable discharge and what is a toxic or hazardous material, and the Article 12 refers to the New York State Environmental Conservation Law from which I have just been reading the allowable limits that are the

upper level permitted for any discharge.

THE HEARING OFFICER: Do you wish to submit that as part of the evidence, and I will weigh it accordingly?

MR. PERRELLA: Yes, sir. I wish to introduce as Exhibit 5, a copy of the schedule one for discharge standards of heavy metals.

(Whereupon, the above-referred to document was handed from Mr. Perrella to the Hearing Officer)

THE HEARING OFFICER: Is it both sheets?

MR. PERRELLA: No.

(Whereupon, the above-referred to document was handed from the Hearing Officer to Mr. Nicosia.

MR. PERRELLA: The back.

MR. NICOSIA: I know it is on the back. I am going to object to it. That does not constitute evidence of what the higher allowable limits under State or County Law is.

MR. PERRELLA: Mr. Hearing Officer --

THE HEARING OFFICER: For the record, could you clarify where this document --

MR. PERRELLA: That is a photocopy of the page.

THE HEARING OFFICER: (Continuing) -- came from?

MR. PERRELLA: From the Part which, I believe, it's Part 750. I don't know the Article of the New York State Environmental Conservation Law.

THE HEARING OFFICER: I will take your objection under advisement and I will weigh this accordingly.

MR. PERRELLA: Mr. Obrig --

THE HEARING OFFICER: The actual test from the laboratory, the analysis, where is that?

MR. PERRELLA: This is January 26th. We are still on January 21st. I thought we marked it in evidence before.

THE HEARING OFFICER: Yes, but I don't have it. I gave it back to you to read from. In the future, I would appreciate it if you made three copies of what you are

going to submit so you can give counsel and myself appropriate copies.

MR. PERRELLA: All right.

Mr. Obrig, did you happen to visit Respondent's facility again subsequent to January 21st of 1982? To be more specific, did you visit Respondent's facility on January 26th?

MR. OBRIG: Yes, I did. I went down to Spectrum Finishing on the 26th of January at approximately 1:15 p.m. I removed a sample from the storm drain located approximately 15 feet northeast of Spectrum's garage door, located on the Dale Street side of the building. The field Ph at that time was approximately 12. I also found that the gray PVC tank was still located on the northeast of the garage door. It contained four to six inches of frozen, yellow liquid with a Ph of approximately 12.

MR. PERRELLA: Mr. Obrig, was the Respondent storing toxic or hazardous materials out of doors?

MR. OBRIG: By the definitions already

submitted, yes.

MR. NICOSIA: I object to the question and to the answer. The answer asks for a conclusion and the answer is a conclusion.

THE HEARING FOFFICER: Sustained.

MR. PERRELLA: I wish to bring the Hearing Officer's attention to the fact that administrative hearings do not follow the rigid rules of evidence and procedure that a courtroom proceeding would adhere to; that the rules and evidence and testimony and evidence is by tradition and has been upheld in court precedent to be as more relaxed and more informal than the rules of evidence as presented in a formal proceeding. Therefore, I feel that counsel's objection to the type of questioning that is progressing here should not be adhered to, and I think that counsel should be advised that the rigid rules of evidence are not required.

MR. NICOSIA: May I respond?

THE HEARING OFFICER: Surely.

MR. NICOSIA: Mr. Corbin, I understand

this is an administrative hearing, and I understand that the rules of evidence do not - the formal rules of evidence that apply in a courtroom, do not necessarily apply in an administrative hearing; but I also suggest to you that you possess the power to sizable money fines and that there is a degree of formality of proof that is required, and that conclusory statements should not be permitted by you to the aim of the Department of Environmental Conservation.

THE HEARING OFFICER: I agree, and I do not think we should fence any longer. Can we go off the record for a moment.

(Discussion held off the record)

(Whereupon, at 2:16 p.m., a recess was taken)

(Whereupon, at 3:14 p.m., the within hearing was resumed)

MR. NICOSIA: Mr. Perrella, do you want me to dictate to the stenographer what I believe to be the agreement or do you want to do it?

MR. PERRELLA: I will do it.

Off the record.

(Discussion held off the record)

MR. PERRELLA: Mr. Hearing Officer, I believe, while we were in recess, the Department and Spectrum Finishing did come into terms of agreement that we would like to issue or rather put on the record right now, and after I introduce what I believe are the terms of the agreement, if you could ask Spectrum Finishing if, in fact, they are the correct terms and if they agree and concur.

THE HEARING OFFICER: Fine.

MR. PERRELLA: The terms are as follows:

Number One, by June 25, 1982, Respondent shall have abandoned the storm drain located approximately 15 feet northwest of Respondent's garage door, which is located on the east side of Respondent's facility. Resondent shall effectuate the abandonment of this storm drain by filling in the storm drain with clean soil to within approximately six feet so as to permit the

installation of a non-porous prefabricated, concrete holding tank, which will be piped to pre-existing storm drains or - I'm sorry - a pre-existing storm drain or storm drains located at Respondent's facility. This installation shall be performed in a workmanlike manner so as to prevent the discharge of any rainwaters or other liquids into the ground located at the aforementioned storm drain which is being filled in.

THE HEARING OFFICER: Off the record.

(Discussion held off the record)

MR. PERRELLA: Item: Number Two: By May 21, 1982, Respondent shall have installed a solid, non-porous storm drain cover over the aforementioned storm drain to prevent accidental or intentional discharges into that storm drain.

MR. NICOSIA: Off the record.

(Discussion held off the record)

MR. PERRELLA: The purpose of the solid cover is to act as an interim corrective measure to prevent discharges into the storm drain prior to its abandonment

and installation of a solid tank.

Item Number Three: By June 11, 1982, Respondent shall have submitted to this Department applications pursuant to Article 12 of the Suffolk County Sanitary Code so as to bring Respondent's facility into compliance - excuse me. Strike - so as to bring Respondent's storage of toxic or hazardous materials at Respondent's facility into compliance with Article 12.

Item Number Four: By May 19th, in satisfaction of Department's violations alleged in this formal hearing, in addition to the aforementioned items contained in this stipulation and agreement, Respondent shall submit to the Department a check in the sum of $1,000 civil penalty.

Off the record.

(Discussion held off the record)

MR. PERRELLA: I believe that concludes the agreement.

THE HEARING OFFICER: That is your recommendation to the Commissioner.

MR. PERRELLA: Yes.

MR. NICOSIA: I, as counsel for the Respondent, consent to those terms; recommend that they be approved by Mr. Corbin, if that is required in this proceeding.

THE HEARING OFFICER: It is; and it is further required by me that you understand all the aforementioned statements by both parties, and you do agree as vice president of this firm?

MR. DE CHIRICO: That's correct.

THE HEARING OFFICER: You have the authority to accept this?

MR. DE CHIRICO: As an officer of the company, I do.

THE HEARING OFFICER: Very good.

(Whereupon, at 3:23 p.m., the within hearing was concluded)

* * * * *

E X H I B I T S

CERTIFICATE OF REPORTER

I, DENISE MURTHA, hereby certify that the within hearing was held before me on the 11th day of May, 1982.

That the witness herein, DAVID OBRIG, was duly sworn before the commencement of his testimony; that the testimony was taken stenographically by myself and then transcribed by myself; that the parties were represented by counsel as appears herein.

That the within transcript is a true record of the within hearing and testimony of said witness.

That I am not connected by blood or marriage with any of the parties. I am not interested directly or indirectly in the matter in controversy, nor am I in the employ of any of the counsel.

IN WITNESS WHEREOF, I have hereunto set my hand this 2nd day of June 1982.

Denise Murtha

DENISE MURTHA

COUNTY OF SUFFOLK

DEPARTMENT OF HEALTH SERVICES

NOTICE OF VIOLATION: N.Y.S. ENVIRONMENTAL CONSERVATION LAW

[redacted]ctrum Finishing Corp.
50 Dale Street
N. Babylon, New York 11704

Date 2-26-82
SPDES NO.
Lab No. 1-82-157
Field No. 1 DO 26-1

[redacted]tlemen:

[redacted]-26-82 samples of industrial waste were taken from your storm drain approx. 15 ft. north west - near garage door.
[redacted] analysis, the following parameters were found in concentrations [redacted] the maximum allowed in your SPDES permit or in groundwater effluent [redacted]andards:

[redacted]	Copper - 12.0 mg/L	6.	pH - 12
	Iron - 14.0 mg/L	7.	
[redacted]	Nickel - 3.8 mg/L	8.	
	Cadmium - 150.0 mg/L	9.	
[redacted]	Silver - 0.2 mg/L	10.	

[redacted]e be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law. Please be further [redacted]dvised that the discharge of any water from an industrial process to [redacted]e groundwater of Suffolk County without having first obtained a State [redacted]l[redacted]utant Discharge Elimination System (SPDES) permit for that discharge [redacted]s also a violation of the N.Y.S.E.C.L. and S.C. Sanitary Code, Art. 12.

