SDMS Document
94603

Lower Passaic River Study Area

PRP DISCHARGE CASES FOR THE LOWER PASSAIC RIVER STUDY AREA

INVESTIGATION OF THE FOUNDRY STREET COMPLEX PRPS NEWARK, NEW JERSEY

VOLUME II OF II

EVIDENCE CONCERNING:
CRODA INC./HUMMEL LANOLIN CORPORATION (CONTINUED)
C W C INDUSTRIES, INCORPORATED
FOUNDRY STREET CORPORATION
GRIGNARD COMPANY
HONIG CHEMICAL AND PROCESSING CORPORATION
HUMMEL CROTON, INCORPORATED
NORPAK CORPORATION

EXHIBITS # 54 – 86

PREPARED FOR:
LOWER PASSAIC RIVER STUDY AREA
COOPERATING PARTIES GROUP

SUBMITTED TO:
USEPA REGION II

MARCH 23, 2006

946030001

VOLUME II
INDEX OF EVIDENCE

Tab No.	Year	Day and Month	Description
54	2002	4-Jun	NJDEP Waste Manifests Printout for 1/1/1980 to 12/31/1994. Hummel Lanolin.
55	1988	11-Apr	NJDEP Field Investigation Assignment Report Hummel Lanolin.
56	1978	15-Aug	Heavy Metals Source Determination Appendix A Industrial Waste Surveys Part A Volume 3. For Croda Inc./Hummel Lanolin.
57	2006	31-Jan	Dun & Bradstreet Comprehensive Report re: CWC Inc.
58	2006	31-Jan	Custom Foils Company. Online information concerning Custom Foils Division of CWC.

VOLUME II
INDEX OF EVIDENCE (CONTINUED)

Tab No.	Year	Day and Month	Description
59	1989	23-Oct	EPA Notification of Hazardous Waste Activity. CWC Industries.
60	1996	30-Apr	EPA Request for Information - CWC Industries Inc.
61	1996	28-May	CWC Industries response to EPA Request for Information.
62	2006	22-Feb	NJ Business Entity Status Report - Foundry Street Corp.
63	2006	31-Jan	Dun & Bradstreet Comprehensive Report re: Grignard Co. LLC.
64	1980	18-Aug	EPA Notification of Hazardous Waste Activity re: Grignard Chemicals.
65	2006	8-Feb	Dun & Bradstreet Comprehensive report re: Honig Chemical.
66	2006	8-Feb	Dun & Bradstreet Comprehensive report re: Hummel Croton.
67	2006	22-Feb	NJ State Business Gateway Service - Hummel Chemical.
68	2006	22-Feb	NJ State Business Gateway Service - Hummel Croton.
69	2006	3-Mar	Hummel Croton Inc. Online information concerning current Hummel Croton operations.
70	1987		EPA Hazardous Waste Site Preliminary Assessment for Hummel Chemical.
71	1989	December	Hummel Chemical Narrative. General Information, Site History, Operations and Contamination.
72	1994		EPA Request for Information - Hummel Croton Inc.
73	1994	25-Jan	Hummel Croton response to EPA Request for Information.
74	1994	2-Sep	Final Site Inspection Prioritization report for Hummel Chemical by Roy F. Weston.
75	Undated		City of Newark Dept. of Public Works - Map of Passaic River Study Area. Annotated with discharge route.
76	1990	24-Feb	PR newswire article entitled "EPA Starts Superfund Action at Chemical Site in Newark, N. J."
77	1990	5-Nov	EPA Notification of Hazardous Waste Activity re: Conus Chemical.
78	1991	19-Jun	NJDEP fax report concerning non-hazardous waste manifest for Norpak.
79	1991	1-Aug	NJDEP RCRA Inspection Tracking form for Norpak.
80	1993	30-Aug	Letter from Pozio Bromberg & Newman, counsel for Norpak concerning Norpak/Avon Drum.

VOLUME II
INDEX OF EVIDENCE (CONTINUED)

Tab No.	Year	Day and Month	Description
81	1996	30-Apr	USEPA Request For Information to Avon Drum.
82	Undated		City of Newark Dept. of Public Works - Map of Passaic River Study Area. Annotated with discharge route.
83	1996	31-May	Handwritten response of Avon Drum to USEPA Request for Information.
84	Undated		City of Newark Dept. of Public Works - Map of Passaic River Study Area. Annotated with discharge route.
85	2006	31-Jan	Dun & Bradstreet Comprehensive Report re: Norpak Corp.
86	2006	31-Jan	Dun & Bradstreet Comprehensive Report re: Avon Drum.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

WASTE MANIFESTS FROM 01/01/80 TO 12/31/94
FROM GENERATOR NJD002175016 TO SPECIFIED TSDF'S

GENERATOR	TSDF	MANIFEST	DATE SHIPPED	WASTE CODE	WASTE NAME	QUANTITY
HUMMEL LANOLIN CORP 185 FOUNDRY ST NEWARK , NJ NJD002175016	CHEMMET SERVICES INC 18550 ALLEN RD WYANDOTTE , MI MID096963194	MI00702128	11/04/85	X900	CHEMICAL PROCESS-LIQUID,NOS	4070 G
	CLEAN EARTH OF NORTH JERSEY 105 JACOBUS AVE S KEARNY , NJ NJD991291105	NJA0293472	05/21/87	X910	CHEMICAL PROCESS-SOLID,NOS	20 CY
		NJA0359060	10/21/87	D001	CHARACTERISTIC OF IGNITABILITY	4390 G
		NJA0534903	12/05/88	C433	TOLUENE	600 P
	SPECTRON INCORPORATED 111 PROVIDENCE ROAD ELKTON , MD MDD000218008	MDC0092751	05/01/86	D001	CHARACTERISTIC OF IGNITABILITY	55 G
				D001	CHARACTERISTIC OF IGNITABILITY	55 G
				D001	CHARACTERISTIC OF IGNITABILITY	165 G
				D001	CHARACTERISTIC OF IGNITABILITY	55 G

5 WORK FILE RECORDS READ
8 LINE ITEMS RECORDS READ

Close Files

DEQ-062
1/88

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
BUREAU OF ENFORCEMENT OPERATIONS

FIELD INVESTIGATION ASSIGNMENT REPORT

PLANT ID #	INSPECTOR ASSIGNED
05340	080

DATE ASSIGNED	DATE DUE
04-11-88	-11-88
DATE COMPLETED	COUNTY
4/29/88	ESS

COMPANY NAME Hummel Lanolin Corp

LOCATION Newark

CDS CLASS: A1 ___ A2 ___ B N NSPS ___ NESHAPS ___ PSD ___

AIR GRANT (105): ☐ Yes ☐ No PLLT: PT ___ S2 ___ CO ___ N2 ___ VO ___ Other ___

TYPE OF ASSIGNMENT
☐ Complaint ☒ APEDS
☐ Order Followup
☐ Other (by code) ___

CYCLE: 8

COMPLAINANT NAME ___ PHONE # ___

COMPLAINANT ADDRESS ___

DATE RECEIVED ___ TIME RECEIVED ___ RECORDED BY ___

ASSIGNMENT ___

PLANT CONTACT No responsible

TITLE person contacted

ARRIVAL TIME AT PLANT 10.00

TOTAL ASSIGNMENT TIME 48

STACKS INSPECTED ___ TEMPS ___

TOTAL SOURCES INSPECTED ___

Q-012 COMPLETED FOR SUBCHAPTERS ___

SUBCHAPTER	# INSP
8	1
OTHER	

COMPLAINT	TYPE	NUMBER

Time/Date at Complainant ___ / ___

Verified: ☐ Yes ☐ No

Give details below

VIOLATION FOLLOWUP INSPECTION

Violation Log # ___

Order Dated ___

Subchapter Violated ___

Compliance Achieved ☐ Yes ☐ No

Give details below

TYPE SAMPLE COLLECTED ___

OF SAMPLES COLLECTED ___

COMMENTS (by code) ___

DETAILS OF INSPECTION

Plant closed, no responsible person contacted, pers. conversation with the people working in the area it was learned that Hummel Lanolin Corp had moved to Edison.

Plant Closed

Recommendation — Closed File VEM-001 Submitted

INSPECTOR'S SIGNATURE [signature]

TITLE: Prin. Envt'l Eng.

SUPERVISOR'S REVIEW

INITIALS: MIT DATE: 05-06-88

SEE ATTACHED FOR ADDITIONAL INFORMATION: ☐ YES ☐ NO

946030008

PASSAIC VALLEY SEWERAGE COMMISSION
NEWARK, NEW JERSEY

HEAVY METALS SOURCE DETERMINATION STUDY

IN COMPLIANCE WITH OCEAN DUMPING PERMIT
No. I NJ003 INTERIM, SECTION 9(c)

APPENDIX A

INDUSTRIAL WASTE SURVEYS

Part A - Industrial Site Interviews
Volume 3

August 15, 1978

Elson T. Killam Associates, Inc.
Environmental and Hydraulic Engineers

946030010

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Date: 8/30/78 Interviewed by: Standfast & Pullizzi

PVSC Industry # ~~N-1285~~

Industrial Wastewater Questionnaire Part A

"attach business card"

1) Industry Name Croda, Inc., Hummel Lanolin Corporation

2) Address 185 (No.) Foundry Street (Street) Newark (Municipality)

3) Responsible Person to whom further inquiries should be directed:

Mr. Patel (Name) Plant Engineer (Title) 589-3497 (Telephone)

4) Type of Industry Lanolin Manufacturer

5) Primary S.I.C. number, if available 2899
(4 Digit Code from 1976 standard industrial classification manual)

6) Principle Raw Materials(s) used Wool Grease

7) Principle Product(s) produced Lanolin

8) Hours per day manufacturing operations are conducted 9

Days per week manufacturing operations are conducted 5.5

Process Discharge Frequency (circle one) Continuous Intermittant #/of Batches/Day 2
Times of Day Afternoon/Morning

9) Number of employees at this location 19

10) Indicate plant water consumption figures in gallons or cubic feet during the most recent calender quarter. If you obtain water from a privately owned well and do not meter your consumption from this source, indicate the capacity of the well pump(s) in gallons per minute and the approximate daily running time(s) in hours per day.

946030011

Industrial Wastewater

Questionnaire

Part A

Continued

City or Public Supply	Private Well Supply
2,135,540 Gallons/Quarter	_____ Gallons/Quarter
285,500 Cubic Feet/Quarter	_____ Cubic Feet/Quarter
Newark Name of City or Public Supply	_____ Well Pump(s) Gal/Min.
	_____ Pump Running time(s) Hrs/Day

32 % of Water Used in Actual Process

35 % of Water Discharged From Process

30 % of Water Discharged as Non-Contact Cooling Water

2 % of Water Discharged From Sanitary Conveniences

Indicate Location of Water Meter:

Inside Main Building

946030012

Industrial Wastewater

Questionnaire

Part B

1) Number of metal contributing discharge points to municipal sewer: 1

2) Check off which of the below is in each metal discharge point:

Line A		Line B		Line C	
Any detectable gas	____	Any detectable gas	____	Any detectable gas	____
Process	X	Process	____	Process	____
N.C. Cooling	X	N.C. Cooling	____	N.C. Cooling	____
Sanitary	-	Sanitary	____	Sanitary	____
Storm	-	Storm	____	Storm	____

3) Illustrate the processing areas, the eminating discharge sanitary line(s) carrying the metals contaminated wastewater, the location of the proposed sampling manhole, any upstream manhole, and the receiving municipal sewer. Label each metal process sanitary line A,B,C,.... Indicate landmarks. If sampling or flow measuring device already exists, indicate so. Attach any existing schematics of sanitary layout provided by the company.

946030013

946030014

4) Describe each manhole or sampling location in detail. (Label A,B,C,...)

LETTER __A__ See Page 9

MANHOLE:

(circular) surface Ø _____

inside length _____ (parallel with pipe)

inside width _____

entire depth _____

junction manhole yes____ no____ # of in pipes _____

PIPES:

in pipe Ø _____ % full _____

out pipe Ø_____ % full _____

water depth in pipe _____

surcharged yes ____ no____

CHANNEL:

water depth _____ benched yes ____ no____

water depth range_____

water velocity _____ turburlence yes _____ no _____

super critical velocity yes_____ no _____

roll in front of stake ____ roll behind stake ____

channel configuration straight _____ curved _____ sloped _____

instantaneous flow _____ drop _____

SAMPLING:

can be harnessed in MH _____ placed in MH _____

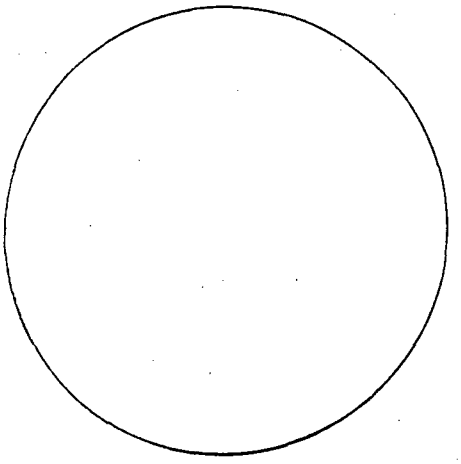
or placed outside MH _____

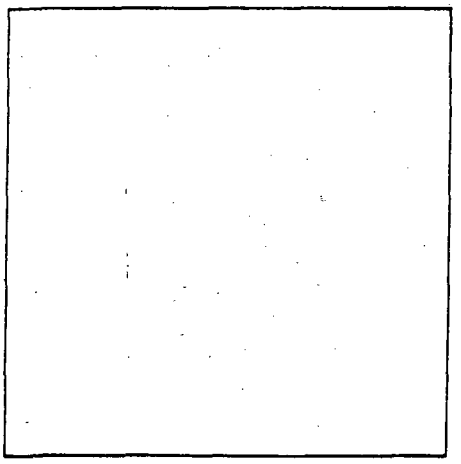
(vandalism problem yes___ no___)

946030015

5) Sketch each manhole or sampling location in detail. Attach photograph (Label A,B,C,.....).

LETTER____





TO BE COMPLETED IN OFFICE

6) Final recommendations for flow measurement & sampling.

	Sampling Line		
	A	B	C
SAMPLING:			
Automatic	___	___	___
Manual	X	___	___
FLOW MEASUREMENT:			
Automatic			
Depth of flow in in-pipe,veloc/cur. meter, dipper method	___	___	___
Depth of flow in in-pipe, veloc/dye, dipper method (shallow flows)	___	___	___
Depth of flow in in-pipe, slope to upstream MH, rough, dipper method	___	___	___
90° v-notch weir in out-pipe, dipper method	___	___	___
Insert flume in out-pipe, dipper method	___	___	___
Inflatable flume in in-pipe, dipper method (up to 8"Ø)	___	___	___
Weir-box w/inflatable tube, dipper method	___	___	___
Up & downstream depths of flow in mun. coll/syst., slope, rough, dipper method	___	___	___
Manual			
Bucket & stop-watch (elevated sewers w/smaller flows)	___	___	___
Trajectory method (elevated sewers) carpenters square	___	___	___
Depth of flow in in-pipe, weir method	___	___	___
Water meter readings	___	___	___

Batches dumped morning and afternoon. Take grab samples and proportion according to the amount of water in Batch Tank. Flakker runs continuously @ 50 g/min.

946030017

TO BE COMPLETED IN OFFICE

7) Recommendations for sampling and flow measurement, including equipment and special devices required (A,B,C,...). Check if required and size.

	A	B	C
AUTOMATIC			
Samplers	___	___	___
Harness	___	___	___
Current Meter (velocity)	___	___	___
Dye & Watch	___	___	___
Dippers	___	___	___
Rod & Transit	___	___	___
Flumes	___	___	___
Insert	___	___	___
Inflatable	___	___	___
4"	___	___	___
6"	___	___	___
8"	___	___	___
10"	___	___	___
12"	___	___	___
15"	___	___	___
Weirs v-notch (90°)	___	___	___
4"	___	___	___
6"	___	___	___
8"	___	___	___
10"	___	___	___
12"	___	___	___
15"	___	___	___
Weir Box (inflatable)	___	___	___
Packing	___	___	___
Blocks	___	___	___
Sand Bags	___	___	___
Caulking	___	___	___
MANUAL			
Bottles	X	___	___
Bucket & watch	___	___	___
Weirs (v-notch 90°)	___	___	___
4"	___	___	___
6"	___	___	___
8"	___	___	___
10"	___	___	___
12"	___	___	___
15"	___	___	___
Carpenter's square with level	___	___	___

NOTES:

TO BE COMPLETED IN OFFICE

8) Miscellaneous notes and recommendations (i.e., manhole construction recommended, must be monitored during dry weather, equipment suggestions, etc.)

Sampling should be done manually. Flakker water flows at a rate of 60 gal/min. One or two batches are dumped in morning and afternoon volume of water is known so samples may be composited accordingly.

Industrial Wastewater

Questionnaire

Part C

1) Do you pretreat any wastewater before discharging to the sanitary sewer?

No

If the answer is "yes", briefly describe pretreatment method(s), what specific parameter pretreatment is utilized for, and how is residue generated by pretreatment disposed.