[redacted]ou do not already possess a valid SPDES permit for the above discharge, [redacted]en you should apply immediately, through this office, for said permit.

[redacted]e the above noted violations may subject you to legal action, it is [redacted]pected that these violations cease immediately. A reinspection in the [redacted]ar future will determine your compliance in this matter.

[redacted]y truly yours,

(SEE REVERSE SIDE FOR STANDARDS)

[redacted] H. Finkenberg
[redacted]Sanitarian
[redacted]vironmental Pollution Control
[redacted]/cc

Central Islip, N. Y. 11722
[redacted]ISLIP LANE Box G [redacted] (516) [redacted]

COUNTY OF SUFFOLK

DEPARTMENT OF HEALTH SERVICES

NOTICE OF VIOLATION: N.Y.S. ENVIRONMENTAL CONSERVATION LAW

Spectrum Finishing Corp.
50 Dale Street
W. Babylon, N. Y. 11704

Date 2-26-82
SPDES NO. NY 0085561
Lab No. 2-82-42
Field No. 1 DO 2-2

Gentlemen:

On 2-2-82 samples of industrial waste were taken from your PVC tank north side of bldg. 3" 6" yellow liquid. Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES permit or in groundwater effluent standards:

1. Copper - 340.0 mg/L
2. Iron - 160.0 mg/L
3. Nickel - 38.0 mg/L
4. Zinc - 32.0 mg/L
5. Cadmium - 12000.0 mg/L
6. pH - 12
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) permit for that discharge is also a violation of the N.Y.S.E.C.L. and S.C. Sanitary Code, Art. 12.

If you do not already possess a valid SPDES permit for the above discharge, then you should apply immediately, through this office, for said permit.

Since the above noted violations may subject you to legal action, it is expected that these violations cease immediately. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

(SEE REVERSE SIDE FOR STANDARDS)

John H. Finkenberg
Jr. Sanitarian
Environmental Pollution Control
JHF/cc

Central Islip, N. Y. 11722

Division Lane Box G

COUNTY OF SUFFOLK

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Date March 22, 1982
SPDES NO.
Lab. No. 3-82-53
Field No. 8 DO 3-2

Spectrum Finishing Corp.
5[redacted] Dale Street
West Babylon, New York 11704

Gentlemen:

On March 2, 1982 samples of industrial waste were taken from your fourth pool (solid cover) west side alley between NTU & Spectrum. Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

1. Iron - 6.5 mg/L
2. Nickel - 7.5 mg/L
3. Cadmium - 3.5 mg/L
4.
5.
6.
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred ($500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

65 JETSON LANE, P.O. BOX G
CENTRAL ISLIP, N.Y. 11722
(516) 234-2622

(SEE REVERSE SIDE FOR STANDARDS)

COUNTY OF SUFFOLK

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Date March 22, 1982
SPDES NO.
Lab. No. 3-82-51
Field No. 6 DO 3-2

Spectrum Finishing Corp.
50 Dale Street
West Babylon, New York 11704

Gentlemen:

On March 2, 1982 samples of industrial waste were taken from your puddle around, third storm drain, west south side alley, between NTU & Spectrum. Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

1. Copper - 7.2 mg/L
2. Iron - 11.0 mg/L
3. Nickel - 7.5 mg/L
4. Cadmium - 2.0 mg/L
5. pH - 10
6.
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred ($500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

65 JETSON LANE, P.O. BOX G
CENTRAL ISLIP, N.Y. 11722
(516) 234-2622

(SEE REVERSE SIDE FOR STANDARDS)

COUNTY OF SUFFOLK

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Date March 22, 1982
SPDES NO.
Lab. No. 3-82-49
Field No. 4 DO 3-2

Spectrum Finishing Corp.
0 Dale Street
West Babylon, New York 11704

Gentlemen:

On March 2, 1982 samples of industrial waste were taken from your third storm drain west, south side alley, between NTU & Spectrum. Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

1. Copper - 1.3 mg/L
2. Cadmium - 0.3 mg/L
3.
4.
5.
6.
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred ($500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

65 JETSON LANE, P.O. BOX G
CENTRAL ISLIP, N.Y. 11722
(516) 234-2622

(SEE REVERSE SIDE FOR STANDARDS)

1 DO 21-2

DAVID ORRIS
NAME, NOT INITIALS

21 JAN 82

9" AM

LAB NO. 1 D [illegible]

TYPE SAMPLE IND.

TE REC'VD. 1-21-82

TIME REC'VD. 1300 hrs

DATE COMPLETED 2/3/82

SUFFOLK COUNTY HEALTH SERVICES LABORATORY
CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

R FIRM SPECTRUM FINISHING

S OR LOCATION CARE ST. NSAB.

F COLLECTION PVC TANK LOCATED ON NORTH SIDE OF SPECTRUM,

S/INSTRUCTIONS APPROX 10-15' NW OF GARAGE DOOR.

TEST	RESULT		TEST	RESULT mg./liter		TEST	RESULT mg./liter
ON UCT	umho		NITRATE-N		X	COPPER	1900.0 1.9×10^3
H	Field fr-		NITRITE		X	IRON	900. 9×10^2
TEST	RESULT mg./liter		AMMONIA-N			MANGANESE	
n. ALKALINITY			TKN		X	CHROMIUM	65.0 6.5×10^1
ALKALINITY			O-PO_4-P		X	NICKEL	75.0 7.5×10^1
HLORIDE					X	ZINC	70.0 7×10^1
LUORIDE						MAGNESIUM	
YANIDE			TOT. SOLIDS			CALCIUM	
			SUS. SOLIDS		X	LEAD	< 10.
ULFATE			DISS. SOLIDS		X	CADMIUM 55500.	> 5.3×10^4
ES						SILVER	
O.D.						SODIUM	
C.C.						POTASSIUM	
						BARIUM	
			FIELD D.O.				
			FIELD TEMP				5/11/82
			FIELD pH	ph = 12			
			FIELD COND.	umho			

Petitioner's EXHIBIT 1

55-112

DAVID OBRIG
NAME, NOT INITIALS

E COL. 2 FEB. 82

TI E COL. 11^00 AM

LAB NO. 2-82-472

TYPE SAMPLE Ind.

DATE REC'VD. 2/3/82

TIME REC'VD. 1145 hrs.

DATE COMPLETED 2/17/82

EXCEPT Cr^{+6}

SUFFOLK COUNTY HEALTH SERVICES LABORATORY
CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

AME OR FIRM SPECTRUM FINISHING

AD RESS OR LOCATION CABOT ST. FARM.

POINT OF COLLECTION PVC TANK, NORTH SIDE OF BLD.

E ARKS/INSTRUCTIONS 3-6" YELLOW LIQUID.

TEST	RESULT		TEST	RESULT mg./liter		TEST	RESULT mg./liter
CONDUCT	umho		NITRATE-N		X	COPPER	340.0 3.4×10^2
pH			NITRITE		X	IRON	160.0 1.6×10^2
TEST	RESULT m.g./liter		AMMONIA-N			MANGANESE	
ph. ALKALINITY			TKN		X	CHROMIUM	13.0 1.3×10^1
T. ALKALINITY			$O\text{-}PO_4\text{-}P$		(	NICKEL	38.0 3.8×10^1
CHLORIDE					(	ZINC	32.0 3.2×10^1
FLUORIDE						MAGNESIUM	
CYANIDE			TOT. SOLIDS			CALCIUM	
			SUS. SOLIDS		X	LEAD	1.
SULFATE			DISS. SOLIDS		X	CADMIUM	12000.0 1.2×10^4
MBAS						SILVER	
C.O.D.						SODIUM	
T.O.C.						POTASSIUM	
						BARIUM	
			FIELD D.O.		X	Cr^{+6}	INTERFERENCE
			FIELD TEMP				
			FIELD pH	pH ≅ 12			
			FIELD COND.	umho			

38-112:

NO. 2D03/2 LAB NO. 3-82-47 COMPLETED 3/1/82

OR FIRM SPECTRUM FINISHING CORP.

RESS OR LOCATION 50 PALE ST. W. BAB.

N OF COLLECTION PVC TANK LOCATED 15 FT. NW GARAGE DOOR.

RKS/INSTRUCTIONS

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
(LAB)			TOTAL SOLIDS	Mg/l	X	COPPER	1.6×10^{-2} Mg/l
RIDE	Mg/l		SUSPENDED SOLIDS		X	IRON	1.3×10^{-2}
ANIDE			DISSOLVED SOLIDS			MANGANESE	
					X	CHROMIUM-TOT	
OD					X	NICKEL	4×10^{-1}
						ZINC	
					X	LEAD	
					X	CADMIUM	8.5×10^{-3}
ATE-N					X	SILVER	.3
TRITE						CHROMIUM-+6	
ONIA-N							
KN			pH (FIELD)	pH ≥ 12			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

G TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE IN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE LE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESEN- IVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE NG SHIPMENT.