2) The following tests will be performed by PVSC at a later date on a series of 24 hour flow proportioned composite samples collected over a period of two (2) consecutive production days. Samples shall be collected from each individual waste sewer leaving your plant which is connected directly to the municipal PVSC sanitary sewer system.

Previous Measurements of Flow and Metals (if available)

Analysis	A	B	C
Daily Flow (Gal/Day)	20,400		
Chromium (mg/l)	<.02		
Cadmium (mg/l)	<.02		
Copper (mg/l)			
Lead (mg/l)	.2		
Nickel (mg/l)			
Zinc (mg/l)			
Mercury (mg/l)	<.0002		
Arsenic (mg/l)			
Vanadium (mg/l)			
Selenium (mg/l)			
Beryllium (mg/l)			

946030020

Decide with Confidence

Comprehensive Report

To save report(s) to your PC, click here for instructions.

Print this Report

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

ATTN: **EE_LPRSA7**

Report Printed: JAN 31 2006

Overview

BUSINESS SUMMARY

C W C INDUSTRIES, INC
CUSTOM FOILS
185 Foundry St
Newark, NJ 07105

D&B D-U-N-S Number: 06-751-3994

Now Included with this Report NEW!

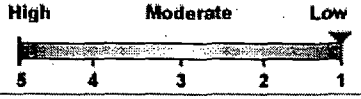
D&B's Credit Limit Recommendation
How much credit should you extend?
Learn More — **View Now**

Payment Trends Profile
Payment trends and industry benchmarks
Jump to Payment Trends

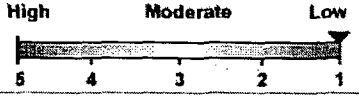
This is a **single** location.

Telephone:	973 344-1434
Fax:	973 589-1617
Chief executive:	PETER CHAN, PRESIDENT
Year started:	1969
Employs:	15
History:	CLEAR
SIC:	3497
Line of business:	Mfg hot stamping foils

Credit Score Class: 1
Low risk of severe payment delinquency over next 12 months



Financial Stress Class: 1
Low risk of severe financial stress over the next 12 months



946030022

12-Month D&B PAYDEX®: 80

When weighted by dollar amount, payments to suppliers average generally within terms.

D&B Rating:	**1R2**
Number of employees:	1R is **10 or more** employees.
Composite credit appraisal:	2 is **good**.

D&B EXCLUSIVE

EXECUTIVE SUMMARY

The **Financial Stress Class of 1** for this company shows that during the previous year, firms with this classification had a failure rate of 0.49% (49 per 10,000), which is lower than the national average.

The **Credit Score class of 1** for this company shows that during the previous year, 2.3% of the firms with this classification paid one or more bills severely delinquent, which is lower than the national average.

Predictive Scores	This Business	Comments
Financial Stress Class	1	Failure Rate lower than the national average
Financial Stress Score	1555	Highest Risk: 1,001; Lowest Risk: 1,850
Credit Score Class	1	Probability of Severely Delinquent Payment is lower than the national average

Other Key Indicators		
PAYDEX Scores	generally within terms	Pays more promptly than the average for its industry of 8 days beyond terms
Industry Median	8 days beyond terms	
Present management control	37 years	
UCC Filings	UCC filing(s) are not reported for this business	
Public Filings	No record of open Suit(s), Lien(s), or Judgment(s) in the D&B database	
History	Is clear	

CREDIT CAPACITY SUMMARY

D&B Rating:	**1R2**
Number of employees:	1R indicates **10 or more** employees.

946030023

Composite credit appraisal: 2 is **good**.

The 1R and 2R ratings categories reflect company size based on the total number of employees for the business. They are assigned to business files that do not contain a current financial statement. In 1R and 2R Ratings, the 2, 3, or 4 creditworthiness indicator is based on analysis by D&B of public filings, trade payments, business age and other important factors. 2 is the highest Composite Credit Appraisal a company not supplying D&B with current financial information can receive. For more information, see the D&B Rating Key.

# of Employees Total:	15	**Payment Activity:** (based on 13 experiences)	
As of 12/31/98			
Working Capital:	$353,288	**Average High Credit:**	$2,579
		Highest Credit:	$15,000
		Total Highest Credit:	$33,450

Jump to:

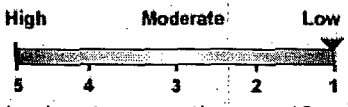
Overview | Payments | Public Filings | History & Operations | Banking & Finance

Scores D&B EXCLUSIVE

FINANCIAL STRESS SUMMARY

The Financial Stress Summary Model predicts the likelihood of a firm ceasing business without paying all creditors in full, or reorganization or obtaining relief from creditors under state/federal law over the next 12 months. Scores were calculated using a statistically valid model derived from D&B's extensive data files.

Financial Stress Class: 1



Low risk of severe financial stress, such as a bankruptcy, over the next 12 months.

Incidence of Financial Stress

Among Businesses with this Classification:	0.49% (49 per 10,000)
National Average	1.40% (140 per 10,000)

Financial Stress National Percentile: 98 (Highest Risk: 1; Lowest Risk: 100)

Financial Stress Score: 1555 (Highest Risk: 1,001; Lowest Risk: 1,850)

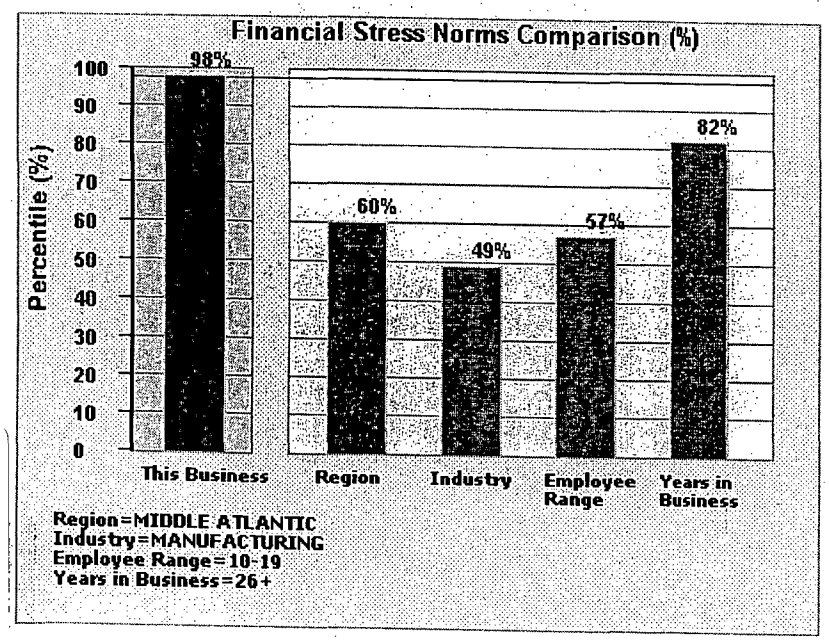
The Financial Stress Class of this business is based on the following factors:

946030024

- No record of open suit(s), lien(s), or judgement(s) in the D&B files.
- Control age or date entered in D&B files indicates lower risk.
- Business owns facilities.
- 8% of trade experiences indicate slow payment(s) are present.

Notes:

- The Financial Stress Class indicates that this firm shares some of the same business and financial characteristics of other companies with this classification. It does not mean the firm will necessarily experience financial stress.
- The Incidence of Financial Stress shows the percentage of firms in a given Class that discontinued operations over the past year with loss to creditors. The Incidence of Financial Stress - National Average represents the national failure rate and is provided for comparative purposes.
- The Financial Stress National Percentile reflects the relative ranking of a company among all scorable companies in D&B's file.
- The Financial Stress Score offers a more precise measure of the level of risk than the Class and Percentile. It is especially helpful to customers using a scorecard approach to determining overall business performance.
- All Financial Stress Class, Percentile, Score and Incidence statistics are based on 2002.



Norms	National %
This Business	98
Region: **MIDDLE ATLANTIC**	60
Industry: **MANUFACTURING**	49
Employee Range: **10-19**	57
Years in Business: **26+**	82

This business has a Financial Stress Percentile that shows:

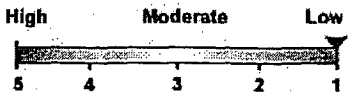
- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Lower risk than other companies with a comparable number of years in business.

946030025

CREDIT SCORE CLASS SUMMARY

The Credit Score class predicts the likelihood of a firm paying in a severely delinquent manner (90+ Days Past Terms) over the next twelve months. It was calculated using statistically valid models and the most recent payment information in D&B's files.

Credit Score Class: 1



Low risk of severe payment delinquency over next 12 months.

Incidence of Delinquent Payment

Among Companies with this Classification: 2.30%

Credit Score Percentile: 97 (Highest Risk: 1; Lowest Risk: 100)

The Credit Score Class of this business is based on the following factors:

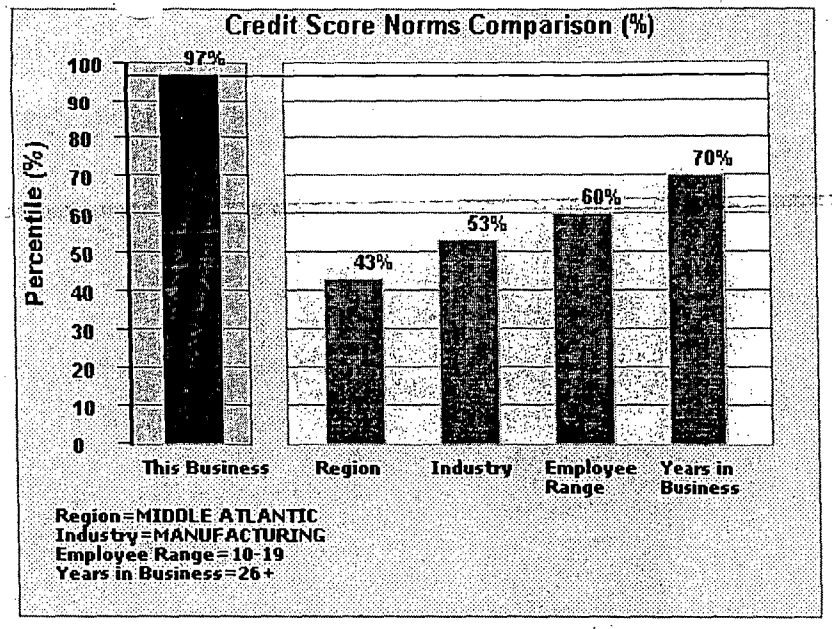
- Control age or date entered in D&B files indicates lower risk.
- No record of open suit(s), lien(s), or judgments(s) in the D&B files.

Notes:

- The Incidence of Delinquent Payment is the percentage of companies with this classification that were reported 90 days past due or more by creditors. The calculation of this value is based on an inquiry weighted sample.
- The Percentile ranks this firm relative to other businesses. For example, a firm in the 80th percentile has a lower risk of paying in a severely delinquent manner than 79% of all scorable companies in D&B's files.

Norms	National %
This Business	97
Region: **MIDDLE ATLANTIC**	43
Industry: **MANUFACTURING**	53
Employee Range: **10-19**	60
Years in Business:	70

946030026



26+

This business has a Credit Score Percentile that shows:

- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Lower risk than other companies with a comparable number of years in business.

Jump to:

Overview | Scores | Public Filings | History & Operations | Banking & Finance

Payments ☑ D&B EXCLUSIVE

PAYMENT TRENDS

Total Payment Experiences in D&B's File:	13	**Current PAYDEX is:**	**80**	equal to generally within terms
Payments Within Terms: (not dollar weighted)	96%	**Industry Median is:**	**75**	equal to 8 days beyond terms
Total Placed For Collection:	0	**Payment Trend currently is:**	↔	**unchanged**, compared to payments three
Average Highest Credit:	$2,579			

946030027

Largest High Credit:	$15,000
Highest Now Owing:	$15,000
Highest Past Due:	$0

months ago

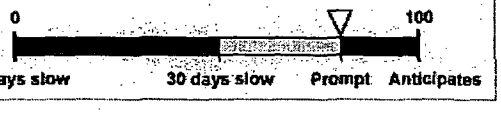
Indications of slowness can be the result of dispute over merchandise, skipped invoices, etc. Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed.

PAYDEX Scores

Shows the D&B PAYDEX scores as calculated on the most recent 3 months and 12 months of payment experiences.

The D&B PAYDEX is a unique, dollar weighted indicator of payment performance based on up to payment experiences as reported to D&B by trade references. A detailed explanation of how to read and interpret PAYDEX scores can be found at the end of this report.

3-Month D&B PAYDEX: 80
When weighted by dollar amount, payments to suppliers average within terms.



Based on payments collected over last 3 months.

12-Month D&B PAYDEX: 80
When weighted by dollar amount, payments to suppliers average generally within terms.

Based on payments collected over last 12 months.

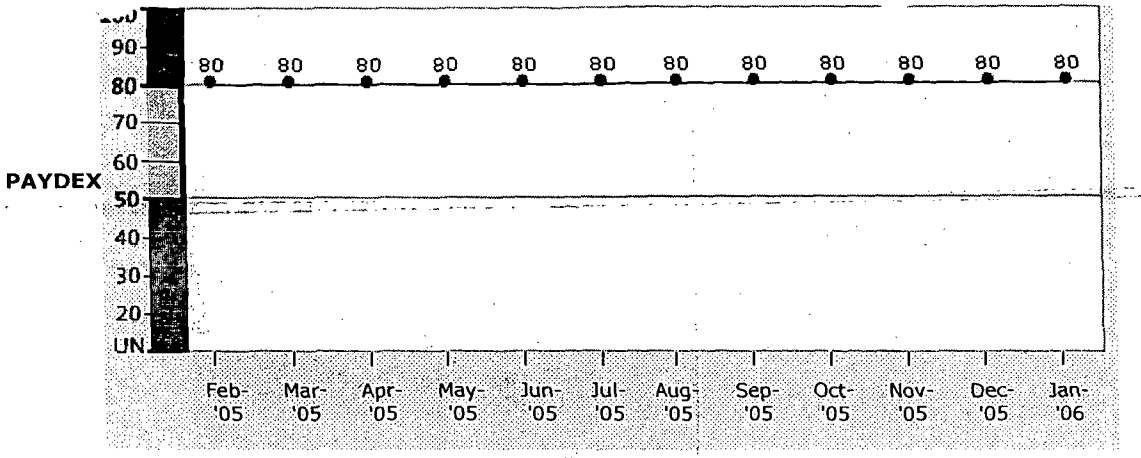
PAYDEX Yearly Trend

12 Month PAYDEX Scores Comparison to Industry

	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06
This Business	80	80	80	80	80	80	80	80	80	80	80	80
Industry Quartiles												
Upper		79			80			79			79	
Median		75			75			75			75	
Lower		65			65			66			67	

Shows the trend in D&B PAYDEX scoring over the past 12 months.

946030028



Last 12 Months

Based on payments collected over the last 12 months.

- Current PAYDEX for this Business is 80, or equal to generally within terms
- The 12-month high is **80**, or equal to generally within terms
- The 12-month low is **80**, or equal to generally within terms

PAYDEX Comparison to Industry

Shows PAYDEX scores of this Business compared to the Primary Industry from each of the last four quarters. The Primary Industry is Mfg hot stamping foils, based on SIC code 3497.

Quarterly PAYDEX Scores Comparison to Industry

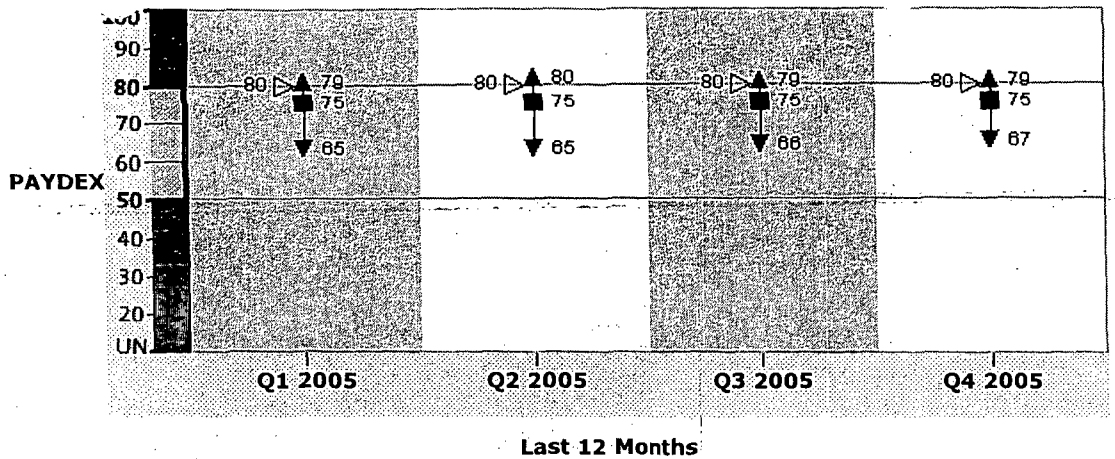
Previous Year

	3/04	6/04	9/04	12/04
This Business	79	79	79	79
Industry Quartiles				
Upper	79	79	79	79
Median	75	75	75	74
Lower	65	65	65	65

Current Year

	3/05	6/05	9/05	12/05
This Business	80	80	80	80
Industry Quartiles				
Upper	79	80	79	79
Median	75	75	75	75
Lower	65	65	66	67

9460300029



Based on payments collected over the last 4 quarters.

Score Comparison Key:	▷ This Business	▲ Industry upper quartile
		■ Industry median
		▼ Industry lower quartile

- Current **PAYDEX** for this Business is **80**, or equal to generally within terms
- The present industry **median score** is **75**, or equal to 8 days beyond terms.

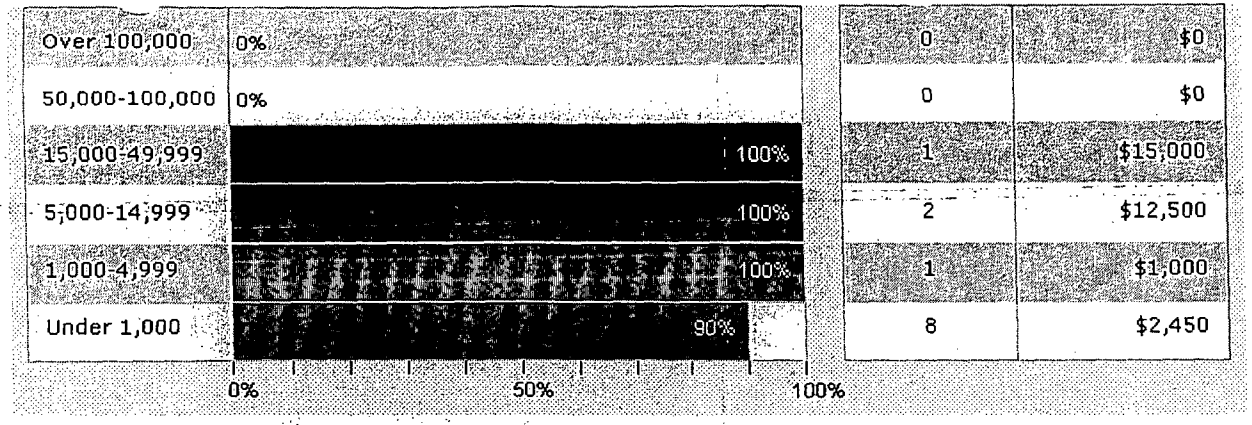
- Industry upper quartile represents the performance of the payers in the 75th percentile
- Industry lower quartile represents the performance of the payers in the 25th percentile

Payment Habits

For all payment experiences within a given amount of credit extended, shows the percent that this Business paid within terms. Provides number of experiences used to calculate the percentage, and the total dollar value of the credit extended.

$ Credit Extended	% of Payments Within Terms	# Payment Experiences	$ Total Dollar Amount

946030030



Based on payments collected over the last 12 months.

Payment experiences reflect how bills are met in relation to the terms granted. In some instances, payment beyond terms can be the result of disputes over merchandise, skipped invoices, etc.

PAYMENT SUMMARY

The Payment Summary section reflects payment information in D&B's file as of the date of this report.

There are 13 payment experiences in D&B's file for the most recent 12 months, with 10 experiences reported during the last three month period.

Below is an overview of the company's dollar-weighted payments, segmented by its suppliers' primary industries:

	Total Rcv'd (#)	Total Dollar Amts ($)	Largest High Credit ($)	Within Terms (%)	Days Slow <31 (%)	31-60 (%)	61-90 (%)	90> (%)
Top industries:								
Trucking non-local	3	1,250	500	80	20	0	0	0
Telephone communictns	2	550	500	100	0	0	0	0
Whol durable goods	2	150	100	100	0	0	0	0
Nonclassified	1	15,000	15,000	100	0	0	0	0
Mfg inorganic pigment	1	7,500	7,500	100	0	0	0	0
Mfg organic chemicals	1	5,000	5,000	100	0	0	0	0
Whol electrical equip	1	1,000	1,000	100	0	0	0	0
Ret mail-order house	1	500	500	100	0	0	0	0
Other payment categories:								
Cash experiences	0	0	0					
Payment record unknown	1	2,500	2,500					
Unfavorable comments	0	0	0					

946030031

Placed for collections:

With D&B	0	0	0
Other	0	N/A	0
Total in D&B's file	13		15,000

The highest **Now Owes** on file is $15,000 The highest **Past Due** on file is $0

Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed. Indications of slowness can be result of dispute over merchandise, skipped invoices, etc.

PAYMENT DETAILS

Detailed payment history

Date Reported (mm/yy)	Paying Record	High Credit ($)	Now Owes ($)	Past Due ($)	Selling Terms	Last Sale Within (months)
12/05	Ppt	15,000	15,000	0		1 mo
	Ppt	1,000	0	0	N30	1 mo
	Ppt	500	100	0		1 mo
	Ppt	500	0	0	N30	2-3 mos
	Ppt	500	0	0	N15	6-12 mos
	Ppt	250	0	0	N15	1 mo
	Ppt	100	0	0		4-5 mos
	Ppt	50	0	0		2-3 mos
	Ppt	50	0	0		6-12 mos
	Ppt-Slow 30	500	100	0		1 mo
10/05	Ppt	7,500	0	0	N30	6-12 mos
07/05	Ppt	5,000	0	0		6-12 mos
05/05	(013)	2,500	2,500	0	N30	1 mo

Each experience shown is from a separate supplier. Updated trade experiences replace those previously reported.

Jump to:

Overview | Scores | Payments | History & Operations | Banking & Finance

Public Filings

PUBLIC FILINGS

A check of D&B's public records database indicates that no filings were found for C W C INDUSTRIES, INC at 185 Foundry St, Newark NJ.

946030032

D&B's extensive database of public record information is updated daily to ensure timely reporting of changes and additions. It includes business-related suits, liens, judgments, bankruptcies, UCC financing statements and business registrations from every state and the District of Columbia, as well as select filing types from Puerto Rico and the U.S. Virgin Islands.

D&B collects public records through a combination of court reporters, third parties and direct electronic links with federal and local authorities. Its database of U.S. business-related filings is now the largest of its kind.

GOVERNMENT ACTIVITY

Activity summary

Borrower (Dir/Guar):	NO
Administrative debt:	NO
Contractor:	NO
Grantee:	NO
Party excluded from federal program(s):	NO

Possible candidate for socio-economic program consideration

Labor surplus area:	YES (2005)
Small Business:	YES (2006)
8(A) firm:	N/A

The details provided in the Government Activity section are as reported to Dun & Bradstreet by the federal government and other sources.

Jump to:

Overview | Scores | Payments | Public Filings | Banking & Finance

History & Operations

HISTORY

The following information was reported **01/07/2005**:

Officer(s): PETER CHAN, PRESIDENT

DIRECTOR(S): THE OFFICER(S) and Stockholder: S L Chan.

Business started 1969 by Peter Chan. 100% of capital stock is owned by The Chan Family.

Corporation succeeded in 1969.

PETER CHAN born 1940. Present and active here since 1963, assuming the presidency upon the company's incorporation in May, 1969.

946030033

BUSINESS REGISTRATION

CORPORATE AND BUSINESS REGISTRATIONS PROVIDED BY MANAGEMENT OR OTHER SOURCE

The Corporate Details provided below may have been submitted by the management of the subject business and may not have been verified with the government agency which records such data.

Registered Name: C W C Industries Inc

Business type: CORPORATION
Corporation type: PROFIT
Date incorporated: MAY 13 1969
State of incorporation: NEW JERSEY

Common stock
Authorized shares: 1,000
Par value: NO PAR VALUE

Where filed: Secretary of State, Trenton, NJ

OPERATIONS

01/07/2005

Description: Manufactures hot stamping foils (100%). Fax # 973 589-1617.

Terms are net 30 days. Has 300 account(s). Sells to injection molding companies, graphic printers and decorators. Territory : United States and Canada.

Nonseasonal.

Employees: 15 which includes officer(s).

Facilities: Owns 100,000 sq. ft. in 1 1/2 story cinder block building. Premises consist of 2 attached buildings.

Location: Industrial section on well traveled street.

SIC & NAICS

SIC:
Based on information in our file, D&B has assigned this company an extended 8-digit SIC. D&B's use of 8-digit SICs enables us to be more specific to a company's operations than if we use the standard 4-digit code.

The 4-digit SIC numbers link to the description on the Occupational Safety & Health Administration (OSHA) Web site. Links open in a new browser window.

NAICS:
332999 All Other Miscellaneous Fabricated Metal Product Manufacturing

946030034

34970000 Metal foil and leaf

Jump to:

Overview | Scores | Payments | Public Filings | History & Operations

Banking & Finance

KEY BUSINESS RATIOS

Statement date: DEC 31 1998
Based on this number of establishments: 101

Industry Norms based on 101 establishments

	This Business	Industry Median	Industry Quartile
Profitability			
Return on Sales	UN	4.6	UN
Return on Net Worth	UN	12.0	UN
Short-Term Solvency			
Current Ratio	2.3	2.4	3
Quick Ratio	UN	1.3	UN
Efficiency			
Assets Sales	UN	57.1	UN
Sales / Net Working Capital	5.5	5.2	2
Utilization			
Total Liabs / Net Worth	UN	84.5	UN

UN = Unavailable

FINANCE

01/07/2005

One-year statement comparative:

	Fiscal Dec 31 1998
Current Assets	630,818

946030035

Current Liabs	277,530
Current Ratio	2.27
Working Capital	353,288
Other Assets	235,028
Net Worth	588,316
Sales	1,955,342
Long Term Liab	0
Net Profit (Loss)	302,122

Accountant: Lawrence H Straus, CPA.

On January 7, 2005, attempts to contact the management of this business have been unsuccessful. Outside sources confirmed operation and location.

CUSTOMER SERVICE

If you have questions about this report, please call our Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. If you are outside the U.S. contact your local D&B office.

*** Additional Decision Support Available ***

Additional D&B products, monitoring services and specialized investigations are available to help you evaluate this company or its industry. Call Dun & Bradstreet's Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. or visit our website at www.dnb.com.

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

946030036

Custom Foils Company

Beginning Oct. 1, 2005 Chuck Motola's new #'s: Tel: 707-584-8002; Fax: 707-584-8003

Tel: 973-344-1434, Toll Free: 800-863-1072, Fax: 973-589-1617...

PRODUCTS | TOUR
COLOR CHARTS | FAQ'S
SAFETY | FOREIGN DISTRIBUTORS
DISCLAIMER | CONTACT US

Custom Foils Company, *Division of CWC Industries, Inc.*, is a manufacturer of quality Hot Stamping Foils since 1969. Located in Newark, New Jersey, U.S.A., we manufacture a broad range of pigmented and metallic foils for both the plastic and graphic arts industries.

PIGMENT FOILS

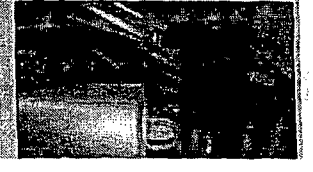
Unlike metallic foils where at maximum there can be perhaps twenty different shades, the pigment color range is far greater. Hot stamping foils manufacturers do not attempt to make every shade possible since it is simply too costly to stock so many shades and the demand for one particular shade is too small. That is exactly why you need Custom Foils Company. While our competition may have twenty to fifty shades, we have ***hundreds*** of pigmented shades in stock. Check out our WEB color chart and see for yourself. Don't be restricted by a limited color range.

Has the foil or shade you have been using been discontinued? Give us a call. We might have a match.

Our custom pigment color matching is like no other. Our minimum footage requirements are the lowest and lead times are the shortest. Do you have a very specific application that needs a custom hot stamping foil? We can formulate for your individual needs.

METALLIC FOILS

In addition to foils for the graphics industries, Custom Foils manufactures high quality heat resistant foils for



946030038

the plastic applications.

SERVICE

Service is a high priority at Custom Foils Company. Do you feel like small companies are neglected by your foil supplier? Not so at Custom Foils! Small and large companies are always welcome. Whether your requirements are a master roll of 200 feet or 200,000 feet, look to Custom Foils!

06581

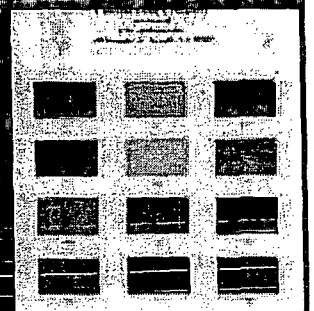
946030039

PRODUCTS

Pigments The pigment chart contains over four hundred colors, some of which may not be in stock. Most of the products available in the 'P' series are also available in the 'E' series.

Because actual color and web representations of color will vary, an actual sample must be approved before purchasing foil. Contact Us for samples.

The following description serves as a general guideline for selection of our most popular product lines. Other product types are also available. Actual variations may vary as there are many variables in foil stamping. Samples should be tested prior to purchase. Please see Disclaimer for important information.



COLOR CHARTS

PRODUCT SERIES	TYPICAL SUBSTRATES	RUBBER DIE	METAL DIE
P	PS, PP, PE	350-450°F	275-375°F
E	PS, ACRYLIC, GRAPHIC	300-450°F	200-375°F
K	PS	350-425°F	275-375°F
D (matte)	GRAPHICS		200-300°F
M (miscellaneous)	VARIOUS	VARIOUS	VARIOUS

Metallics- Silvers, golds, and metallic colors. These are available for graphic and plastic applications. Because these shades are mpossible to reproduce these shades on the web, Contact Us if you need a color chart or a sample. The ollowing description serves as a general guideline for product selection. Actual variations may vary as there are many variables in foil stamping. Samples should be tested prior to purchase. Please see Disclaimer for mportant information.

PRODUCT SERIES	TYPICAL SUBSTRATES	RUBBER DIE	METAL DIE
GF, GD	GRAPHICS		200-300°F
GF	PS	300-375°F	250-325°F

9460300040

GL	PP, PE	350-425°F	300-350°F
AP, PP	PS, PP, PE	350-500°F	300-400°F
AL, PL	PP, PE	350-500°F	300-400°F
AF, PE	ACRYLICS, PC	400-500°F	300-400°F

PS- polystyrenes and similar copolymers

PP- polypropylene

PE-polyethylene

PC-polycarbonate

CONTACT US

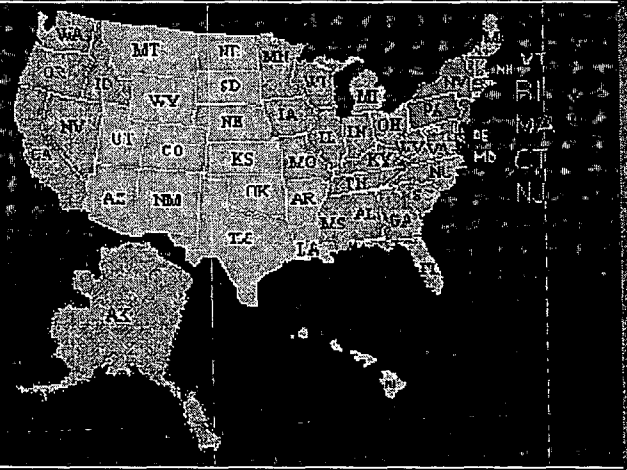
Back to HOME PAGE

946030041

CONTACT US

Manufacturing Plant:
Custom Foils Company
Division of CWC Industries, Inc.
185 Foundry St.
Newark, NJ 07105
Tel: 973-344-1434
Fax: 973-589-1617
Toll Free: 800-863-1072
Monday-Friday 9:00AM-5:00PM Eastern Time
E-mail: customfoils@erols.com
(For urgent requests, please call or fax.)

SALES REGIONS:



Custom Foils Company
Tel: 973-344-1434
Fax: 973-589-1617
E-mail: customfoils@erols.com

Chuck Motola

9460300 42

Beginning OCTOBER 1, 2005
Tel: 707-584-8002 Fax:707-584-8003
E-mail: sales1@customfoilscompany.com
These numbers will no longer be valid after September 28, 2005:
Tel: 772-546-7507 Fax: 772-546-7637

Tony Metcalfe
Tel/Fax: 817-684-0728
E-mail: tonymetcalfe@sbcglobal.net

Distributors and Foreign/ International Customers
E-mail: customfoils@erols.com

From North: Take NJ Turnpike South to Exit 15 E. After toll booths, bear right to Doremus Ave. While on Doremus Ave., make first right. Make another first right on to Foundry St. In less than one minute, Custom Foils will be on the left. We are the white corner building opposite the multiplex theatre.

From South: Take NJ Turnpike North to Exit 15 E. After toll booths, bear right to Doremus Ave. While on Doremus Ave., make first right. Make another first right on to Foundry St. In less than one minute, Custom Foils will be on the left. We are the white corner building opposite the multiplex theatre.

From West: Take I-78 East to Route 1-9 North. Get off on Doremus Ave. While on Doremus Ave., make first right. Make another first right on to Foundry St. In less than one minute, Custom Foils will be on the left. We are the white corner building opposite the multiplex theatre.

From East: Take Holland Tunnel to Route 1-9 South (Pulaski Skyway). Get off on Raymond Blvd. After ramp, as the road will shifts left on to Raymond Blvd, make that immediate left turn on to Foundry St. In about one minute, Custom Foils will be on the right. We are the white corner building opposite the multiplex theatre.

BACK TO HOME PAGE

946030043

FREQUENTLY ASKED QUESTIONS

(FAQ'S)

BACK TO HOME PAGE

What is the minimum order?