	NAME	AFFILIATION	DATE	TIME	TO DATE – TIME
COLLECTED BY	DAVID CORIS	SUFF. HEALTH DEPT.	2 MAR. 82	1015	
SSESSION BY			DATE – TIME		TO DATE – TIME
OSSESSION BY			DATE – TIME		TO DATE – TIME
CEIVED LAB BY	E. Mathews	Lab	3/2/82	1430	
OSSESSION BY			DATE – TIME		TO DATE – TIME

app. 400 3/2 LAB NO. 3-82-49 DATE COMPLETED 3/12/82 p.m.

charge

E OR FIRM SPECTRUW FINISHING CORP.

R SS OR LOCATION 50 PALE ST. W. BAB.

T OF COLLECTION 3rd SD WEST, SOUTH SIDE ALLEY - BETWEEN

A KS/INSTRUCTIONS NTU + SPECTRUM

T ST	RESULTS		TEST	RESULTS		TEST	RESULTS
(LAS)			TOTAL SOLIDS	Mg/l	X	COPPER	1.3 Mg/l
L IDE	Mg/l		SUSPENDED SOLIDS		X	IRON	3.
ANIDE			DISSOLVED SOLIDS			MANGANESE	
A					X	CHROMIUM-TOT	
D					X	NICKEL	.8
C						ZINC	
					X	LEAD	
					X	CADMIUM	.3
R TE-N					X	SILVER	<.02
RITE						CHROMIUM-+6	
M NIA-N							
N			pH (FIELD)	pH ≈ 7			
			TEMP. (FIELD)				

. METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4°C

CUSTODY OF SAMPLE

TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE N OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE E BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESEN- VE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE NG SHIPMENT.

	NAME	AFFILIATION	DATE		TIME
OLLECTED BY	DAVID CERIG	SUFF HEALTH DEPT.	2 MAR. 82		10:25
SESSION BY			DATE - TIME	TO	DATE - TIME
OSSESSION BY			DATE - TIME	TO	DATE - TIME
EIVED LAB BY	[illegible signature]	Lab.	3-2-82		14:30
OSSESSION BY			DATE - TIME	TO	DATE - TIME

NO. 600 3/2 LAB NO. 3-82-51 DATE COMPLETED 2/Mar

OR FIRM SPECTRUM FINISHING CORP.

DRESS OR LOCATION 50 PALE ST. W. BAB.

OF COLLECTION PUDDLE AROUND 3RD SO WEST SOUTH

RKS/INSTRUCTIONS SIDE ALLEY BETWEEN NEXT SPECTRUM

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
(AE)			TOTAL SOLIDS	Mg/l	X	COPPER	7.2 Mg/l
LORIDE	Mg/l		SUSPENDED SOLIDS		X	IRON	11.3
ANIDE			DISSOLVED SOLIDS			MANGANESE	
					X	CHROMIUM-TOT	
OD					X	NICKEL	7.5
						ZINC	
					X	LEAD	
					X	CADMIUM	2.
TRATE-N					X	SILVER	<.1
TE						CHROMIUM-+6	
NIA-N							
N			pH (FIELD)	ph≈10			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

G TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE N OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE PLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESEN- V WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE NG SHIPMENT.

	NAME	AFFILIATION	DATE	TIME		DATE	TIME
LECTED BY	DAVID CSRI6	SUFF HEALTH DEPT.	2MAR.82	1035			
SESSION BY			DATE	TIME	TO	DATE	TIME
SSESSION BY			DATE	TIME	TO	DATE	TIME
EIVED LAB BY	D. Mullins	Lab.	3/2/82	1430			
SSESSION BY			DATE	TIME	TO	DATE	TIME

NO. 800 3/2 LAB NO. 3-82-53 DATE COMPLETED 3/12/82 pm

OR FIRM SPECTRUM FINISHING CORP.

DRESS OR LOCATION 50 DALE ST. W. BAB.

NT OF COLLECTION 4th POOL (SOLID COVER) WEST, SOUTH-SIDE

MARKS/INSTRUCTIONS ALLEY BETWEEN 5TH + SPECTRUM

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
(LAB)			TOTAL SOLIDS	Mg/l	X	COPPER	.7 Mg/l
RIDE	Mg/l		SUSPENDED SOLIDS		X	IRON	16.5
ANIDE			DISSOLVED SOLIDS			MANGANESE	
					X	CHROMIUM-TOT	
OD					X	NICKEL	7.5
						ZINC	
					X	LEAD	
					X	CADMIUM	3.5
ATE-N					X	SILVER	.03
TRITE						CHROMIUM-+6	
ONIA-N							
N			pH (FIELD)	ph=7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

G TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE IN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE E BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESEN- IVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE NG SHIPMENT.

	NAME	AFFILIATION	DATE	TIME		DATE – TIME
COLLECTED BY	DAVID CRIG	SUFFHEALTH. DEPT.	2MAR.82	1047		
SSESSION BY			DATE – TIME		TO	DATE – TIME
OSSESSION BY			DATE – TIME		TO	DATE – TIME
CEIVED LAB BY	G. Hallen	LAB.	3/2/82	1430		
OSSESSION BY			DATE – TIME		TO	DATE – TIME

DIVISION OF SANITATION

Bergen Point Scavenger Waste Analysis - Heavy Metals

Date Col. 5/23, 5/25 Lab. No. 3617, 3621

Col. by Bergen Point Personnel Date Rec'd. 6-16-82

Number of Bottles 7 Date Completed 6/25/82

Discrete Samples 6/28/82 R Phillips

Composite & Truck #	Cu	Fe	Cr	Ni	Zn	Pb	Cd	Ag	Ca	Mg	(Specify - Other)
5-23A 3	0.2	31.0	<.1	<.1	2.6	0.2	<.1	<.1			
(4)	(2.2)	149.6	0.4	0.4	(22.6)	(5.4)	<.1	(0.6)			4 Turner Residential
6	1.0	39.6	<.1	<.1	3.7	0.6	0.0	0.0			
(7)	(3.0)	32.6	(0.6)	(1.6)	(50.0)	(14.2)	0.4	(0.9)			7 Bangiolo Residential
ALL OTHER SAMPLES MISSING											
1,2,5 → County Trucks on ph Phillips 7/7											
5-25J 1	17.2	38	<.1	<.1	0.4	<.1	<.1	0.3			
2	(41.0)	147.4	(52.0)	(52.4)	(44.0)	(17.4)	(5.8)	(1.0)			Discrete Spectrum 50 DALE W. BACALOM
3	3.2	48.4	<.1	<.1	4.0	1.0	<.1	0.2			
4-10 missing											

OM20 (Rev. 4/9/82)

HEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

18-247: 2/82

NO. 1DO12-7 LAB NO. 7-82-37 DATE COMPLETED 7/22/82

M OR FIRM SPECTRUM FINISHING CORP.

DRESS OR LOCATION CABOT ST. W. BAB.

IN OF COLLECTION SAND POOL, NORTH SIDE OF BLD.

MARKS/INSTRUCTIONS 8 FT. NORTH SOLID COVER, LIQUID TO GRADE.

EST	RESULTS		TEST	RESULTS		TEST	RESULTS
H (AB)			TOTAL SOLIDS	Mg/l	X	COPPER	.13 Mg/l
HL RIDE	Mg/l		SUSPENDED SOLIDS			IRON	
Y IDE			DISSOLVED SOLIDS			MANGANESE	
B S					X	CHROMIUM-TOT	.05
O					X	NICKEL	.1
O					X	ZINC	.54
					X	LEAD	<.2
					X	CADMIUM	<.02
IT ATE-N					X	SILVER	<.02
ITRITE						CHROMIUM-+6	
M ONIA-N							
KN			pH (FIELD)	ph≈7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

RING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE A OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE MPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESEN- I E WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE R G SHIPMENT.

	NAME	AFFILIATION	DATE	TIME
C LLECTED BY	DAVID OBRIG	SCDHS	7/20/82	8 am
POSSESSION BY			DATE - TIME	TO DATE - TIME
P SSESSION BY			DATE - TIME	TO DATE - TIME
RECEIVED LAB BY	G. Mallen	Env. Lab	7/21/82 11 AM	
SSESSION BY			DATE - TIME	TO DATE - TIME
SSESSION BY			DATE - TIME	TO DATE - TIME

FILE

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
DIVISION OF MEDICAL LEGAL INVESTIGATIONS & FORENSIC SCIENCES
PUBLIC HEALTH LABORATORY

TRACE ORGANIC ANALYSIS OF INDUSTRIAL WASTE

Name Spectrum Finishing Corp.

Location Cabot St. W. Bab.