Which of the colors on the web color chart are in stock?

What is the usual procedure for color matching?

What is the cost for custom color matching?

What is the minimum order for a product that is out of stock?

What are some of the variables in foil stamping?

Why are some pigment foils not opaque?

How does the unit price work?

Is there an extra charge for cutting?

What is the sales policy for a new customer?

What is the return policy?

946030044

What is the minimum order?

For customers who are not distributors, the minimum order for a stock item is one roll 24 inches wide by 200 feet in length. Our hot stamping foils are actually manufactured in 25 inch widths, of which the center 24 inches are coated. We can cut this "master roll" to any combination of widths from a 1/2" up.

All orders must be sold in 24 inch widths, but may be cut down to the desired widths.

Example 1: If your requirements are 4 inches by 1200 feet, you cannot order a roll 4" x 1200'; you need to order one master roll 24" x 200', and that will be cut into 4 inch widths.

Example 2: If your requirements are 17" x 1000', you must purchase 24" x 1000', and we will cut the 17". We will either send you the remaining uncut width or discard it.

Back to Top

Which of the colors on the web color chart are in stock?

Most of the colors that are on the chart have some stock available. However, once the stock is depleted, they may not be restocked until it is reordered. This may involve minimum order quantities.

The products listed in are popular shades. Should the stock be depleted, a minimum may still apply to restock.

Different conditions apply for distributors.

Back to Top

What is the usual procedure for color matching?

The first step is to either submit a sample piece of the desired color, or select a desired color from a reference book such as a reference swatch book or competitor's chart. Other required information will be the color and type of

946030045

substrate that will be stamped, known stamping conditions, and whether it is a gloss or a matte. We will choose the closest that we have in stock and send it to you. If the color is not close enough, we will make sample hand drawdowns. Drawdowns are approximately 5 inches by 12 inches. In certain instances there will be more than one set of drawdowns. If the customer approves a set, he may place the order for the custom color match. If none of the drawdowns match the desired color, it may be sent back to our lab for further sets. There is a $100 charge for each set of drawdowns, but credit will be applied if the customer places an order upon approval. Average time for drawdowns is about 3 to 5 working days. Once approved, the customer must order the required minimum for the custom match. It usually takes about 10 working days to produce.

Back to Top

What is the cost for custom color matching?

The minimum order quantity for a custom match pigment is the entire first run. This will range from 5000' x 24" to 10000' x 24". Because Hot stamping foils are manufactured using actual liquid paint, we cannot determine from that batch of paint how much foil it will yield until actually produced in its final product. The cost is determined by the product type. Please Contact Us for specific information.

The minimum order quantity for a custom match metallic foil is 20000' x 24". The cost is determined by the product type. Please Contact Us for specific information.

Different requirements exist for distributors.

Back to Top

What is the minimum order for a product that is out of stock?

If it is a product that we preferentially choose to stock because of significant demand, the product will usually be restocked, and the minimum order quantity is 200' x 24". However, if the product is not preferentially chosen to be restocked, the minimum order quantity is 5000' x 24". Call for specific details.

For distributors, the restock order is for 10000' x 24".

946030046

Back to Top

What are some of the variables in foil stamping?

Hot stamping foils are manufactured as consistently as possible at Custom Foils Company. However, in the real world, every different lot has a window of difference in color and workability. Why is that? Simply because every single raw material, meaning every pigment, dye and resin without exception, *although they may fall within acceptable tolerances*, will be slightly different from the last lot. Therefore it can easily be seen that if a mix has five pigments and five resins, we already have ten different variables! This is even before processing on our coating machines. Hot stamping foils have several coatings and each are run on different conditions on different lots of polyester film.

Heat, Pressure- Up to a point, more heat and pressure will help improve stamping image. More heat and pressure will generally cause an image to appear darker and stamp with greater coverage but appear more flaky. A general range is listed in our Products page. The larger the stamping image, the pressure is distributed over a large surface area, and less pressure is actually applied to any specific point.

Dwell and Stamping Speed- Up to a point, more dwell or a slower stamping speed will help improve stamping image. Roll on applications stamp faster than vertical applications.

Dies- In general, metal dies stamp with greater pressure and retain better temperature than silicone rubber dies. However, they are less able to account for imperfections of the makeready. Because of differences of heat conductivity, images stamped with metal dies may stamp darker than ones stamped with rubber dies.

Stamping Machines- Different machines stamp at different pressures, and will strip foil in different ways. Roll on and rotary applications work faster than vertical stamping applications. Some machines may maintain heat at a constant level while others will fluctuate more.

Setup and Makeready- Parts can slightly shift upon stamping. An incorrect setup may make the stamping image fail consistently on the same area. For a difficult project, the expertise of the setup personnel is critical to the success of the job.

Artwork- A large area of stamping may require an easy release or heavy coverage foil. Such an easy release foil may

946030047

stamp flaky on a small artwork. Combination large areas and fine copy creates more difficult challenges. A large stamping image requires more temperature, pressure and dwell.

Substrate Type- Different foils have differing adhering abilities to different substrates. Some substrates are simply very difficult to stamp. Some coatings on papers have a very low surface tension, and others release gas upon stamping. A very grainy surface is more difficult to stamp than a flat one.

Substrate color will affect stamped color. Darker substrates may change color more dramatically. Metallic foils are more opaque than pigment foils.

Viewing Conditions- A color will look different under different lighting conditions. There may be a match under one lighting condition and look different under another.

Back to Top

Why are some pigment foils not opaque?

Many years ago lead, and other heavy metal pigments such as chromium and cadmium based, were used in the manufacture of hot stamping foils. These pigments contributed to many of the yellow, red, and green shade foils. They were economical and they were also opaque. However within the past ten years, there has been much concern with the health related issues related to lead pigments. The switch over to safer organic pigments have caused opacity to suffer. Custom Foils does not use lead or any of these heavy metal pigments. We have phased those pigments out since the late 1980's. There have been new advances in high performance pigments which are more opaque, trying to achieve the levels of lead pigments, but they do not come without high cost. There are other techniques to achieve high opacity, but in general, they add to cost.

Metallic foils have a coating of metallized aluminum which gives it greater opacity than pigment foils.

Back to Top

How does the unit price work?

946030048

The unit size is one inch by two hundred feet (1" x200'). For example, if the unit price for a product is $1.25/(1" x200'), a 24" x 200' will be twenty four times the unit size, or $30. Similarly, a 24" x1000' roll will be one hundred and twenty times the unit size, or $150.

Back to Top

Is there an extra charge for cutting?

Generally there is no charge for cutting except for cutting widths less than one inch. Different requirements exist for distributors.

Back to Top

What is the sales policy for a new customer?

For customers in the United States and Canada, the payment terms are 30 days for those with an open account. To establish an open account, you must fill out our credit application/disclaimer form. Contact us to receive that form. Usually it takes approximately five working days to review that application. For those without an open account, our policy is to ship COD.

For customers outside the United States and Canada, payment must be in advance or upon receipt.

Back to Top

What is the return policy?

If there is a problem with our foil, the customer must first contact either the salesman or customer service. The customer must then send a piece of the foil back along with sample stampings showing how it is not to their satisfaction. Unstamped pieces of the substrate should be sent back along with the operating conditions of the stamping machine. The problem must be verified by our lab before we will accept any returns.

946030049

If the customer does not have a problem but just orders too much and would like to return some, if it is a stock item, the customer may return the foil so long as the foil is uncut. A restocking fee may apply. We do not accept cut rolls. The customer must pay for all shipping charges. For custom matches, we do not accept returns.

Back to Top

Custom Foils Company. Copyright © 2003-2006. All rights reserved.

Revised: 01/10/06.

CONTACT US

Back to HOME PAGE

9460300050

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved OMB No 2050-0028. Expires 9-30
GSA No. 0246-EP

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions* *Filing Notification* before completi this form. The information request here is required by law (*Secti 3010 of the Resource Conservati and Recovery Act*)

For Official Use Only

Comments: F-X-Change

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)
NJD118868975		8910

I. Name of Installation

CWC INDUSTRIES

II. Installation Mailing Address

Street or P.O. Box: 185 FOUNDRY STREET

City or Town	State	ZIP Code
NEWARK	NJ	07105

III. Location of Installation

Street or Route Number: 185 FOUNDRY STREET

City or Town	State	ZIP Code
NEWARK	NJ	07105

IV. Installation Contact

Name and Title (last, first, and job title)	Phone Number (area code and number)
CHAN PETER	201 344 1434

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership (enter code)
PETER CHAN	Corp

VI. Type of Regulated Waste Activity (*Mark 'X' in the appropriate boxes. Refer to instructions.*)

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [ ] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel (*enter 'X' and mark appropriate boxes below*)
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel (*enter 'X' and mark appropriate boxes below*)
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer (*or On-site Burner*) Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device (*enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.*)

- [ ] A. Utility Boiler
- [ ] B. Industrial Boiler
- [ ] C. Industrial Furnace

VIII. Mode of Transportation (*transporters only — enter 'X' in the appropriate box(es)*)

- [ ] A. Air
- [ ] B. Rail
- [ ] C. Highway
- [ ] D. Water
- [ ] E. Other (*specify*)

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- [X] A. First Notification
- [ ] B. Subsequent Notification (*complete item C*)

C. Installation's EPA ID Number

EPA Form 8700-12 (Rev. 11-85) Previous edition is obsolete.

ers

946030052

ID — For Official Use Only

C													T/A	C
W														1

.. Description of Hazardous Wastes *(continued from front)*

..' ...ardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste ...nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 — 261.24)*

- ☐ 1. Ignitable *(D001)*
- ☐ 2. Corrosive *(D002)*
- ☐ 3. Reactive *(D003)*
- ☒ 4. Toxic *(D000)*

. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

...nature	Name and Official Title *(type or print)*	Date Signed
[signature]	Peter Chan (President	10/23/89

...A Form 8700-12 (Rev. 11-85) Reverse

89 OCT 24 AM 10:57

Name Update

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only.

Form Approved. OMB No. 2050-0028 Expires 9-30-88. GSA No. 0246-EPA-DT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law. *(Section 3010 of the Resource Conservation and Recovery Act).*

For Official Use Only

Comments

Installation's EPA ID Number	Approved	Date Received (yr. mo. day)
NJD118868975		

I. Name of Installation

CWC INDUSTRIES

II. Installation Mailing Address

Street or P.O. Box: 185 Foundry Street

City or Town	State	ZIP Code
Newark	NJ	07105

III. Location of Installation

Street or Route Number: 185 Foundry St Bldg # 18

City or Town	State	ZIP Code
Newark	NJ	07105

IV. Installation Contact

Name and Title *(last, first, and job title)*	Phone Number *(area code and number)*
CHAN PETER OWNER	201 344 1431

V. Ownership

A. Name of Installation's Legal Owner	B. Type of Ownership *(enter code)*
PETER CHAN	

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [ ] 2. Transporter
- [ ] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer *(or On-site Burner)* Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

- [ ] A. Utility Boiler
- [ ] B. Industrial Boiler
- [ ] C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es))*

- [ ] A. Air
- [ ] B. Rail
- [ ] C. Highway
- [ ] D. Water
- [ ] E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- [X] A. First Notification
- [ ] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number

EPA Form 8700-12 (Rev. 11-85) Previous edition is obsolete.

946030054

ID — For Official Use Only			
C		T/A	C
W			1

X. Description of Hazardous Wastes *(continued from front)*

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	**8**	**9**	**10**	**11**	**12**

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	**20**	**21**	**22**	**23**	**24**
25	**26**	**27**	**28**	**29**	**30**

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	**38**	**39**	**40**	**41**	**42**
43	**44**	**45**	**46**	**47**	**48**

D. Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark X in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40* CFR *Parts 261.21 — 261.24)*

☐ 1. Ignitable *(D001)* ☐ 2. Corrosive *(D002)* ☐ 3. Reactive *(D003)* ☒ 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature	Name and Official Title *(type or print)*	Date Signed
PChan	PETER CHAN President	9/6/89

EPA Form 8700-12 (Rev. 11-85) Reverse

BRANCH
89 SEP 13 PM 12:07
AGENCY REGION II

946030055

State of New Jersey
Department of Environmental Protection and Energy
Manifest Section
CN 028, 401 East State Street
Trenton, New Jersey 08625-0028

U.S. EPA AGENCY RO II
NOV -6 PM 12:04
PROGRAM BRANCH

"Request to Deactivate EPA ID Number"

EPA ID NO. NJD118868975

Company Name: CWC Industries, Inc.

Site Address: 185 Foundry Street (street) Newark (city / town)

N.J. (state) 07105 (zip code) (lot) (block)

Mailing Address: 185 Foundry Street (street / p.o.box) Newark (city / town)

N.J. (state) 07105 (zip code)

Company Contact: Baldwin Chan (name) 973-344-5550 (area code and phone number)

Reasons for deactivating EPA ID No. (Check all appropriate boxes.)

☐ The EPA ID number was obtained for a one time cleanup which is completed.

☐ The site has completed an ECRA cleanup (indicate ECRA Case # _____).

☒ Other Old discontinued products were removed.

Is the site presently occupied? (circle yes or no)

Sign and date the application below, and retain the last page (pink copy) for your records.

Baldwin Chan (printed name) [signature] (signature)

Chemist (title) 11/2/98 (date)

Submission of false information is a violation of N.J.A.C. 7:26-5.6 and N.J.A.C. 7:26-7.3.

Copies: White – Manifest Section
Yellow – USEPA Region II
Pink -- Applicant

946030056

EPA United States Environmental Protection Agency

Handler Information

RCRAInfo

C W C INDUSTRIES **NEWARK** **NJD118868975**

Select the information to process:

Basic Handler Information

Handler Id	Handler Name	Facility Identifier	Extract Flag	Region	State	Universes
NJD118868975	C W C INDUSTRIES		X	02	NJ	LQG

Previous Name Information

Act Loc	Receive Date	Handler Name

Location Address Information

Act Loc	Street No.	Street	City	County	State	Zip	Land Type	State District
NJ	185	FOUNDRY ST	NEWARK	ESSEX	NJ	07105		METRO

Mailing Address Information

Act Loc	Street No.	Street	City	State	Zip
NJ	185	FOUNDRY ST	NEWARK	NJ	07105

Contact Information

Act Loc	Type	Title	First Name	Last Name	Phone	Street	City	State	Zip
NJ	N		PETER	CHAN	973-344-1434	185 FOUNDRY ST	NEWARK	NJ	07105

Owner Information

Act Loc	Seq	Indicator	Type	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip
NJ	1	CO	P		PETER CHAN	212-555-1212	NOT REQUIRED	NOT REQUIRED	WY	99999

Operator Information

Act Loc	Seq	Indicator	Type	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip

Miscellaneous Information

Act Loc	Previous Id	Second Id	Ack Flag	Ack Date	River Basin	TSD Date	Non-notifier	Off-site receipt	Accessibility
NJ							X		

Location Coordinates

Act Loc	Source	Latitude Measure	Longitude Measure
NJ			

Environmental Priority Ranking

Act Loc	EPR Date	EPR Status	EPR Notes

946030057

SIC Information

Act Loc	Seq	Source	Code	Primary

Other Permit Information

Act Loc	Number	Type	Permit Description

Activity Summary Information

Act Loc	Source	Seq	Receipt Date	Gen - Fed Reg	Trans - Fed Reg	TSD - Fed Reg	HW Fuel - Fed Reg	Used Oil - Fed Reg	UIC	Recy
NJ	E	1	12/31/1979	LQG - R	-	-	-	-		

Hazardous Waste Stream Information

Act Loc	Sequence	Source	Date	Amount	Unit of Measure	Desc

Go To

URL: /Handler/HAND_info_main.asp

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Facility Information | Report Error

Overview | EZ Query | Query | Model | Feedback | EF Home

Facility Detail Report

Facility Name:	CWC INDUSTRIES INCORPORATED
Location Address:	185 FOUNDRY STREET
Supplemental Address:	
City Name:	NEWARK
State:	NJ
County Name:	ESSEX
ZIP/Postal Code:	07105
EPA Region:	02
Congressional District Number:	13
Legislative District Number:	
HUC Code:	02030103
Federal Facility:	NO
Tribal Land:	
DUNS Company Number:	
Latitude:	40.728408
Longitude:	-74.132816
Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point Description:	PLANT ENTRANCE (GENERAL)

Report Facility Discrepancy

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date
TRIS	07105CWCND185FO	TRI REPORTER	TRI REPORTING FORM	06/04/1999
RCRAINFO	NJD118868975	LQG	EPA INSPECTION	12/31/1979
AIRS/AFS	NJ0004037	AIR MINOR	AIRS/AFS	07/25/2000
NCDB	I02#1996040911062 1			
NCDB	D02#EPCRA-96-0115			
DOCKET	02-1996-0161-0001			

Facility Mailing Addresses

946030059

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	185 FOUNDRY ST.	NEWARK	NJ	07105	TRIS
FACILITY MAILING ADDRESS	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO
OWNER	NOT REQUIRED	NOT REQUIRED	WY	99999	RCRAINFO
REGULATORY CONTACT	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO
FACILITY MAILING ADDRESS	185 FOUNDRY STREET	NEWARK	NJ	07105	AIRS/AFS

NAICS Codes

No NAICS Codes returned.

SIC Codes

Data Source	SIC Code	Description	Primary	Report Discrepancy
TRIS	2851	PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS		Report
AIRS/AFS	3999	MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED		Report
AIRS/AFS	7399			Report
DOCKET	2851	PAINTS, VARNISHES, LACQUERS, ENAMELS, AND ALLIED PRODUCTS		Report

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
PUBLIC CONTACT	BALDWIN CHAN	9733445550	TRIS		Report
REGULATORY CONTACT	PETER CHAN	9733441434	RCRAINFO	View	Report
COMPLIANCE CONTACT	STEVEN CHAN	2013441434	AIRS/AFS		Report

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OWNER	PETER CHAN		RCRAINFO	View	Report
OWNER/OPERATOR		118868975	AIRS/AFS		Report

Alternative Names

Alternative Name
C W C IND
CWC IND

Query executed on: APR-23-2002

946030061

APR 30 1996

EXPRESS MAIL
RETURN RECEIPT REQUESTED

President
CWC Industries Inc.
185 Foundry Street
Newark, New Jersey 07105

Re: Request for Information Under 42 U.S.C. §9601 et seq.
Diamond Alkali Superfund Site, Passaic River Study Area

Dear Sir/Madam:

The United States Environmental Protection Agency ("EPA") is investigating the presence of hazardous substances in the sediments of the Passaic River. EPA is charged with responding to the release and/or threatened release of hazardous substances, pollutants and contaminants into the environment and with enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §9601 et seq.

This "Request for Information", EPA requests information concerning the nature and quantity of certain materials (hazardous substances and hazardous waste, as those terms are defined at Section 101(14) of CERCLA, 42 U.S.C. §9601(14), and Section 1004 of RCRA, 42 U.S.C. §6903 respectively) which may have been generated, treated, stored, or disposed at your facility located at 185 Foundry Street in Newark, New Jersey. EPA makes its request pursuant to Section 104 of CERCLA, 42 U.S.C. §9604.

Pursuant to these statutory provisions, EPA hereby requires that you provide the information requested in Attachment A of this letter, and include, as required, the "Certification of Answers to Request for Information," with your notarized signature.

In preparing your response to this "Request for Information," please follow the instructions provided in Attachment B.

AD8000001

SYMBOL →	NNJS2	SUP ORC	NNJS2	NJB2	NJP	DD	D	
SURNAME →	RICHMAN	WHEELER	DIFORTE	BASSO	FRISCO	PAVLOU	CALLAHAN	
DATE →	4/17	4/17/96	4/17/96	4/25		4/24		

Your response to this "Request for Information" should be postmarked or received by EPA within thirty (30) calendar days of your receipt of this letter. Your response should be mailed to:

Mr. Lance R. Richman, P.G.
Emergency and Remedial Response Division
U.S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, New York 10007

with a copy to Ms. Amelia Wagner, Assistant Regional Counsel, Office of Regional Counsel, 17th Floor at the same address.

Your failure to respond to this "Request for Information" within the time specified above may subject you to an enforcement action under Section 104(e)(5) of CERCLA, 42 U.S.C. §9604(e)(5). An enforcement action may include the assessment of penalties of up to $25,000 for each day of continued noncompliance.

Be advised that you are under a continuing obligation to supplement your response if information not known or not available to you as of the date of submission of your response should later become known or available. If at any time in the future you obtain or become aware of additional information and/or find that any portion of the submitted information is false, misleading or misrepresents the truth, you must promptly notify EPA. If any part of your response is found to be untrue, you may be subject to criminal prosecution.

If desired, you may assert a business confidentiality claim covering all or part of the information requested by this letter. The claim must be supported by each of the four factors specified in Section 104(e)(7)(E) of CERCLA, 42 U.S.C. §9604(e)(7)(E), and must be asserted at the time of submission, by placing on (or attaching to) the information a cover sheet, stamped or typed legend, or other suitable form of notice employing language such as "trade secret", or "proprietary", or "company confidential". Information covered by such a claim will be disclosed by EPA only to the extent and by means of procedures set forth in Title 40 C.F.R. Part 2, Subpart B. If no such claim accompanies the information when it is received by EPA, it may be made available to the public by EPA without further notice to you.

ADBC000002

946030064

If you have any questions concerning this "Request for Information," please contact Mr. Richman, of my staff, at (212) 627-4409 or Ms. Wagner at (212) 637-3141. Inquiries from attorneys should be directed to Ms. Wagner. Your cooperation is appreciated.

Sincerely yours,

Kathleen C. Callahan, Director
Emergency and Remedial Response Division

Enclosures

ADB000003

946030065

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of _____:

County of _____:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

_____
NAME (print or type)

_____
TITLE (print or type)

_____
SIGNATURE

Sworn to before me this
day of _____, 19___

_____
Notary Public

ADB000004

946030066

ATTACHMENT A

REQUEST FOR INFORMATION

Background

The United States Environmental Protection Agency ("EPA") is investigating the release of hazardous substances into the Passaic River. EPA has information indicating that hazardous substances from your facility located at 185 Foundry Street in Newark, New Jersey may have been discharged into the Passaic River.

Please provide the information requested below, including copies of all available documentation that supports your answers.

1) How long has your company operated at the facility designated above? If your company no longer operates at this facility, during what years did your company operate at the facility?

2) a) Does your company have or has it in the past had a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq.? If "yes", please provide the years that your company held such a permit and its EPA Identification Number.

b) Does your company have or has it in the past had a permit or permits issued pursuant to the Federal Water Pollution Control Act, 33 U.S.C. § 1251, et seq.? If "yes", please provide the years that your company held such a permit.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

	Yes	No
2,3,7,8-tetrachlorodibenzo-p-dioxin or other dioxin compounds	___	___
Toluene	___	___
Methyl Ethyl Ketone	___	___
Methanol	___	___
Naphthalene (v, m & p)	___	___
1,1-dichloroethane	___	___
1,2-dichloroethane	___	___
trichloroethylene	___	___
benzene	___	___
4-methyl-2-pentanone	___	___
Chlorobenzene	___	___
PCB 1248	___	___
Zinc	___	___
Lead	___	___
Copper	___	___
Mercury	___	___

ADB000005

946030067

Cadmium ___ ___
Arsenic ___ ___
Cyanide ___ ___

4) a) Provide a description of the manufacturing processes for which all hazardous substances, including, but not limited to, the substances listed in response to item (3), were a product or by-product.

b) During what parts of the manufacturing processes identified in the response to items (4)(a), above, were hazardous substances, including, but not limited to, the substances listed in response to item (3), generated?

i) Describe the chemical composition of these hazardous substances.

ii) For each process, what amount of hazardous substances was generated per volume of finished product?

iii) Were these hazardous substances combined with wastes from other processes? If so, wastes from what processes?

5) Describe the methods of collection, storage, treatment, and disposal of all hazardous substances, including, but not limited to, the substances listed in response to items (3) and (4). Include information on the following:

a) Identify all persons who arranged for and managed the processing, treatment, storage and disposal of hazardous substances.

b) If hazardous substances were taken off-site by a hauler or transporter, provide the names and addresses of the waste haulers and the disposal site locations.

c) Describe <u>all</u> storage practices employed by your company with respect to all hazardous substances from the time operations commenced until the present. Include all on-site and off-site storage activities.

d) Describe <u>all</u> locations where any hazardous substances were stored. If any hazardous substances were stored on pads made of concrete or any other material, were there any cracks or fractures in these pads?

e) Were there any containment dikes around any hazardous substance storage location?

ADB000006

946030068

f) Has your company ever received any notices or violations relating to drum storage? If yes, please provide all information regarding these notices or violations and information regarding what steps were taken to eliminate the source of these notices or violations and whether a clean-up was ever performed as a result of these notices or violations.

g) What processes do you use to treat your waste? What do you do with the waste after it is treated?

6) a) For process waste waters generated at the facility which contained any hazardous substances, including, but not limited to, the substances listed in response to item (3) and (4):

i) Was the waste stream discharge into a sanitary sewer and if so, during what years?

ii) Were they treated before being discharged to the sanitary sewer and if so, how? Please be specific.

iii) If the waste waters were not discharged to the sanitary sewer, where were they disposed and during what years?

iv) Please provide the results of any analyses performed on any waste process streams generated at the facility or from.

b) For floor drains or other disposal drains at the facility:

i) Did the drains connect to a sanitary sewer and if so, during what years?

ii) If the floor drains or other disposal drains at the facility were not discharged to the sanitary sewer, where did they discharge and during what years?

iii) EPA has information that in 1990 water samples collected from the south side of one of the buildings that you conducted your operation in contained high levels of volatile organic substances and an active flow was observed in the drain. Are floor drains connected to this drainage system? Are process effluents discharged into the drain?

c) i) Did any storm sewers, catch basins or lagoons exist at any time at the facility and if so, during what years?

ii) If catch basins or lagoons existed, were they lined or un-lined?

ADB000007

946030069

iii) Where was the discharge from any of these storm sewers, catch basins or lagoons released and during what years? Was this discharge treated before its release and if so, how and during what years? Whate was the chemical composition of any waste waters released, and during which years?

d) Please supply diagrams of any waste water collection, transport or disposal systems for each building that you used at the Foundry Street facility.

7) a) For each hazardous substances, including, but not limited to, the substances listed in response to item (3) or identified in the responses to item (4), above, provide the total amount generated during the operation of the facility on an annual basis.

b) Were any hazardous substances, including, but not limited to, the substances listed in response to item (3) or identified in the responses to item (4), above, disposed of in the Passaic River or discharged to the Passaic River? If yes, identify the hazardous substances, estimate the amount of material discharged to or disposed of in the Passaic River and the frequency with which this discharge or disposal occurred. Also please include any sampling of the river which you might have done after any discharge or disposal.

8) Please identify any leaks, spills, explosions, fires or other incidents of accidental material discharge that occurred at the facility during which or as a result of which any hazardous substances, including, but not limited to, the substances listed in response to item (3) or (4), were released on the property, into the waste water discharge or storm drain system or into the Passaic River. Provide any documents or information relating to these incidents, including the results of any sampling of the soil, water, air or any other environmental media after any such incident and before and after clean-up. Please also provide details of the ultimate disposal of any contaminated materials.

9) a) Was your facility ever subject to flooding. If so, was the flooding due to:

i) overflow from sanitary or storm sewer back-up, and/or

ii) flood overflow from the Passaic River?

b) Please provide the date and duration of each flood event.

10) Please provide a detailed description of any civil, criminal or administrative proceedings against your company for

ADB000008

946030070

violations of any local, State or federal laws or regulations relating to water pollution or hazardous waste generation, storage, transport or disposal, including information relating to the Administrative Order and Notice of Civil Administrative Penalty Assessment (AO/NCAPA) issued to your company after samples were taken in November 1988. Provide copies of all pleadings and depositions or other testimony given in these proceedings.

11) Provide a copy of each document which relates to the generation, purchase, use, handling, hauling, and/or disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3) or (4). If you are unable to provide a copy of any document, then identify the document by describing the nature of the document (e.g. letter, file memo, invoice, inventory form, billing record, hazardous waste manifest, etc.). Describe the relevant information contained therein. Identify by name and job title the person who prepared the document. If the document is not readily available, state where it is stored, maintained, or why it is unavailable.

12) a) Did you or anyone else sample the soil, ground water, surface water, ambient air, or any other environmental media at the facility for purposes other than those identified in the questions above?

b) If so, provide all other documents pertaining to the results of these analyses.

13) a) Has your company owned the facility at the location designated above? If so, from whom did your company purchase the property and in what year? If your company subsequently sold the property, to whom did your company sell it and in what year? Please provide copies of any deeds and documents of sale.

b) If your company did not own the facility, from whom did your company rent the facility and for what years? Please provide copies of any rental agreements.

c) To the extent that you know, please provide the names of all parties who owned or operated the facility during the period from 1940 through the present. Describe the relationship, if any, of each of those parties with your company.

14) Please provide any documents or information you have relating to any testing or studies performed for or by your company pursuant to New Jersey's Environmental Cleanup Responsibility Act (ECRA) or the Industrial Site Recovery Act (ISRA).

ADB000009

946030071

15) Answer the following questions regarding your business or company. In identifying a company that no longer exists, provide all the information requested, except for the agent for service of process. If your company did business under more than one name, list each name.

a) State the legal name of your company.

b) State the name and address of the president or the chairman of the board, or other presiding officers of your company.

c) Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New Jersey.

d) Provide a copy of your company's "Certificate of Incorporation" and any amendments thereto.

e) If your company is a subsidiary or affiliate of another company, or has subsidiaries, or is a successor to another company, identify these related companies. For each related company, describe the relationship to your company, indicate the date and manner in which each relationship was established.

f) Identify any predecessor organization and the dates that such company became part of your company.

g) Identify any other companies which were acquired by your company or merged with your company.

h) Identify the date of incorporation, state of incorporation, agents for service of process in the state of incorporation and New Jersey, and nature of business activity, for each company identified the responses to items (14)(e), (f), and (g), above.

i) Identify all previous owners or parent companies, address, and the date change in ownership occurred.

16) Provide the name, address, telephone number, title and occupation of the person(s) answering this "Request for Information" and state whether such person(s) has personal knowledge of the responses. In addition, identify each person who assisted in any way in responding to the "Request for Information" and specify the question to which each person assisted in responding. Please include the names and addresses of any former employees contacted for information relating to this Request.

ADB000010

946030072

ATTACHMENT B

INSTRUCTIONS FOR RESPONDING TO REQUEST FOR INFORMATION

1. A complete separate response must be made to each individual question in this "Request for Information".

2. Precede each answer with the number of the question to which it is addressed.

3. In preparing your response to each question, consult with all current or former employees and agents of your company who may be familiar with the matter to which the question pertains.

4. Interpret "and" as well as "or" to include within the scope of the question as much information as possible. If two interpretations of a question are possible, use the one that provides more information.

5. If you are unable to give a detailed and complete answer or to provide any of the information or documents requested, indicate the reasons for your inability to do so.

6. If you have reason to believe that an individual other than one employed by your company may be able to provide additional details or documentation in response to any question, state that person's name, last known address, phone number and the reasons for your belief.

7. For each document produced in response to this "Request for Information", indicate on the document, or in some other reasonable manner, the number of the question to which it applies.

8. If anything is deleted from a document produced in response to this "Request for Information", state the reason for, and the subject matter of, the deletion.

9. Provide all documents that relate to each question. If a document is requested but is not available, state the reason for its unavailability. In addition, to the best of your ability, identify any such document by author, date, subject matter, number of pages, and all recipients and their addresses.

10. As used herein "relate to" or "relating to" means constituting, defining, containing, embodying, reflecting, identifying, stating, referring to, dealing with, or in any way pertaining to. "Document" as used herein means any recording of information in tangible form, including memoranda, handwritten notes, invoices, checks, manifests, tape recordings, computer databases, or any tangible or physical objects however produced or reproduced upon which words or other information "are affixed or recorded or from

ADB000011

946030073

which by appropriate transcription written matter or a tangible thing may be produced.

11. Whenever in this "Request for Information" there is a request to identify a person or an entity other than a person, state the person or entity's full name, last known employment, present or last known home address, and telephone number.

12. As used herein, the term "facility," "hazardous substance," "person," and "release" shall have the meaning set forth in Section 101(9), (14), (21) and (22) of CERCLA, 42 U.S.C. §9601(9), (14), (21), and (22), respectively.

13. In answering these questions, every source of information to which you have access should be consulted, regardless of whether the source is in your immediate possession or control. All documents or other information, including records of all types of manufacturing, treatment, transportation or disposal operations, in your possession or in the possession of the Corporation should be consulted. If you do not have access to certain information and/or documents, state the nature of this information and/or documents, and indicate in whose possession they can be found.

ADB000012

946030074

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

President
CWC Industries Inc.
185 Foundry Street
Newark, NJ 07105

4a. Article Number
EG918944813US

4b. Service Type
☐ Registered ☐ Certified
☒ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
5-1-96

5. Received by: (Print Name)

6. Signature: (Addressee or Agent)
X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

ADB000013

946030075

CWC INDUSTRIES, INC.
MFRS. OF HOT STAMPING FOILS SINCE 1969

185 FOUNDRY ST.
NEWARK, N.J. 07105

TELEPHONE (201) 344-1434
FAX (201) 589-1617

96 JUN -3 AM 10:10
DIRECTOR'S OFFICE

May 28, 1996

Mr. Lance R. Richman, P.G.
Emergency and Remedial Response Division
U.S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, NY 10007

Dear Mr. Richman:

In response to your recent "Request for Information" concerning discharges into the Passaic River, the following are our answers to the questions:

1) The address at 185 Foundry St. is the site of an industrial complex with at least ten to fifteen different buildings. I believe that most of the property on which the buildings are located on are owned by Norpak Corporation, which is located on 70 Blanchard St., Newark, NJ 07105.

Our first location of rental started in 1969 in building #36. Following this was our additional occupancy at building #18 in 1976, followed by building #17 in 1981. These three are denoted site location "A." See Figure 1. I believe that if searched into older records, other buildings existed within this complex but were torn down. In 1990, we moved out of these three buildings into buildings #39 and #39A where we are still currently situated. These buildings were not owned by Norpak Corporation. This location is denoted location "B." See Figure 1.