Point of Collection Storm drain, outside paint/solvent room

Remarks: UHO copy

Compound	ppb	Compound	ppb
Methylene Chloride	—	Benzene	<10
Freon 113	<4	Toluene	<10
Chloroform	<5	o-Xylene	<10
1,1,1 Trichloroethane	<2	m,p-Xylene	<10
Carbon Tetrachloride	<1	Xylenes	—
1,1,2 Trichloroethylene	<5	Chlorobenzene	<13
Chlorodibromomethane	<2	Ethylbenzene	<10
Tetrachloroethylene	<2	Chlorotoluenes	<12
Bromoform	<5	1,3,5 Trimethylbenzene	<10
Bromodichloromethane	<3	1,2,4 Trimethylbenzene	<10
1,1,2 Trichloroethane	<5	m,p Dichlorobenzene	<14
s-Tetrachloroethane	<3	o-Dichlorobenzene	<14
n-Decane	<40	p-Diethylbenzene	<10
Undecane	<40	p-Ethyltoluene	<10
Dodecane	<40	1,2,4,5 Tetramethylbenzene	<10
n-Tridecane	<40	Octane	<40
Bromobenzene	<16	n-Nonane	<40

During transport of the sample from collection point to laboratory, the chain of custody must not be broken. The sample should be delivered by the sample collector or a designated representative who will sign for the receipt, integrity and transfer of the sample during shipment.

	SIGNATURE	AFFILIATION	DATE	TIME
1. Collected by	David Bayley	SCDHS	Mar. 9, 83	10:30 AM
2. Transfered to	Joette Campo	SCDHS-PHL	3/11/83	10:40 AM
3. Transfered to				
4. Transfered to				

CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

18-247: 2/82

FIELD NO. 2D03-9 LAB NO. 3-83-95 DATE COMPLETED 3/15/83 pm
4/6/83 cy

NAME OR FIRM Spectrum Finishing Corp.

ADDRESS OR LOCATION Cabot St. W. BAB.

POINT OF COLLECTION SANI. BOX NORTH SIDE BLD.

REMARKS/INSTRUCTIONS OFFICE SIDE.

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
pH (LAB)			TOTAL SOLIDS	Mg/l		COPPER	Mg/l
CHLORIDE	Mg/l		SUSPENDED SOLIDS			IRON	
CYANIDE			DISSOLVED SOLIDS			MANGANESE	
MBAS					X	CHROMIUM-TOT	1.7
COD			-			NICKEL	
TOC						ZINC	
					X	LEAD	<.2
					X	CADMIUM	.2
NITRATE-N					X	SILVER	.05
NITRITE				4/8/83	X	CHROMIUM-+6	.02
AMMONIA-N							
TKN			pH (FIELD)	ph=7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4°C

CUSTODY OF SAMPLE

DURING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE CHAIN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE SAMPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESENTATIVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE DURING SHIPMENT.

	NAME	AFFILIATION	DATE	TIME
COLLECTED BY	David Oberg	SCDHS	9 MAR 83	9 AM
POSSESSION BY			DATE - TIME TO	DATE - TIME
POSSESSION BY			DATE - TIME TO	DATE - TIME
RECEIVED LAB BY	S-M		3/9 DATE	12:45 TIME
POSSESSION BY			DATE - TIME TO	DATE - TIME
POSSESSION BY			DATE - TIME TO	DATE - TIME

SUFFOLK COUNTY HEALTH SERVICES LABORATORY

CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

18-247: 2/82

FIELD NO. 2003-9 LAB NO. 3-83-95 DATE COMPLETED 3/18/83 pw

NAME OR FIRM Spectrum Finishing Corp.

ADDRESS OR LOCATION Cabot St. W.BAB.

POINT OF COLLECTION SANI. SEWER NORTH SIDE MH-D;

REMARKS/INSTRUCTIONS OFFICE SIDE.

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
PH (LAB)			TOTAL SOLIDS	Mg/l		COPPER	Mg/l
CHLORIDE	Mg/l		SUSPENDED SOLIDS			IRON	
CYANIDE			DISSOLVED SOLIDS			MANGANESE	
MBAS					X	CHROMIUM-TOT	1.7X
COD						NICKEL	
TOC						ZINC	
					X	LEAD	<.2
					X	CADMIUM	.2
NITRATE-N					X	SILVER	.05
NITRITE						CHROMIUM-+6	
AMMONIA-N							
TKN			pH (FIELD)	pH=7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION X HNO_3 TO pH <2 ☐ COOL 4°C

CUSTODY OF SAMPLE

DURING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE CHAIN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE SAMPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESENTATIVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE DURING SHIPMENT.

	NAME	AFFILIATION	DATE	TIME
COLLECTED BY	David Oberg	SCDHS	9 NOV 83	9:45 AM
POSSESSION BY			DATE - TIME TO	DATE - TIME
POSSESSION BY			DATE - TIME TO	DATE - TIME
RECEIVED LAB BY	S.M		3/9 DATE	12:45 TIME
POSSESSION BY			DATE - TIME TO	DATE - TIME
POSSESSION BY			DATE - TIME TO	DATE - TIME

COUNTY HEALTH SERVICES LABORATORY

CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

18-247: 2/82

FIELD NO. 3DD3-9 LAB NO. 3-83-96 DATE COMPLETED 3/18/83 4/8/83

NAME OR FIRM Spectrum Finishing Corp.

ADDRESS OR LOCATION Cabot St. W. BAB.

POINT OF COLLECTION South side of Bld. middle, puddle

REMARKS/INSTRUCTIONS on grd.

TEST	RESULTS	TEST	RESULTS		TEST	RESULTS
pH (LAB)		TOTAL SOLIDS	Mg/l		COPPER	Mg/l
CHLORIDE	Mg/l	SUSPENDED SOLIDS			IRON	
CYANIDE		DISSOLVED SOLIDS			MANGANESE	
MBAS				X	CHROMIUM-TOT	1.6
BOD					NICKEL	
TOC					ZINC	
					LEAD	
				X	CADMIUM	<.02
NITRATE-N					SILVER	
NITRITE			4/8/83	X	CHROMIUM-+6 (0.10)	(0.87)
AMMONIA-N						
TKN		pH (FIELD)	pH=7			
		TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4°C

CUSTODY OF SAMPLE

DURING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE CHAIN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE SAMPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESENTATIVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE DURING SHIPMENT.

	NAME	AFFILIATION			
COLLECTED BY	David Olsey	SCDHS	9 MAR 83 (DATE)		10:00 am (TIME)
POSSESSION BY			DATE - TIME	TO	DATE - TIME
POSSESSION BY			DATE - TIME	TO	DATE - TIME
RECEIVED LAB BY	B-M		3/9 12.45 (DATE)		TIME
POSSESSION BY			DATE - TIME	TO	DATE - TIME
POSSESSION BY			DATE - TIME	TO	DATE - TIME

SUFFOLK COUNTY HEALTH SERVICES LABORATORY

CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

FIELD NO. 3D03-9 LAB NO. 3-83-96 DATE COMPLETED 3/8/83

NAME OR FIRM Spectrum Finishing Corp.

ADDRESS OR LOCATION Cabot St. W. Bab.

POINT OF COLLECTION South side of Bld. middle, puddle

REMARKS/INSTRUCTIONS on grd.

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
PH (LAB)			TOTAL SOLIDS	Mg/l		COPPER	Mg/l
CHLORIDE	Mg/l		SUSPENDED SOLIDS			IRON	
CYANIDE			DISSOLVED SOLIDS			MANGANESE	
MBAS					X	CHROMIUM-TOT	1.6 X
COD						NICKEL	
TOC						ZINC	
						LEAD	
					X	CADMIUM	<.02
NITRATE-N						SILVER	
NITRITE						CHROMIUM-+6	
AMMONIA-N							
TKN			pH (FIELD)	pH=7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

DURING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE CHAIN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE SAMPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESENTATIVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE DURING SHIPMENT.

	NAME	AFFILIATION	DATE - TIME	TO DATE - TIME
1. COLLECTED BY	David Obey	SCDHS	3/8/83 DATE	10:00 TIME
2. POSSESSION BY			DATE - TIME	TO DATE - TIME
3. POSSESSION BY			DATE - TIME	TO DATE - TIME
4. RECEIVED LAB BY	B.M.		3/9 DATE 12:45 TIME	
5. POSSESSION BY			DATE - TIME	TO DATE - TIME
6. POSSESSION BY			DATE - TIME	TO DATE - TIME

CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

18-247: 2/82

FILE NO. 4003-9 LAB NO. 3-83-97 DATE COMPLETED 3/18/83 RW

NAME OR FIRM Spectrum Finishing Corp.

ADDRESS OR LOCATION 50 Dale Cabot St. W. Bab.

POINT OF COLLECTION Storm drain, opposite plant storage

REMARKS/INSTRUCTIONS run.