During the years 1969 to 1990, many other chemical companies occupied other buildings as well as the periods when we were not in these buildings. In addition to manufacturing, some distributed chemicals (such as regenerated or recovered chemical solvents). See Figure 2. Throughout our occupancy, there were also many buildings which were abandoned or not leased. By the middle to late 1980's, in addition to us, I believe that only buildings #1, #14, #21, and #29 were occupied. There were also other companies occupying land at 185 Foundry St. but not the buildings during these years. For example, there were drum cleaning operations in outside open space. Some of the space was used for trucks and their cargo of solvents.

The complex was easily accessible because it was opened and not fenced in. Because the industrial complex was deserted when nobody was working and because it was unlighted or poorly lighted at best at night, there was rampant dumping and vandalism. Along with household and industrial items,

there was presumably dumping of hazardous materials by the drum and disposal by simple pouring. Dumping should be well documented by local authorities and the NJ Department of Environmental Protection. Dumping into the sewage has been caught and recorded by the Passaic Sewage Commission. The Newark Fire Department should have recorded reports of fires or smoke in some of these abandoned buildings where people were processing illegally. In many instances, we could also smell some unidentifiable foul odors.

2a) Our paperwork of the one time disposal was in 1990 with the location A. The EPA id number was NJD118868976. There were no other incidents of hazardous waste disposal in locations A or B.

We currently do not have hazardous waste. All paint from a leftover batch are blended with other leftover batches to make a third batch. The one time disposal occurred because apparently there was some contamination in the product which we decided not to reprocess. It was certainly possible to reprocess those drums, but we decided not to. Therefore, these drums were always "in process," but we decided to remove them.

2b) No

3) Yes. We have received and utilized toluene, methyl ethyl ketone, and methanol. We have also received v m & p naphtha, but it is different from naphthalene. Napthalene is an aromatic hydrocarbon while the former is aliphatic. None other from the list applies. We did not manufacture them, nor did we ever discharge or release them. We had a one time disposal. See 2a.

4a and b) The chemicals listed above and other hazardous substances were purchased and used, but not generated, produced, or manufactured.

5a) The one time disposal was arranged and managed by Peter Chan and I.

5b) The one time disposal was taken to S & W Waste, 105 Jacobus Av., South Kearny, New Jersey 07032.

5c) In each location A and B, the largest container used for storage is the 55 gallon drum. To transfer material from the 55 gallon drum to a smaller container, we employed pouring, scooping or pumping.

5d) See Figure 1 for storage locations in location A. and B. In location A, hazardous substances were stored in our outside storage area of building #18. In location B, hazardous substances are stored in our storage room. The floor areas of both storage locations are in tact.

5e) I'm not familiar with a "containment dike." We did not change the pavement so as to contain spills.

5f) No

5g) No hazardous waste existed in locations A or B. See above for the one time disposal.

6a) No process waste waters in locations A or B were generated.

6b,c) I am not familiar with the terms "disposal drain," "sanitary sewer," "catch basin," and "lagoon." We are alarmed at the finding that there were high levels of volatile organic substances found in the drain in an EPA 1990 sample. HOWEVER, FROM OUR OPERATIONS, CATEGORICALLY NO SPILL OR PROCESS EFFLUENTS, EITHER DONE INTENTIONALLY OR NON-INTENTIONALLY, OF ANY HAZARDOUS MATERIAL WENT INTO ANY HOLE IN ANY GROUND.

7a) None were generated.

7b) I'm not familiar with what connects to the Passaic River, but in our operations at locations A or B, there has never been any discharge of these substances into the ground or drain.

8) None of these incidents have occurred.

9a) Yes. I'm not sure from what overflow, but there were times when the much of the complex in location A was flooded. Building #36 was never flooded, but #18 (once or twice, but not entirely), the outside storage area, and some of building #17 were. See figure 3 for a great extent of flood diagram for location A. During the floods, there was never a discharge of our hazardous material. During the floods, there was never an incident when any 55 gallon drum or smaller drum overturned to spill hazardous materials as a result of floatation in the water. From figure 3, smaller cans were located in a storage hut. Within the storage hut, there were 3 or 4 levels of skids elevating the smaller cans above flood level. In addition, these smaller cans were also stacked such that the weight of the stacking prevented overturning in flooding. There was never an incident when the flood level exceeded the height or level of a container such that water would get into the container.

An careful analysis of the buildings around the complex should reveal similar chemical content around the bottom first 12 inches of the buildings in the flood area. This indicates that during flooding, water circulated and carried the chemicals throughout the entire complex. There were also instances during flooding when chemicals seem to be floating on the water. Location B has never been flooded.

b) Dates unknown, but there was probably flooding as much as two to three times per year in location A.

10) None

11) See attached

12a) See the items referring to the New Jersey Environmental Responsibility Cleanup Act in question 14.

12b) See question 14

13a)Location A -no. Location B-yes.

13b) Location A- Norpak Corp.

13c) For location A, Appendix A (copy of our submittals to ECRA, dated in 1990) shows these companies. In location B, or buildings #39 and 39A, Hummel Lanolin operated prior to us.

14) See attached Negative Declaration.

15a) CWC Industries, Inc.

15b) Peter Chan (president) at 185 Foundry St., Newark, NJ 07105

15c) New Jersey

15d) Not available

15e) We also use Custom Foils Company. This name is used for selling our products.

15fand g) None

15h) CWC Industries, Inc. was incorporated in 1969.

15i) This company has always been owned in majority by the Chan family.

16)Name: Baldwin Chan
Address: 185 Foundry St., Newark, NJ 07105
Telephone: 201-344-1434
Title and occupation: Chemist

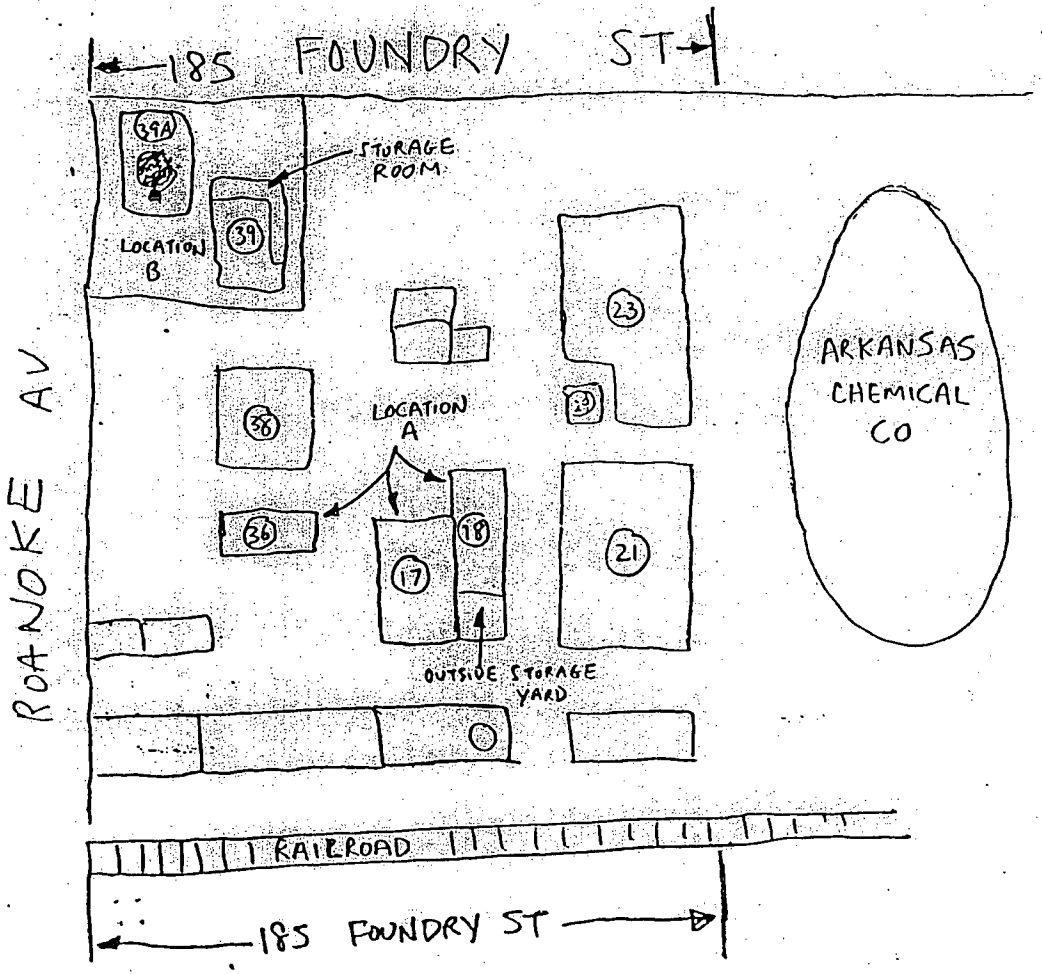
Thank you for your kind and careful consideration. If you have any further questions or need further assistance, please do not hesitate to contact me.

Sincerely,

Baldwin Chan
Chemist

946030081

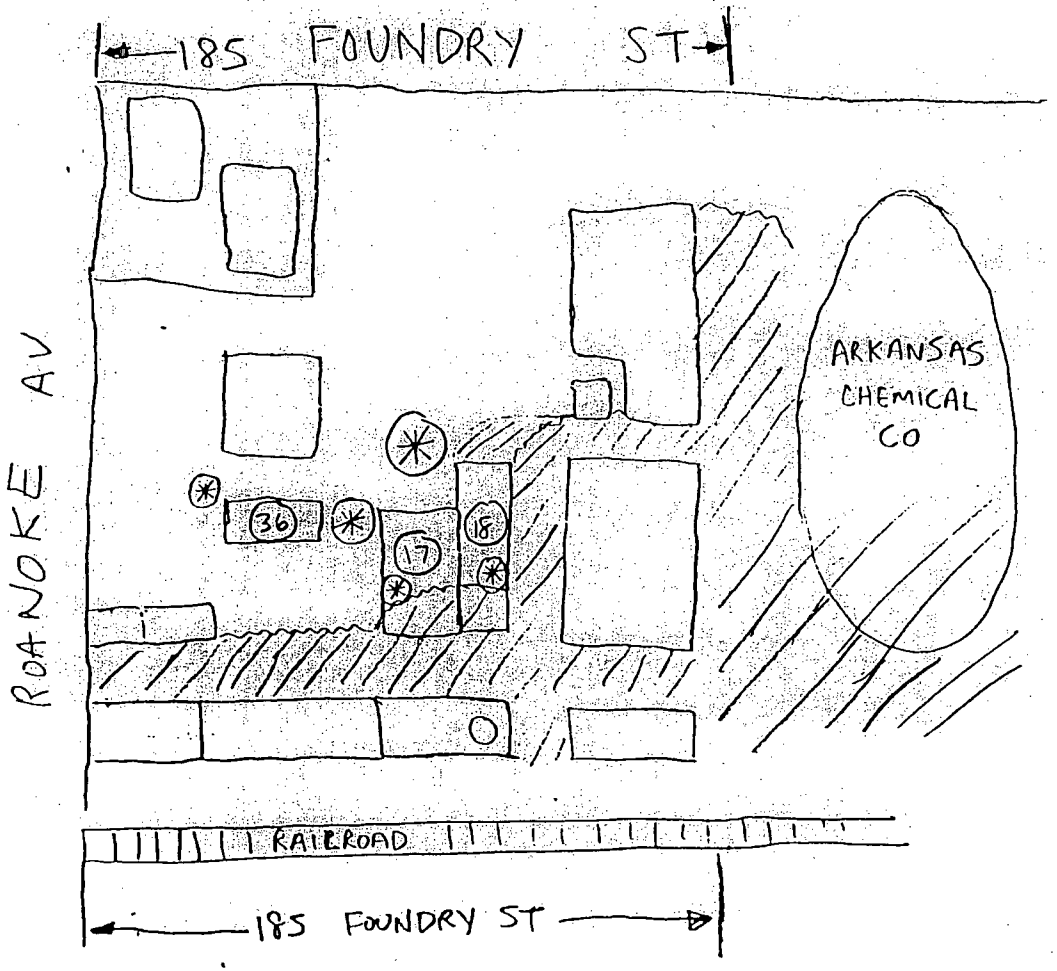
FIGURE 1: General sketch of 185 Foundry St. Not drawn proportionally or drawn to scale. I'm not sure if Arkansas Chemical Co is part of 185 Foundry or not.



946030082

FIGURE 3: Flooded Areas

- FLOODED AREAS FROM PERSPECTIVE OF PERSON STANDING AT (*)
(*) indicates locations to which I have walked and observed the flooding



946030083

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Bureau of Education
CN 028, Trenton, NJ 08325

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD118868976 Manifest Document No. 0788989

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
CWC Industries
185 Foundry Street, Bldg #18
Newark, NJ 07105

4. Generator's Phone (201) 344-1434

A. State Manifest Document Number: NJA 0788989

B. State Generator's ID: Same

5. Transporter 1 Company Name: S&W WASTE, INC.

6. US EPA ID Number: NJD991291105

C. State Trans. ID: NJSWA S 3002

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Transporter's Phone ( ) 201 344-4004

E. State Trans. ID:

9. Designated Facility Name and Site Address
S & W WASTE, INC.
105 Jacobus Avenue
South Kearny, N.J. 07032

10. US EPA ID Number: NJD991291105

F. Transporter's Phone ( )

G. State Facility's ID: (201) 344-4004

H. Facility's Phone ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. X	NA 1993 FLAMMABLE LIQUID, NOS RQ (D001) Flammable Liquid UN1993	XX8	DM	XX440	G	D001
b.						
c.						
d.						

J. Additional Toluene 25%, Methanol <10%
VMP Naptha 25%, Isopropyl Alcohol 25%
a. Methyl Ethyl Keytone <10%
Acetone <10%, Water <2%, Solvents <0.5%
b. Chlorinated Rubber <1% LIQUID

K. Handling Codes for Wastes Listed Above
a. [illegible] c.
b. d.

15. Special Handling Instructions and Additional Information
S&W APPROVAL NO. 003955 a) 001
* 33445

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. [illegible] the best waste management method that is available to me [illegible] my waste generation and select

Printed/Typed Name: [illegible] Signature: [illegible] Month Day Year: 04 06 9[illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JORGE HOHEB Signature: Jorge Hohel Month Day Year: 04 06 9[illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: RECEIVED PENDING MANIFEST REVIEW & QUALITY CONTROL
Printed/Typed Name: Carol Lynn [illegible] Signature: [illegible] Month Day Year: 04 06 9[illegible]

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

— TSD MAIL TO - GENERATOR

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

946030084

Appendix A

CWC Industries, Inc., a New Jersey Corporation
ECRA-2 Site Evaluation Submission

Operational and Ownership History

Name	Owner/ Operator	From	To	Current Address
1. Chemical Industries, Inc.	Owner	1/30/39	5/17/62	Unknown
2. KEM Realty Co.	Owner	5/17/62	10/8/76	70 Blanchard St. Newark, NJ 07105
3. Jorco Investing Corp.	Owner	10/8/76	11/30/76	70 Blanchard St. Newark, NJ 07105
4. Norpak Corp.	Owner	11/30/76	Present	70 Blanchard St. Newark, NJ 07105
5. CWC Industries, Inc.	Operator	bldg. 36 1969 bldg. 18 1976 bldg. 17 1981	1990 1990 1990	185 Foundry St. Newark, NJ 07105
6. RDS	Operator	bldg. 17 Unknown	1972	Unknown
7. LaBar	Operator	bldg. 17 1972	1975	Unknown
8. National Gasohol	Operator	bldg. 17 Unknown	Unknown	Unknown
9. Essex Chemical	Operator	bldg. 17 Unknown	1981	Unknown
10. King Aromatic	Operator	bldg. 18 1972	1975	Unknown

946030085

State of New Jersey
Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
CN 028
Trenton, NJ 08625-0028
Tel. # 609-633-1408
Fax. # 609-633-1454

Scott A. Weiner
Commissioner

Karl J. Delaney
Director

RECEIVED
DEC 26 1991
FARER SIEGAL FERSKO

DEC 23 1991

David B. Farer
Farer, Siegal, Fersko
600 South Avenue West
Westfield, NJ 07091

RE: Industrial Establishment: CWC Industries, Inc.
Location: 90-126 Roanoke Ave., Buildings 17, 18, and 36
Newark City, Essex County
Block: 5005 Lot: 4 (Leasehold Portion)
ECRA Case #90598
Transaction: Cessation of Operations
Negative Declaration by operator dated November 7, 1991

Dear Mr. Farer:

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection and Energy (NJDEPE) by the Environmental Cleanup Responsibility Act (ECRA), (N.J.S.A. 13:1K-6 et seq.) and duly delegated to the Assistant Director of the Industrial Site Evaluation Element pursuant to N.J.S.A. 13:1B-4, the referenced Negative Declaration is hereby approved. This approval is based upon information provided in your Initial Notice as well as NJDEPE investigation of the site.