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
pH (LAB)			TOTAL SOLIDS	Mg/l		COPPER	Mg/l
CHLORIDE	Mg/l		SUSPENDED SOLIDS			IRON	
CYANIDE			DISSOLVED SOLIDS			MANGANESE	
MBAS					X	CHROMIUM-TOT	1.2 X
COD						NICKEL	
TOC						ZINC	
					X	LEAD	<.2
					X	CADMIUM	<.02
NITRATE-N						SILVER	
NITRITE						CHROMIUM-+6	
AMMONIA-N							
TKN			pH (FIELD)	ph 7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

DURING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE CHAIN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE SAMPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESENTATIVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE DURING SHIPMENT.

	NAME	AFFILIATION	DATE	TIME		DATE	TIME
1. COLLECTED BY	David Oby	SCDHS	9 MAR 83	1015			
2. POSSESSION BY			DATE - TIME		TO	DATE - TIME	
3. POSSESSION BY			DATE - TIME		TO	DATE - TIME	
4. RECEIVED LAB BY	RW		3/9 DATE	12:45 TIME			
5. POSSESSION BY			DATE - TIME		TO	DATE - TIME	
6. POSSESSION BY			DATE - TIME		TO	DATE - TIME	

CHEMICAL EXAMINATION OF WATER, SEWAGE, INDUSTRIAL WASTE

18-247: 2/82

FIELD NO. 4D03-9 LAB NO. 3-83-97 DATE COMPLETED 3/18/83 R 4/8/83 OK

NAME OR FIRM Spectrum Finishing Corp.

ADDRESS OR LOCATION SC Dakota Cabot St. Po W. Bab.

POINT OF COLLECTION Storm drain, opposite paint storage

REMARKS/INSTRUCTIONS run.

TEST	RESULTS		TEST	RESULTS		TEST	RESULTS
pH (LAB)			TOTAL SOLIDS	Mg/l		COPPER	Mg/l
CHLORIDE	Mg/l		SUSPENDED SOLIDS			IRON	
CYANIDE			DISSOLVED SOLIDS			MANGANESE	
PBAS					X	CHROMIUM-TOT	1.2
COD						NICKEL	
TOC						ZINC	
					X	LEAD	<.2
					X	CADMIUM	<.02
NITRATE-N						SILVER	
NITRITE				4/8/83	X	CHROMIUM-+6 0.13	1.2
AMMONIA-N							
TKN			pH (FIELD)	ph=7			
			TEMP. (FIELD)				

METHOD OF PRESERVATION ☒ HNO_3 TO pH <2 ☐ COOL 4° C

CUSTODY OF SAMPLE

DURING TRANSPORT OF THE SAMPLE FROM SAMPLING SITE TO LABORATORY, THE CHAIN OF CUSTODY MUST BE UNBROKEN. GENERALLY THIS WILL REQUIRE THAT THE SAMPLE BE DELIVERED BY THE SAMPLE COLLECTOR OR HIS DESIGNATED REPRESENTATIVE WHO WILL SIGN FOR THE RECEIPT, INTEGRITY AND TRANSFER OF THE SAMPLE DURING SHIPMENT.

	NAME	AFFILIATION	DATE	TIME		DATE	TIME
1. COLLECTED BY	David Obey	SCDHS	9 MAR 83	1015			
2. POSSESSION BY					TO		
3. POSSESSION BY					TO		
4. RECEIVED LAB BY	B.M		3/9	12:45			
5. POSSESSION BY					TO		
6. POSSESSION BY					TO		

COUNTY OF SUFFOLK

DEPARTMENT OF HEALTH SERVICES

NOTICE OF VIOLATION: N.Y.S. ENVIRONMENTAL CONSERVATION LAW

Spectrum Finishing Corp.
~~Ent. St.~~ W. Bab.
50 DALE ST

Date 21 April 83
SPDES NO. ______
Lab No. 3-83-95
Field No. 2DO 3-9

entlemen:

n 9 March 83 samples of industrial waste were taken from your
SANT. POOL SOUTH SIDE (OF) BLD. OFFICE SIDE.
pon analysis, the following parameters were found in concentrations
bo e the maximum allowed in your SPDES permit or in groundwater effluent
t ndards:

. Cadmium 0.2 mg/l 6.

. 7.

. 8.

. 9.

. 10.

l ase be advised that these unsatisfactory conditions constitute viola-
i ns of the N.Y.S. Environmental Conservation Law. Please be further
dvised that the discharge of any water from an industrial process to
h groundwater of Suffolk County without having first obtained a State
o lutant Discharge Elimination System (SPDES) permit for that discharge
s also a violation of the N.Y.S.E.C.L. and S.C. Sanitary Code, Art. 12.

f you do not already possess a valid SPDES permit for the above discharge,
hen you should apply immediately, through this office, for said permit.

 ce the above noted violations may subject you to legal action, it is
xpected that these violations cease immediately. A reinspection in the
ear future will determine your compliance in this matter.

 y truly yours,

(SEE REVERSE SIDE FOR STANDARDS)

hn H. Finkenberg
 Sanitarian
vironmental Pollution Control
F/cc

Central Islip, N. Y. 11722

AVIATION LANE BOX G

COUNTY OF SUFFOLK

DEPARTMENT OF HEALTH SERVICES

NOTICE OF VIOLATION: N.Y.S. ENVIRONMENTAL CONSERVATION LAW

Spectrum Finishing Corp.
~~50 Dale St.~~ W Bab. 11702
50 Dale St.

Date 21April83
SPDES NO.
Lab No. 3-83-97
Field No. 4D039

Gentlemen:

On March 1983 samples of industrial waste were taken from your Storm drain opposite paint storage area.

Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES permit or in groundwater effluent standards:

Hexavalent Chromium 1.12mg/l 6.

7.

8.

9.

10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) permit for that discharge is also a violation of the N.Y.S.E.C.L. and S.C. Sanitary Code, Art. 12.

If you do not already possess a valid SPDES permit for the above discharge, then you should apply immediately, through this office, for said permit.

While the above noted violations may subject you to legal action, it is expected that these violations cease immediately. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

(SEE REVERSE SIDE FOR STANDARDS)

John H. Finkenberg
Sanitarian
Environmental Pollution Control
JF/cc

Central Islip, N. Y. 11722
[illegible] Box G [illegible] [illegible]

COUNTY OF SUFFOLK

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Date 5-9-83
SPDES NO.
Lab. No. 3-83-95
Field No. 2 DO 3-9

Spectrum Finishing Corp.
50 Dale St.
West Babylon, NY 11704

Gentlemen:

On 9 March 1983 samples of industrial waste were taken from your Sanitary pool North side of bldg. office side.
Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

1. Cadmium o.2 mg/l
2.
3.
4.
5.
6.
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred ($500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

(SEE REVERSE SIDE FOR STANDARDS)

orseblock Pl.
ingville, NY 11738
16) 451-4628

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Date 5-9-83
SPDES NO.
Lab. No. 3-83-97
Field No. 4 DO 3-9

Spectrum Finishing Corp.
50 Dale Street
West Babylon, NY 11704

Gentlemen:

On 9 March 1983 samples of industrial waste were taken from your storm drain, opposite paint storage room.
Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

1. Hexavalent chromium 1.2 mg/l
2.
3.
4.
5.
6.
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred ($500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

(SEE REVERSE SIDE FOR STANDARDS)

Horseblock Pl.
Farmingville, NY 11738
(516) 451-4628

COUNTY OF SUFFOLK

PETER F. COHALAN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

Date May 23, 1983
SPDES NO.
Lab. No. IW 383024
Field No. 5 DO 3-9

Spectrum Finishing Corp.
50 Dale Street
West Babylon, New York 11704

Gentlemen:

On 9 March 1983 samples of industrial waste were taken from your sanitary pool, north side of building.
Upon analysis, the following parameters were found in concentrations above the maximum allowed in your SPDES Permit or in groundwater effluent standards:

1. toluene 93.0ppb
2. 2-Butanone 500ppb
3.
4.
5.
6.
7.
8.
9.
10.

Please be advised that these unsatisfactory conditions constitute violations of the N.Y.S. Environmental Conservation Law and/or the Suffolk County Sanitary Code. Please be further advised that the discharge of any water from an industrial process to the groundwater of Suffolk County without having first obtained a State Pollutant Discharge Elimination System (SPDES) Permit for that discharge is also a violation of the N.Y.S. E.C.L. and/or the Suffolk County Sanitary Code, Article 12.

If you do not already possess a valid SPDES Permit for the above discharge, then you should apply immediately through this office for said permit.

Since the above-noted violations may subject you to legal action, it is expected that these violations cease immediately. Violations of the Suffolk County Sanitary Code are subject to the imposition of a civil penalty of up to Five Hundred ($500) dollars per violation. E.C.L. violations are also subject to a civil penalty. A reinspection in the near future will determine your compliance in this matter.