Please be advised that this Negative Declaration approval is for the leasehold portion of the above referenced facility only. It does not include the areas of environmental concern being addressed under ECRA Case #90624, #90271 and #90289 at the above referenced property.

Additionally, this approval does not include the drum storage area inside the former CWC Industries, Inc.'s leasehold portion of building #17, which is not associated with the operations of CWC Industries, Inc., and is currently a part of the EPA-Approved Drum Removal Program being implemented on the adjacent tenants leasehold located at the above referenced property.

It is recognized that limited quantities of hazardous substances, specifically 100 linear feet of asbestos containing material (ACM), will remain on the property. The ACM as specified in your Initial Notice, considered complete by this office on 12/13/90, is acceptable under the provisions of ECRA.

New Jersey is an Equal Opportunity Employer
Recycled Paper

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of New Jersey:

County of Essex:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

Baldwin Chan
NAME (print or type)

Chemist
TITLE (print or type)

SIGNATURE

Sworn to before me this
day of 28, May, 1996

Maria Valente
Notary Public

MARIA VALENTE
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES OCT. 31, 1998

946030087

New Jersey State Business Gateway Service

Corporate and Business Information Reporting

Business Entity Status Report

Printing Instructions: Open your Browser's Page Setup menu and set your page margins to 0.25". Use your Browser's Print option to print the report as seen on screen.

Saving Instructions: Save this file to your hard drive for later viewing by using the Browser's "Save As" function.

All available information is displayed.

Status Report For: FOUNDRY STREET CORPORATION

Business Name: FOUNDRY STREET CORPORATION

Report Date: 02/22/2006

Business ID Number: 3952745000

Transaction Number: Sequence: 863811: 1

Business Type: DOMESTIC PROFIT CORPORATION

Status: ACTIVE

Filing Date: 04/14/1971

Home Jurisdiction: NJ

Status Change Date:

Stock Amount: 2500

DOR Suspension Start Date:

DOR Suspension End Date:

Tax Suspension Start Date:

Tax Suspension End Date:

Annual Report Month: 3

Last Annual Report Filed: 04/06/2005

For Last Annual Report Paid Year: 2004

Incorporator: X

Agent: GERALD BORRIELLO

Agent Address: 185 FOUNDRY ST
NEWARK, NJ 07105

946030089

Office Address Status: Deliverable

Main Business Address: 260 KNOLL DR
PARK RIDGE, NJ 07656

Principal Business Address: 185 FOUNDRY ST
NEWARK, NJ 07105

Associated Names

Name: Type Description:

Officers/Directors/Members

1) Title: VICE PRESIDENT
Name: FRANK BORRIELLO
Address:
PORT ORANGE, FL 32128

2) Title: OTHER
Name: FRANK BORRIELLO
Address: 1385 COCONUT PALM CIRCLE
PORTONRANGE, FL 32128

3) Title: PRESIDENT
Name: GERALD BORRIELLO
Address: 67 KETTLEHOLE RD P O BOX 2524
MONTAUK, NY 11954

4) Title: OTHER
Name: GERALD BORRIELLO
Address: 67 KETTLEHOLE RD
MONTAUK, NY 11954

Exit Return to Main List

946030090

**If you would like to receive photocopies of documents filed by this business entity, mail your request to PO Box 450, Trenton, NJ 08625. Indicate the Business Entity Number(s) involved and the type of document you wish to have copies of. Your choices are listed below:

CHARTER DOCUMENTS

Original Certificate Only (For example, Certificate of Incorporation);

Changes and Amendments to the Original Certificate Only; **OR**

All Charter Documents (Original Certificate and Changes/Amendments)

And/or

ANNUAL REPORTS

Copy of Latest Annual Report; **OR**

Copy of Annual Report for a Specific Year(s) (List the Year Desired)

The photocopy fee for all entities except limited liability companies is $1 per page. For limited liability companies, the fee is $10 for the first page and $2 per page thereafter.

The total fee amount for your order will vary depending on the number of pages associated with each filed document you request. You may supply us with a check with a NOT TO EXCEED instruction to cover the costs. Make the check payable to the Treasurer, State of New Jersey. Alternately, you may pay by credit card (provide card#/expiration date and cardholder information) or depository account. Please include a self-addressed envelope with your order. If you have any questions or would like information on alternative service options such as over-the-counter expedited service, call 609-292-9292 (option 3 on the main menu and then option 8), weekdays, 8:30 a.m. to 4:30 p.m.

Privacy Policy

946030091

Decide with Confidence

Comprehensive Report

To save report(s) to your PC, click here for instructions.

Print this Report

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

ATTN: **EE_LPRSA7**

Report Printed: JAN 31 2006

Overview

BUSINESS SUMMARY

GRIGNARD COMPANY LLC
126 Passaic St
Moved From: 100 Belmont Drive, Somerset, Nj
Newark, NJ 07104

D&B D-U-N-S Number: 00-220-1093

Now Included with this Report NEW!

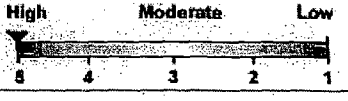
D&B's Credit Limit Recommendation
How much credit should you extend?
Learn More — **View Now**

Payment Trends Profile
Payment trends and industry benchmarks
Jump to Payment Trends

This is a **single** location.

Web site:	www.purelube.com
Telephone:	973 412-8900
Fax:	973 412-8906
Chief executive:	EMILE E GRIGNARD, MEMBER
Management control:	1963
Employs:	10
History:	CLEAR
Financing:	SECURED

Credit Score Class: 5
High risk of severe payment delinquency over next 12 months



Financial Stress Class: 3
Moderate risk of severe financial stress over the next 12 months

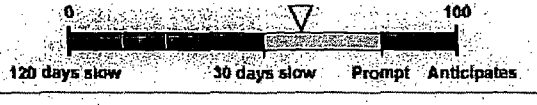
946030093

SIC: 2992

Line of business: Mfg lubricating oils/greases

12-Month D&B PAYDEX®: 61

When weighted by dollar amount, payments to suppliers average 22 days beyond terms.



D&B Rating: **1R3**

Number of employees: 1R is **10 or more** employees.

Composite credit appraisal: 3 is **fair**.

D&B EXCLUSIVE

EXECUTIVE SUMMARY

The **Financial Stress Class of 3** for this company shows that during the previous year, firms with this classification had a failure rate of 3.73% (373 per 10,000), which is 2.66 times higher than the national average.

The **Credit Score class of 5** for this company shows that during the previous year, 58.6% of the firms with this classification paid one or more bills severely delinquent, which is 3.43 times higher than the national average.

Predictive Scores	This Business	Comments
Financial Stress Class	3	Failure Rate higher than the national average.
Financial Stress Score	1315	Highest Risk: 1,001; Lowest Risk: 1,850
Credit Score Class	5	Probability of Severely Delinquent Payment is higher than the national average

Other Key Indicators		
PAYDEX Scores	22 days beyond terms	Pays more slowly than the average for its industry of 6 days beyond terms
Industry Median	6 days beyond terms	
Present management control	43 years	
UCC Filings	UCC filing(s) are reported for this business	
Public Filings	No record of open Suit(s), Lien(s), or Judgment(s) in the D&B database	
Financing	Is secured	
History	Is clear	
Special Events	Are reported for this business	

CREDIT CAPACITY SUMMARY

946030094

D&B Rating: **1R3**
Number of employees: 1R indicates **10 or more** employees.
Composite credit appraisal: 3 is **fair**.

The 1R and 2R ratings categories reflect company size based on the total number of employees for the business. They are assigned to business files that do not contain a current financial statement. In 1R and 2R Ratings, the 2, 3, or 4 creditworthiness indicator is based on analysis by D&B of public filings, trade payments, business age and other important factors. 2 is the highest Composite Credit Appraisal a company not supplying D&B with current financial information can receive. For more information, see the D&B Rating Key.

# of Employees Total: 10

Payment Activity:
(based on 24 experiences)

Average High Credit:	$1,812
Highest Credit:	$10,000
Total Highest Credit:	$36,600

SPECIAL EVENTS

03/09/2005
Business address has changed from 100 Belmont Drive, Somerset, NJ, 08873 to 126 Passaic St, Newark, NJ, 07104.

Jump to:

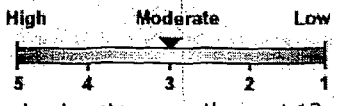
Overview | Payments | Public Filings | History & Operations | Banking & Finance

Scores D&B EXCLUSIVE

FINANCIAL STRESS SUMMARY

The Financial Stress Summary Model predicts the likelihood of a firm ceasing business without paying all creditors in full, or reorganization or obtaining relief from creditors under state/federal law over the next 12 months. Scores were calculated using a statistically valid model derived from D&B's extensive data files.

Financial Stress Class: 3



Moderate risk of severe financial stress, such as a bankruptcy, over the next 12 months.

Incidence of Financial Stress

Among Businesses with this

946030095

Classification:	3.73% (373 per 10,000)
National Average	1.40% (140 per 10,000)

Financial Stress National Percentile: 6 (Highest Risk: 1; Lowest Risk: 100)

Financial Stress Score: 1315 (Highest Risk: 1,001; Lowest Risk: 1,850)

The Financial Stress Class of this business is based on the following factors:

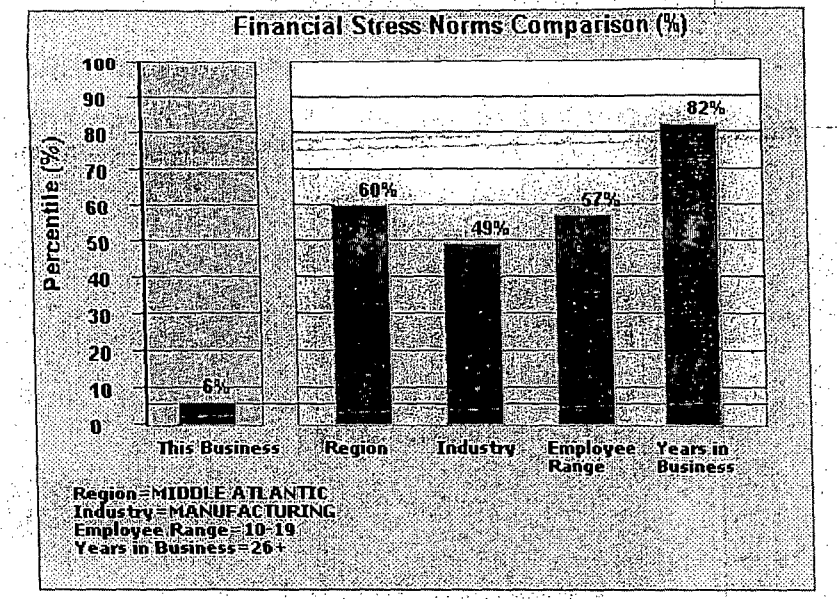
- 33% of trade experiences indicate slow payment(s) are present.
- Payment experiences exist for this firm which are greater than 60 days past due.
- Payment information indicates negative payment comments.
- No record of open suit(s), lien(s), or judgement(s) in the D&B files.
- Control age or date entered in D&B files indicates lower risk.

Notes:

- The Financial Stress Class indicates that this firm shares some of the same business and financial characteristics of other companies with this classification. It does not mean the firm will necessarily experience financial stress.
- The Incidence of Financial Stress shows the percentage of firms in a given Class that discontinued operations over the past year with loss to creditors. The Incidence of Financial Stress - National Average represents the national failure rate and is provided for comparative purposes.
- The Financial Stress National Percentile reflects the relative ranking of a company among all scorable companies in D&B's file.
- The Financial Stress Score offers a more precise measure of the level of risk than the Class and Percentile. It is especially helpful to customers using a scorecard approach to determining overall business performance.
- All Financial Stress Class, Percentile, Score and Incidence statistics are based on 2002.

Norms	National %
This Business	6
Region: **MIDDLE ATLANTIC**	60
Industry: **MANUFACTURING**	49
Employee Range: **10-19**	57
Years in Business: **26+**	82

9460300096



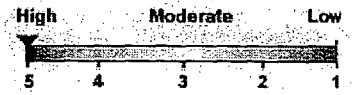
This business has a Financial Stress Percentile that shows:

- Higher risk than other companies in the same region.
- Higher risk than other companies in the same industry.
- Higher risk than other companies in the same employee size range.
- Higher risk than other companies with a comparable number of years in business.

CREDIT SCORE CLASS SUMMARY

The Credit Score class predicts the likelihood of a firm paying in a severely delinquent manner (90+ Days Past Terms) over the next twelve months. It was calculated using statistically valid models and the most recent payment information in D&B's files.

Credit Score Class: 5



High risk of severe payment delinquency over next 12 months.

Incidence of Delinquent Payment

Among Companies with this Classification: 58.60%

Credit Score Percentile: 5 (Highest Risk: 1; Lowest Risk: 100)

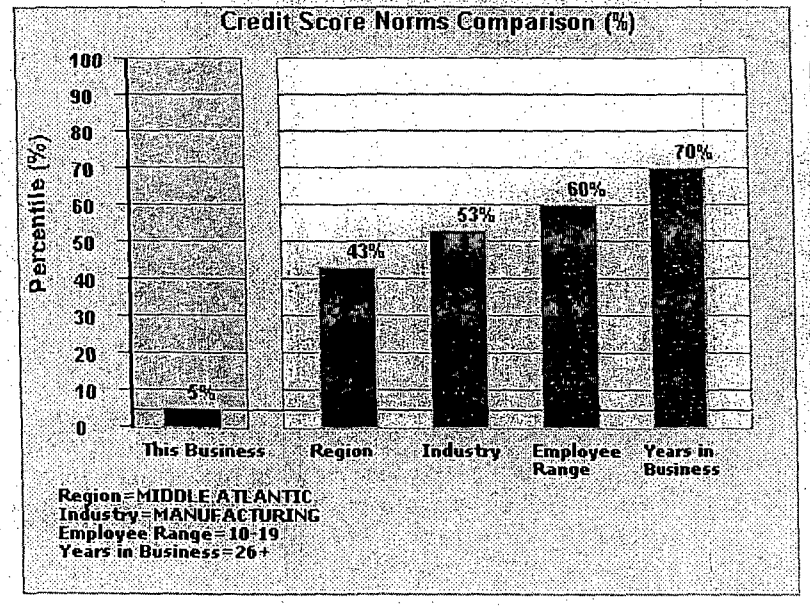
946030097

The Credit Score Class of this business is based on the following factors:

- 33% of trade experiences indicate slow payment(s) are present.
- Payment experiences exist for this firm which are greater than 60 days past due.
- Payment information indicates negative payment comments.
- Control age or date entered in D&B files indicates lower risk.
- No record of open suit(s), lien(s), or judgments(s) in the D&B files.
- Business does not own facilities.

Notes:

- The Incidence of Delinquent Payment is the percentage of companies with this classification that were reported 90 days past due or more by creditors. The calculation of this value is based on an inquiry weighted sample.
- The Percentile ranks this firm relative to other businesses. For example, a firm in the 80th percentile has a lower risk of paying in a severely delinquent manner than 79% of all scorable companies in D&B's files.



Norms	National %
This Business	5
Region: **MIDDLE ATLANTIC**	43
Industry: **MANUFACTURING**	53
Employee Range: **10-19**	60
Years in Business: **26+**	70

This business has a Credit Score Percentile that shows:

- Higher risk than other companies in the same region.
- Higher risk than other companies in the same industry.
- Higher risk than other companies in the same employee size range.
- Higher risk than other companies with a comparable number of years in business.

946030098

Jump to:

Overview | Scores | Public Filings | History & Operations | Banking & Finance

Payments D&B Exclusive

PAYMENT TRENDS

Total Payment Experiences in D&B's File:	24
Payments Within Terms: (not dollar weighted)	63%
Total Placed For Collection:	2
Average Highest Credit:	$1,812
Largest High Credit:	$10,000
Highest Now Owing:	$5,000
Highest Past Due:	$750

Current PAYDEX is:	**61**	equal to 22 days beyond terms
Industry Median is:	**76**	equal to 6 days beyond terms
Payment Trend currently is:	↔	**unchanged,** compared to payments three months ago

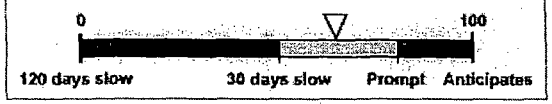
Indications of slowness can be the result of dispute over merchandise, skipped invoices, etc. Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed.

PAYDEX Scores

Shows the D&B PAYDEX scores as calculated on the most recent 3 months and 12 months of payment experiences.

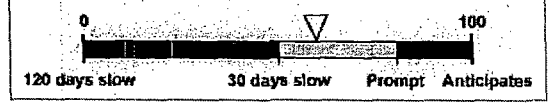
The D&B PAYDEX is a unique, dollar weighted indicator of payment performance based on up to payment experiences as reported to D&B by trade references. A detailed explanation of how to read and interpret PAYDEX scores can be found at the end of this report.

3-Month D&B PAYDEX: 64
When weighted by dollar amount, payments to suppliers average 19 days beyond terms.



Based on payments collected over last 3 months.

12-Month D&B PAYDEX: 61
When weighted by dollar amount, payments to suppliers average 22 days beyond terms.



Based on payments collected over last 12 months.