Very truly yours,

John H. Finkenberg, Sr. Sanitarian
Environmental Pollution Control

(SEE REVERSE SIDE FOR STANDARDS)

5 Horseblock Pl.
mingville, NY 11738
516) 451-4628

FIELD NO. SDO 3-9

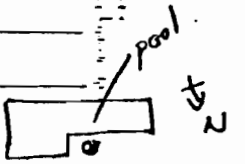
SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
DIVISION OF MEDICAL LEGAL INVESTIGATIONS & FORENSIC SCIENCES
PUBLIC HEALTH LABORATORY

TRACE ORGANIC ANALYSIS OF INDUSTRIAL WASTE

Name Spectrum Finishing Corp.

Location Cabot St. W. Bab.

Point of Collection SAND, GOOD, NORTH SIDE OF BLD.



Remarks: SEE MAP. (UHO)

Compound	ppb	Compound	ppb
Methylene Chloride	—	Benzene	<10
Freon 113	<4	Toluene	(93)
Chloroform	<5	o-Xylene	<10
1,1,1 Trichloroethane	17	m,p-Xylene	<10
Carbon Tetrachloride	<1	Xylenes	—
1,1,2 Trichloroethylene	<5	Chlorobenzene	<10
Chlorodibromomethane	<2	Ethylbenzene	<10
Tetrachloroethylene	<2	Chlorotoluenes	<12
Bromoform	<5	1,3,5 Trimethylbenzene	<10
Bromodichloromethane	<3	1,2,4 Trimethylbenzene	<10
1,1,2 Trichloroethane	<5	m,p Dichlorobenzene	<14
s-Tetrachloroethane	<2	o-Dichlorobenzene	<14
n-Decane	<40	p-Diethylbenzene	<10
Undecane	<40	p-Ethyltoluene	<10
Dodecane	<40	1,2,4,5 Tetramethylbenzene	(46)
n-Tridecane	<40	Octane	<40
Bromobenzene	<16	n-Nonane	<40
		2-Butanone	(500)

During transport of the sample from collection point to laboratory, the chain of custody must not be broken. The sample should be delivered by the sample collector or a designated representative who will sign for the receipt, integrity and transfer of the sample during shipment.

	SIGNATURE	AFFILIATION	DATE	TIME
1. Collected by	DAVID OBRIEN	SCDHS	MAR 9, 83	10:00 AM
2. Transfered to	Joette Bruno	SCDHS-PHL	3/11/83	10:40 AM
3. Transfered to				
4. Transfered to				

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

STANDARD WORKSHEET FOR DETERMINATION OF

TOXICITY OF CONTAMINATED POOLS

LD NO.: 5-D03-9 LAB NO.: IW-383024 DATE: 5 MAY 83

E OF FIRM: Spectrum Finishing Corp.

RESS OR LOCATION: Cabot St. West Bab

NT OF COLLECTION: SANI. POOL, NORTH SIDE OF BLD.

ARKS/INSTRUCTIONS:

AMETER OVER LIMIT: mg/1:		Toluene 93ppb	2-Butanone (MEK) 500 ppb		
TOXICITY MULTIPLIER (TM)	=		MOD		
	X		2.5		
STRENGTH MULTIPLIER (SM)	=		10		
	X		5		
DISTANCE TO GROUNDWATER (GW)	=				
	X		4		
HYDROGEOLOGICAL ZONE (HZ)	=				
	X		1		
DISTANCE TO NEAREST WELL (DW)	=		1		
	X				
TM X SM X GW X HZ X DW	=		50.0		

2.5
5
125
4
500

If Score is greater than 200, pump out is required.

NAME: David Obrig

SIGNATURE: D Obrig

3/82

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

Sample
File
SPDES COSTA

NAME OF FACILITY	OWNER/ OFFICER William DeChirko		PAGE 1 OF
COMPANY NAME Spectrum Finishing	CONTACT		TEL. 6940306
PLANT ADDRESS 50 DALE ST.	VILLAGE W. BAB	TOWN BAB.	ZIP
MAILING ADDRESS			

DATE 3 MAR 83	TIME 10:00 AM	ORIG. (PERIODIC) RE.	WASTE	NO WASTE (H&H)	SEWAGE SYSTEM PUBLIC (PRIVATE)

INDUSTRY: METAL PLATING

SPDES OR SPDES PERMIT? YES NO PERMIT NO.	360 PERMIT? (YES) NO PERMIT NO.

SCAVENGER: Patterson Chemical, Kellerman Paint Co. TEL.

SCAVENGER APPROVED (YES) NO	PICK UP RECORDS AVAILABLE (YES) NO	RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION YES NO — UNKNOWN.

HEATING SYSTEM-MFG. NAME		FUEL TYPE	FIRING RATE
	Gas		
INCIN. NAME		WASTE BURNED	RATE

DRUM STORAGE (YES) NO	NUMBER STORED (INDOORS) OUTDOORS	TYPE OF MATERIAL STORED (WASTE) (RAW)
STORAGE TANKS (YES) NO	NUMBER OF TANKS (ABOVEGROUND) UNDERGROUND	TYPE OF MATERIAL STORED WASTE (RAW)
PROCESS TANKS (YES) NO	NUMBER OF OPEN PROCESS TANKS SEE REPORT	ANY ART. XII VIOLATIONS (YES) NO

3 March, 1983 - 10:00 AM.

1) 1 x 55 gal waste chlorothane.

2) Drum Storage Room

1 - TANK 275 gal. Chlorothane UG.

2 - 2 x 55 gal. waste Chlorothane.

3 - 13 x 55 gal various chemicals.

PERMISSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF CESSPOOLS, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

REINSPECTION SCHEDULED ON OR AFTER ________. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY RESULT IN A HEARING AND/OR FINE. 4X/YR.

DAVID OBRIG

NAME OF PERSON REC. REPORT [signature]	TITLE Vice Pres.	INSPECTOR [signature]

155: 9/82 5/81 TJK

INDUSTRIAL WASTE PROCESS

NO.	PROCESS	CHEMICALS USED AND APPROXIMATE QUANTITY	DISCHARGE	DISCHARGE TO:
1	DEGREASER	CHLOROETHANE VG	N.D.	
		APPROX. 40 gal. PRIDE SOLVENTS PICKS UP.	SLUDGE	H.W.
2	CADMIUM PLATING 2X CHAMBER VACUUM TYPE.	CAD. PELLETS MELTED UNDER VACUUM + CURRENT PLATE WORK	ND	ND
		VACUUM OIL → "SUNUS 951" 2X55gal DYNAMIC CHEM PROD.		
3	Quality Control Lab.	SINK - CONCENTRATES - HCLP	SANI	SANI
		RINSE - SAME.		
4	PAINT STORAGE ROOM	200-300 GAL PAINT	ND	ND.
		2X55gal. WASTE LACQUER THINNER.		
		1X55gal RAW LACQUER THINNER.		
		1X55gal. RAW MEK / 1X55gal. RAW	TRUCK.	

AIR POLLUTION SOURCES 1X55gal Methyl-Ethyl Butyl Ketone. 18-155:

NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE OF EMISSION
1	DEGREASER	FAN	1	CHLOROETHANE VG.	—	APPROX 15hrs	VAPOR
				40 GAL.			
2	VACUUM CADMIUM PLATING 3X	OIL FILTER	1	CAD PELLETS	—	BATCH	FUMES/
		DUST COLLECTOR			30 HRS/WK		DUST
		FROM CHAMBER PRIOR TO OPENING.					
3	LAB HOOD	FAN	1	—	—	—	VAPOR
4	Sand Blast 3 booths	BAG FILTER	1	Al_2O_3, GLASSBEADS.	—	8-15hrs.	DUST
5	OVEN DRYER	FAN	1	AFTER PLATING/PAINTING	—	20hrs/wk	VAPOR
6	SPRAY BOOTHS	FAN	2X	EPOXY, LACQUER, POLY-U.	—	15hrs/day	VAPOR
		FABRIC FILTER					

INDUSTRIAL WASTE PROCESS

PROCESS	CHEMICALS USED APPROXIMATE QUANTITY	DISCHARGE	DISCHARGE TO
Cooling Water Tank	8x5 cement tank	ND	ND.
" Other degreaser, vacuum chambers, chiller.		close-loop	
~~Polishing~~ Plating Floor			
~~[illegible]~~ ① HNO_3 Cleaning Tank	Fib. Glass 110.		ND
↓ Zinc Ate, Prep for Chrome	Steel 100 gal.		
↓ Alkaline Soap Cleaner	Steel 250 gal.		
Rinse tank	Steel 250 gal.	Floor	→ trench
NaCN Prep. Sol.	Plastic 100 gal.		HH
CN Rinse tank	Plastic Cylinder - 55 gal.	Treat waste	
Copper Plate tank	Steel 200 gal.	Replenish	

AIR POLLUTION SOURCES

PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE OF EMISSION
Polishing Room - 8x buffing wheels	~~[illegible]~~ baffle filter	1	buffing compounds	—	8 hrs.	Dust.

NO.	OC[redacted]	ROX[redacted]TE QUANTITY	DISCHARGE	TO
①	Boiler Room	COLUMBIA #2	BLOWDOWN	SUMP.
		TREATMENT FOR WATER.		
		CALAHN #252		
②	PLATING PIT → SUMP (below filter)	→ FABRIC FILTER → WASTE FABRIC →	TREATMENT	
		SLUDGE ← CLEAN FABRIC →	GARB	
		↳ LIQUID → DYNA/THERM		
		↓ HOLDING TANK		
		8'x5' CYLINDAR —	CEMENT/COATED.	
		WATER ↓ PUMP RINSE ON		
		SLUDGE PLATING FLOOR		
	Once/week Rinse cycle dumped	to 1500 gal. CAP Fiber Glass tank,		H+H
		treated, then back thru filter cycle.		
		Chlorine ($NaHCO_3$) + H_2SO_4		
		MacDermid 2R1-3-1 (For Chrome Area)		

AIR POLLUTION SOURCES

NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE EMISS
①	PLATING CURE-2K-	FAN	1	—	—	8-10 hrs/day	- AIR

NO.	PROCESS	CHEMICALS USED AND APPROXIMATE QUANTITY	DISCHARGE	[redacted]
(1)	Bright Nickel Plate	Steel 650 gal.	Replenish	
(2)	Decorative Chrome	Steel 650 gal.	Replenish	
(3)	DOW #17 - Magnesium Plate	Steel 650 gal.	Replenish	
(4)	DOW #17 - Nickel	Steel 200 gal.	Replenish	
(5)	Nickel Strike -	Plastic 100 gal.	Prep.	
(6)	Brass Plate.	Plas. 130 gal.	Replenish	
(7)	Sharp Water	10 % H_2SO_4	Treat.	

AIR POLLUTION SOURCES

NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE EMISS
(1)	Chrome Plate, Magnesium Plate DOW #17	FAN	1	above	—	20hrs/wk	Fume

NO.	[redacted]DCE[redacted]	[redacted]ROX[redacted]TE [redacted]ANTITY	[redacted]	[redacted] TO
(1)	Sulfamate Nickel Plate.	Plas. 350 gal.	Replenish	
(2)	Copper Strike	Plastic. 100 gal.	"	
(3)	High Current Density Cad. Tank.	650 gal. steel	"	
(4)	Brite Cadmium	650 gal. steel	"	
(5)	Rinse tank for Cad/Copper Cyanide	500 gal. steel →	Treatment	
(6)	Tri-Cadmium Plate.	700 gal. steel	Replenish.	
(7)	HCl / H2O 10% Clean/Prep Sol.	55 gal plastic	Hood.	
(8)	Tin Plate	350 gal steel.	Replenish.	
(9)	Copper Plate	450 gal steel	"	
(10)	Environe Clean Tank - mostly Cu.	400 gal. steel	Replenish /	Hot H
(11)	Copper Strip - mostly Cu.			
(12)	Part Rack Stripping - in future.			

AIR POLLUTION SOURCES

NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYP EMIS

NO.	PROCESS	[redacted] USED AND APPROXIMATE QUANTITY	[redacted] DISCHARGE	DISCHARG [redacted]
(1)	HNO_3 - Strip.	40 gal. plastic	Replenish	
(2)	Fluoride Cooling tank	350 gal. steel	"	→ Waste Stream H+H
(3)	Cyanide Cleaner	350 gal. plastic	Replenish	
(4)	Sulfuric Cleaner 60% H_2SO_4	200 gal. steel	"	
(5)	Bidoline - Alkaline Cleaner	200 gal. steel	"	
(6)	Hot Water Seal - Chromic Acid Anodize	600 gal. steel	Treatment	when Sy-
(7)	Chromic Acid Anodize	800 gal. steel	Replenish	
(8)	Al Black Dye	200 gal. steel	"	
(9)	Desmutter - Acid Sol.	600 gal. steel	"	
(10)	Di-Chromate Seal - Post Anodize	600 gal. steel	"	
(11)	Sulfuric Acid Anodize	Approx. 2000 gal. [redacted] lead lined	"	
(12)	NH.FL . pl=3	200 gal plastic		
(13)	DOW #7 - Chrome base	250 gal steel	Replenish	
(14)	DOW #7 - Chrome base. Cold Vapor Degreaser	Magnesium 200 gal steel.	"	

AIR POLLUTION SOURCES

NO.	PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE EMIS
(15)	Caustic Etch Aer Alt.	500 gal.	→	Replenish.			
(16)	H/X Spray Areas.						

PROCESS	CHEMICALS USED AND APPROXIMATE QUANTITY	DISCHARGE	DISCHARGE TO
Cadmium Strip - NH_4NO_3 - 30%	200 gal. steel.	Treatment	
Black Ox. - Coating	250 gal. steel	Replenish	
" " Rinse	350 gal. steel.	MAKE UP "BLACK OX.	
BOIL OFF TANK - ELECTROLESS NICKEL SOL.	70 gal. steel.	Treatment sewage	prior to
Mg PO_4 - ~~Paste~~ Etch	~~[illegible]~~ 300 gal. Steel.	Replenish.	
Electroless Nickel Plate	400 gal.	Replenish	Daily
Muriatic Acid - Strip/Clean 30%	200 gal. plastic	Treatment	
Plenoke Paint Strip.	250 gal. steel.	Replenish	
Alodyne Coating	300 gal. plastic	Replenish	WHEN SPENT
	500 gal. steel	Replenish	H&H
Oil Coating Machine	30 gal.	N.D.	
Chromic Strip -	250 gal. plastic	Treatment.	
Hot Water Seal	700 gal. ~~PB~~ Steel Dumped to	Treatment	Daily.

AIR POLLUTION SOURCES

PROCESS	CONTROL TYPE	EP'S	CHEMICALS OR PRODUCTS USED	AMOUNT CONSUM.	HOURS OF OPERA.	TYPE OF EMISSION
~~[illegible] Paint Strip booth~~						

CONTINUED: INSPECTORS OBSERVATIONS OR INTERVIEWS

Spradrau NY/D044469410
Kellerman NY D001641828
Graphic NY D004583837

Industrial Waste Scavenged

(1) 1/21/82 - Paint & Pigment Residue 1x55gal.

Kellerman -> Graphic Components - MANIFEST NO. NY116066 ?

(2) 02/18/82 - HAZ. LIQ. NOS. ORM A. 162gal - Pride Solvents NY D057722258

(3) 02/18/82 Kellerman Paint Co. to Graphic Components 1x55 gal drum Paint/Pigment Residue/Flam/Liquid.

(4) 3/11/82 Paint/Pigment Residue Kellerman to Graphic Comp. 1x55gal. Flam - Liquid

(5) 5/8/82 Paint/Pigment Residue - Kellerman to Graphic Corp. 1x55gal. Flam - Liquid.

(6) 5/13/82 Paint/Pigment Residue - 1x55gal. Flam./Liquid Kellerman to Graphic Comp.

(7) 06/03/82 Paint/Pigment Residue 1x55gal. Flam/Liquid Kellerman to Graphic Corp.

(8) 06/18/82 Waste Corrosive Liq. 2500 gal.

pick/up Patterson Chem. Co. NYT 3900100335

(9) 11/01/82 Paint + Pigment Residue 2x55gal., 110gal. Flam Liquid

Kellerman Paint Co -> Graphic Components.

(10) 7/22/82 " " " 1x55gal. "

SAA

(11) 9/16/82 " " SAA 2x55gal. - 110gal.

(12) 10/28/82 " " SAA. 2x55gal. - 110 gal.

10/9/81 Patterson NY152011-8 — 6/22/81 Patterson NY166033-3

HAZ. LIQ NOS - POISON 1500 GAL. — Haz. Liq NOS Poison 5000 GAL.

11/11/81 PLATING SLUDGE.

Patterson NY152027-1 5000 GAL.

12/21/81 Patterson NY153351-4 HAZ. LIQ NOS. POISON 2000 GAL.

Spectrum Finishing Corp. 4 MARCH 83
50 Dale St. W. Bab.

These locations at Spectrum Finishing Corp. should be addressed concerning compliance with Suffolk County Sanitary Code, Article 12.

~~(1) Cadmium / Vac. Plating Process / tufo filter elements, [illegible] oil concerned with process must have additional information concerning the characteristics (chemical) of these two possible waste generation sites.~~
THIS HAS BEEN EXPLAINED CONCERNING BAZ WBT. NO PROBLEM NEVER MIND - DC

(2) Drum Storage Area. a. contains approx. 13x55gal. drums of various plating chemicals, raw product.

b. 1x275gal. tank, containing raw chloroethane VG.

c. 2x55gal. drums, chloroethane VG, waste.

(3) Paint / Solvent Storage Room.

a. Approx. 200-300x 1gal. cans, paint, Epoxy - Lacquer - Poly U.

b. 2x55gal. drums, lacquer thinner, waste.

c. 1x55gal. drum, lacquer thinner, raw.

D. 1x55 gal. drum, methyl ethyl ketone, raw.

E. 1x55gal. drum, toluol, raw.

F. 1x55gal. drum, methyl iso butyl ketone, raw.

(4) Waste Treatment / Holding Room.

a. Cement/coated 8ft x 5ft. circular, plating rinse holding tank.

b. Fiberglass, 1500gal. cap. waste treatment / + holding tank.

(5) Plating Room.

a. In floor sump below fabric filter.

b. Entire plating area, contains approx. 18,200 gal. various plating solutions + rinses [illegible]

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
INDUSTRIAL WASTE AND HAZARDOUS MATERIALS CONTROL
15 HORSEBLOCK PLACE, FARMINGVILLE, N.Y. 11738
(516) 451-4633

OF ...TY	OWNER/ OFFICER		PAGE 1 OF
...NY Spectrum Finishing Corp.	CONTACT		TEL.
...SS Dale St.	VILLAGE W. BAB	TOWN BAB	ZIP
...NG ...SS			

... Jul 83	TIME 950	ORIG. PERIODIC (RE.)	WASTE	NO WASTE (H&H)	SEWAGE SYSTEM PUBLIC PRIVATE
...TRY					

...O P...MIT? YES NO PERMIT NO.	360 PERMIT? YES NO PERMIT NO.
...NGER	TEL.

...NG ...VE... YES NO	PICK UP RECORDS AVAILABLE YES NO	RECORDS CONSISTENT WITH EXPECTED WASTE GENERATION YES NO

...G SYSTEM-MFG NAME	FUEL TYPE	FIRING RATE
	WASTE BURNED	RATE

...ST...RAGE YES NO	NUMBER STORED INDOORS OUTDOORS	TYPE OF MATERIAL STORED WASTE RAW
...GE TANKS YES NO	NUMBER OF TANKS ABOVEGROUND UNDERGROUND	TYPE OF MATERIAL STORED WASTE RAW
...SS TANKS YES NO	NUMBER OF OPEN PROCESS TANKS	ANY ART. XII VIOLATIONS YES NO

Removed sample from puddle of water between
Spectrum + adjacent bldg. South side.
Observed running water on grounds.
Observed intermittent discharge of water to grd
thru 1" galvanized pipe.
Spoke to maintenance man and was told that
it is ~~boiler~~ boiler blowdown.

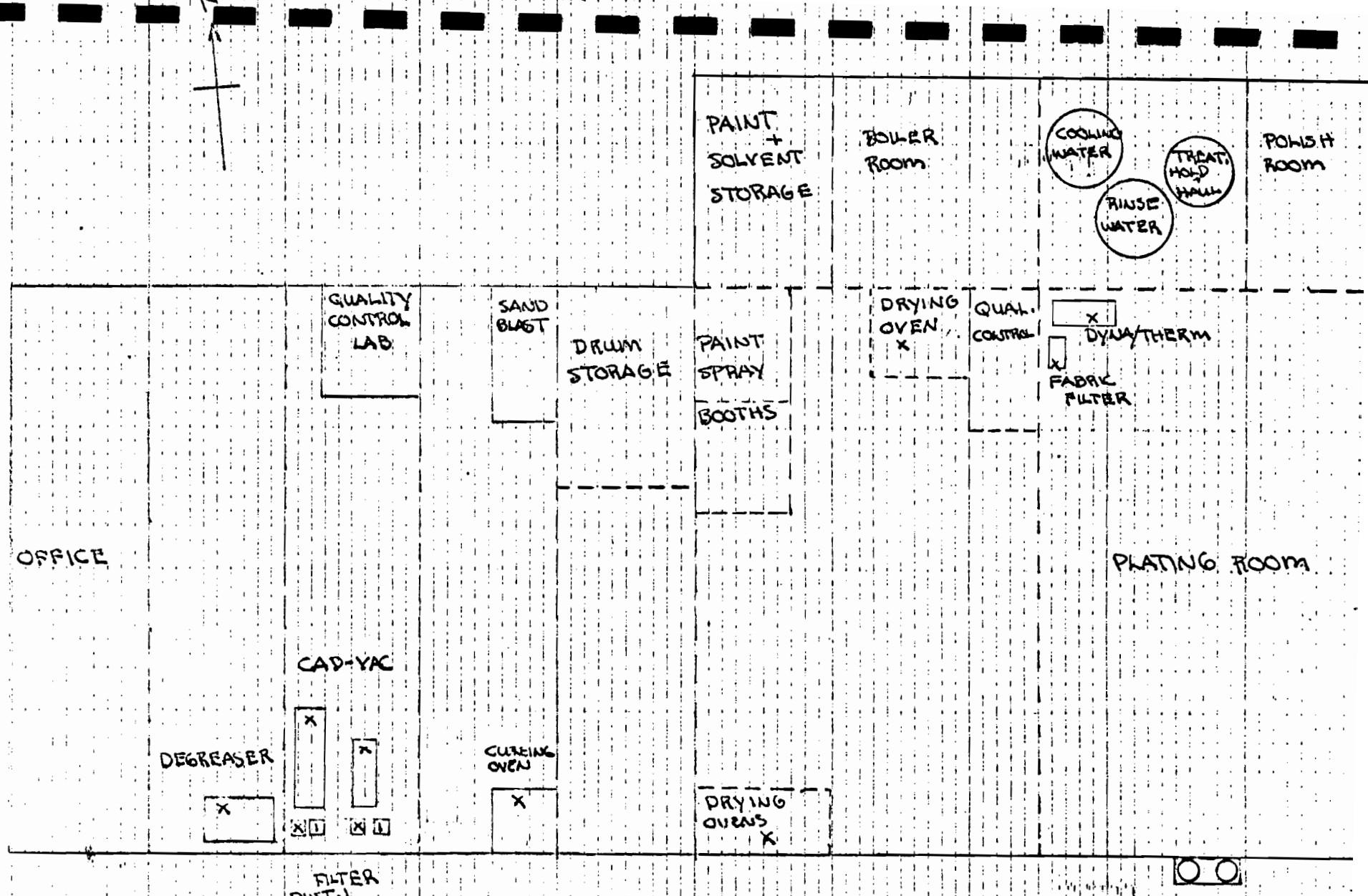
...SSION IS GRANTED BY THIS FACILITY TO THE SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES TO CONDUCT ROUTINE SAMPLING OF ...OO...S, STORMDRAINS, AND OTHER DISCHARGE POINTS AT THE FACILITY.

...TION SCHEDULED ON OR AFTER ________. FAILURE TO CORRECT UNSATISFACTORY CONDITIONS BY REINSPECTION DATE MAY ...LT IN A HEARING AND/OR FINE.

DAVID ORICO

...C...ERSON ...RT	TITLE	INSPECTOR [signature]

...7/52 5/81 TJK



Spectrum Finishing
50 Palesj. WI BAB

APPENDIX C

APPENDIX C
UPDATED NEW YORK STATE REGISTRY FORM

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

Code:

Site Code: 152029

Name of Site: Spectrum Finishing Corp. Region: 1

County: Suffolk Town/City W. Babylon

Street Address 50 Dale Street

Status of Site Narrative:

As of 7/83 the site is an active electroplating facility. It consists of a building, floor collection pit, inside drum storage, inside tanks, outside drum storage, underground leaching tanks, above ground tanks and a storm drain. It is located in an industrial park area with the majority of the area paved.

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

Estimated Size 0.5 Acres

Hazardous Wastes Disposed? Confirmed ☑ Suspected ☐

*Type and Quantity of Hazardous Wastes:

TYPE	QUANTITY (Pounds, drums, tons, gallons)
Heavy metals: cadmium, chromium, copper,	11,000 gallons total
iron, nickel, zinc,	
toluene 2-Butanane	

* Use additional sheets if more space is needed.

Name of Current Owner of Site: William DeChirico, Vice President

Address of Current Owner of Site: 50 Dale Street, W. Babylon, NY

Time Period Site Was Used for Hazardous Waste Disposal:

, 19 68 **To** present , 19

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

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

Remedial Action: **Proposed** [ ] **Under Design** [ ]
In Progress [X] **Completed** [ ]
Nature of Action: Filling in of storm drain. Piping of discharge to other drains

Status of Legal Action: consent order **State** [X] **Federal** [ ]

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

Assessment of Environmental Problems:

Potential exists for contamination of vicinity ground water through drainage of leaking outside tanks and overflow of inside sump into storm drain. Heavy metals found in storm drain.

Assessment of Health Problems:

Possible down gradient contamination of public water supplies.

Persons Completing this Form:

Michael Akerbergs

Woodward-Clyde Consultants

8/8/83

New York State Department of Environmental Conservation

Date

New York State Department of Health

6/3/81
RPM:cl