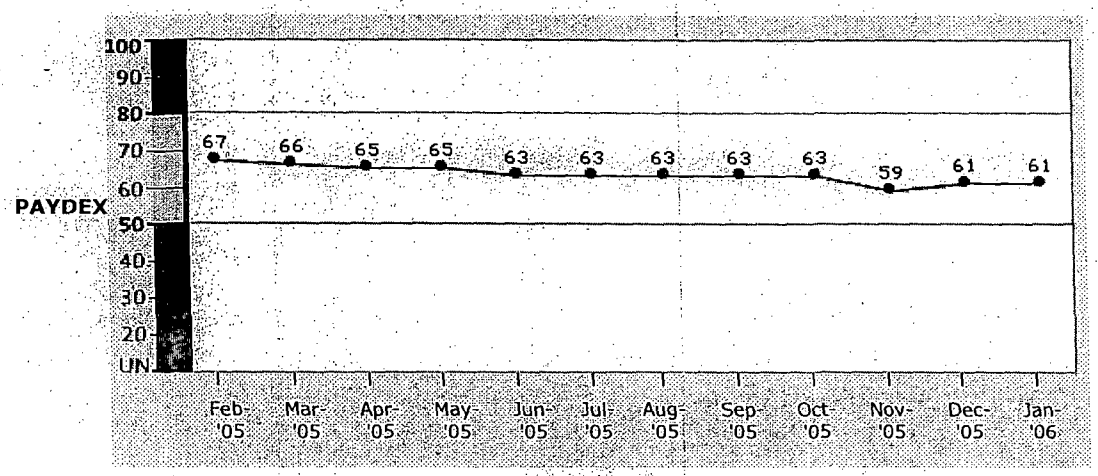
946030099

PAYDEX Yearly Trend

12 Month PAYDEX Scores Comparison to Industry

	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06
This Business	67	66	65	65	63	63	63	63	63	59	61	61
Industry Quartiles												
Upper		80			79			79			80	
Median		75			75			75			76	
Lower		67			67			67			68	

Shows the trend in D&B PAYDEX scoring over the past 12 months.



Last 12 Months

Based on payments collected over the last 12 months.

- Current PAYDEX for this Business is 61, or equal to 22 days beyond terms
- The 12-month high is **67**, or equal to 18 days beyond terms
- The 12-month low is **59**, or equal to 23 days beyond terms

PAYDEX Comparison to Industry

Shows PAYDEX scores of this Business compared to the Primary Industry from each of the last four quarters. The Primary Industry is Mfg lubricating oils/greases, based on SIC code 2992.

946030099 A

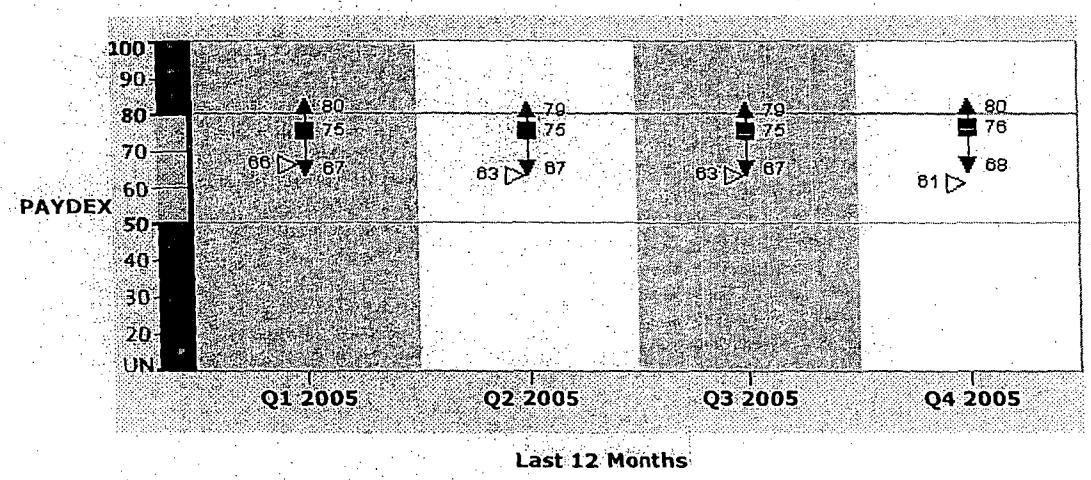
Quarterly PAYDEX Scores Comparison to Industry

Previous Year

	3/04	6/04	9/04	12/04
This Business	69	73	70	72
Industry Quartiles				
Upper	79	79	79	80
Median	75	75	75	75
Lower	67	67	67	67

Current Year

	3/05	6/05	9/05	12/05
This Business	66	63	63	61
Industry Quartiles				
Upper	80	79	79	80
Median	75	75	75	76
Lower	67	67	67	68



Based on payments collected over the last 4 quarters.

Score Comparison Key:	▷ This Business	▲ Industry upper quartile
		■ Industry median
		▼ Industry lower quartile

- Current **PAYDEX** for this Business is **61**, or equal to 22 days beyond terms
- The present industry **median score** is **76**, or equal to 6 days beyond terms.

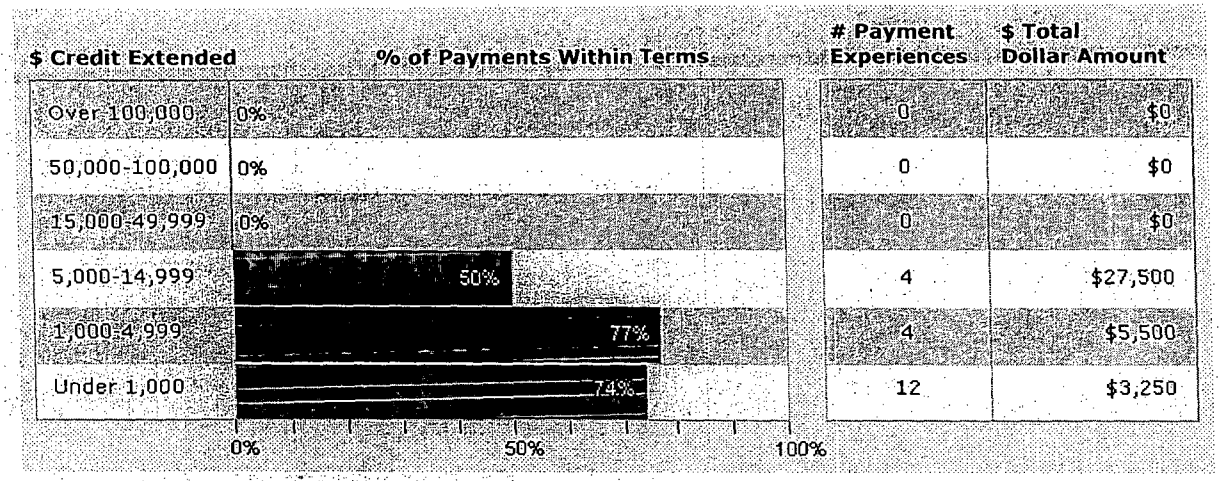
- Industry upper quartile represents the performance of the payers in the 75th percentile
- Industry lower quartile represents the performance of the payers in the 25th percentile

Payment Habits

For all payment experiences within a given amount of credit extended, shows the percent that this Business paid within terms. Provides number of experiences used to calculate the percentage, and the total dollar value of the

946030100

credit extended.



Based on payments collected over the last 12 months.

Payment experiences reflect how bills are met in relation to the terms granted. In some instances, payment beyond terms can be the result of disputes over merchandise, skipped invoices, etc.

PAYMENT SUMMARY

The Payment Summary section reflects payment information in D&B's file as of the date of this report.

There are 24 payment experiences in D&B's file for the most recent 12 months, with 12 experiences reported during the last three month period.

Below is an overview of the company's dollar-weighted payments, segmented by its suppliers' primary industries:

	Total Rcv'd (#)	Total Dollar Amts ($)	Largest High Credit ($)	Within Terms (%)	Days Slow <31 (%)	31-60 (%)	61-90 (%)	90> (%)
Top industries:								
Trucking non-local	7	13,300	7,500	51	21	0	28	0
Nonclassified	6	13,600	10,000	53	10	37	0	0
Telephone communictns	2	1,500	1,000	100	0	0	0	0
Mfg paint/allied prdt	1	5,000	5,000	50	0	0	50	0
Mfg inorganic chemcls	1	1,000	1,000	100	0	0	0	0
Management services	1	1,000	1,000	100	0	0	0	0
Whol electrical equip	1	500	500	0	0	100	0	0

946030101

Whol durable goods	1	250	250	100	0	0	0	0
Misc business credit	1	100	100	100	0	0	0	0
Other payment categories:								
Cash experiences	0	0	0					
Payment record unknown	1	250	250					
Unfavorable comments	0	0	0					
Placed for collections:								
With D&B	1	100	0					
Other	1	N/A	0					
Total in D&B's file	24		10,000					

The highest **Now Owes** on file is $5,000 The highest **Past Due** on file is $750

Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed. Indications of slowness can be result of dispute over merchandise, skipped invoices, etc.

PAYMENT DETAILS

Detailed payment history

Date Reported (mm/yy)	Paying Record	High Credit ($)	Now Owes ($)	Past Due ($)	Selling Terms	Last Sale Within (months)
12/05	Ppt	1,000	0	0		6-12 mos
	Ppt	1,000	1,000	0		1 mo
	Ppt	750	50	0		1 mo
	Ppt	250	0	0		6-12 mos
	Ppt	100	0	0		4-5 mos
	Ppt	0	0	0		1 mo
	Ppt-Slow 30	5,000	5,000	0		1 mo
	Ppt-Slow 30	2,500	500	0		1 mo
	Ppt-Slow 60	10,000	0	0		1 mo
	Ppt-Slow 90	5,000	0	0		6-12 mos
	Slow 15	250	0	0		6-12 mos
	Slow 30-120	100	0	0		6-12 mos
10/05	Ppt	100	0	0	N15	6-12 mos
	Ppt-Slow 80	7,500	0	0	N15	6-12 mos
	(015)	750	750	750		4-5 mos
	Placed for collection.					
07/05	Ppt	250	0	0		6-12 mos
	Ppt	100	0	0	N30	6-12 mos

946030102

06/05	Slow 35	500	0	0	N30	6-12 mos
04/05	Ppt	500	0	0		6-12 mos
03/05	(020) Placed for collection.			100		
01/05	Ppt	1,000	500	0		1 mo
12/04	Ppt	250	0	0		6-12 mos
	Ppt	100	100		Lease Agreemnt	
10/04	(024)	250	250			

Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed.

Payment experiences reflect how bills are met in relation to the terms granted. In some instances payment beyond terms can be the result of disputes over merchandise, skipped invoices etc.

Each experience shown is from a separate supplier. Updated trade experiences replace those previously reported.

Jump to:

Overview | Scores | Payments | History & Operations | Banking & Finance

Public Filings

PUBLIC FILINGS

The following data includes both open and closed filings found in D&B's database on the subject company.

Record Type	# of Records	Most Recent Filing Date
Bankruptcy Proceedings	0	-
Judgments	0	-
Liens	0	-
Suits	0	-
UCC's	1	06/15/2005

The following Public Filing data is for information purposes only and is not the official record. Certified copies can only be obtained from the official source.

UCC FILINGS

Collateral: All Negotiable instruments including proceeds and products - All Inventory including proceeds and products - All Account(s) including proceeds and products - All Computer equipment including proceeds and products - and OTHERS

Type: Original

946030103

Sec. party: INTERCHANGE BANK, SADDLE BROOK, NJ
Debtor: GRIGNARD COMPANY, LLC
Filing number: 23037953
Filed with: SECRETARY OF STATE/UCC DIVISION, TRENTON, NJ

Date filed: 06/15/2005
Latest Info Received: 07/05/2005

The public record items contained in this report may have been paid, terminated, vacated or released prior to the date this report was printed.

GOVERNMENT ACTIVITY

Activity summary

Borrower (Dir/Guar):	NO
Administrative debt:	NO
Contractor:	YES
Grantee:	NO
Party excluded from federal program(s):	NO

Possible candidate for socio-economic program consideration

Labor surplus area:	YES (2005)
Small Business:	YES (2006)
8(A) firm:	N/A

The details provided in the Government Activity section are as reported to Dun & Bradstreet by the federal government and other sources.

Jump to:

Overview | Scores | Payments | Public Filings | Banking & Finance

History & Operations

HISTORY

The following information was reported **03/09/2005**:

Officer(s): EMILE E GRIGNARD, MEMBER
ETIENNE GRIGNARD, MEMBER

DIRECTOR(S): THE OFFICER(S)

Business started years ago by Griko Chemical Products Inc. Corporation succeeded 1963. Present control succeeded 1963. 100% of capital stock is owned by officers. The outside stockholders own less than 10% individually.

946030104

EMILE E GRIGNARD born 1930. OCCUPATIONAL BACKGROUND: 1959 to 1963 employed by Celanese Chemical Corp, New York, NY. 1951 to 1959 employed by Cities Service Oil Co, Tulsa, OK. 1963-present active with subject.

ETIENNE GRIGNARD. Antecedents unknown.

Patricia Grignard, former sec, withdrew from subject.

Business address has changed from 900 Port Reading Ave, Port Reading, NJ, 07064 to 126 Passaic St, Newark, NJ, 07105.

Business address has changed from 126 Passaic St, Newark, NJ, 07104 to 100 Belmont Drive, Somerset, NJ, 08873.

Business address has changed from 100 Belmont Drive, Somerset, NJ, 08873 to 126 Passaic St, Newark, NJ, 07104.

BUSINESS REGISTRATION

CORPORATE AND BUSINESS REGISTRATIONS PROVIDED BY MANAGEMENT OR OTHER SOURCE

The Corporate Details provided below may have been submitted by the management of the subject business and may not have been verified with the government agency which records such data.

Registered Name: Grignard Company Inc

Business type: CORPORATION
Corporation type: PROFIT
Date incorporated: OCT 04 1963
State of incorporation: NEW JERSEY

Common stock
Authorized shares: 12,500
Par value: $10.0000

Where filed: Secretary of State, Trenton, NJ

OPERATIONS

03/09/2005

Description: Manufactures lubricating oils or greases (100%).

Terms are 1% 10 net 30 days. Has 200 account(s). Sells to distributors, the government and industrial accounts. Territory : International.

Nonseasonal.

Employees: 10 which includes officer(s).

Facilities: Rents 10,000 sq. ft. in one story brick building.

946030105

SIC & NAICS

SIC:
Based on information in our file, D&B has assigned this company an extended 8-digit SIC. D&B's use of 8-digit SICs enables us to be more specific to a company's operations than if we use the standard 4-digit code.

The 4-digit SIC numbers link to the description on the Occupational Safety & Health Administration (OSHA) Web site. Links open in a new browser window.

29920000 Lubricating oils and greases

NAICS:
324191 Petroleum Lubricating Oil and Grease Manufacturing

Jump to:
Overview | Scores | Payments | Public Filings | History & Operations

Banking & Finance

KEY BUSINESS RATIOS

D&B has been unable to obtain sufficient financial information from this company to calculate business ratios. Our check of additional outside sources also found no information available on its financial performance.
To help you in this instance, ratios for other firms in the same industry are provided below to support your analysis of this business.

Based on this number of establishments: 26

Industry Norms based on 26 establishments

	This Business	Industry Median	Industry Quartile
Profitability			
Return on Sales	UN	2.2	UN
Return on Net Worth	UN	15.6	UN
Short-Term Solvency			
Current Ratio	UN	2.1	UN
Quick Ratio	UN	1.1	UN
Efficiency			
Assets Sales	UN	41.2	UN

946030106

Sales / Net Working Capital	UN	8.2	UN
Utilization			
Total Liabs / Net Worth	UN	112.8	UN

UN = Unavailable

FINANCE

01/24/2005

On January 24, 2005, attempts to contact the management of this business have been unsuccessful. Inside sources confirmed operation and location.

CUSTOMER SERVICE

If you have questions about this report, please call our Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. If you are outside the U.S. contact your local D&B office.

*** Additional Decision Support Available ***

Additional D&B products, monitoring services and specialized investigations are available to help you evaluate this company or its industry. Call Dun & Bradstreet's Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. or visit our website at www.dnb.com.

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

946030107

EPA

ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY
(VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes, on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA, on all applications for a Federal Hazardous Waste Permit, and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ➤ NJD002201093

GRIGNARD CHEMICAL CO INC
185 FOUNDRY ST
NEWARK NJ 07105

INSTALLATION ADDRESS ➤ 195 FOUNDRY ST BLDG #7
NEWARK NJ 07105

EPA Form 8700-12B (4-80) 10/09/80

946030109

GSA No. 0246-EPA-OT

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.	NJD002201093
I. NAME OF INSTALLATION	GRIGNARD CHEMICAL CO INC
II. INSTALLATION MAILING ADDRESS	185 FOUNDRY ST NEWARK, NJ 07105
III. LOCATION OF INSTALLATION	185 FOUNDRY ST - BLDG #7 NEWARK, NJ 07105

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

DETACH

FOR OFFICIAL USE ONLY

COMMENTS

C

INSTALLATION'S EPA I.D. NUMBER	APPROVED	DATE RECEIVED (yr., mo., & day)
F NJD002201093 T/A C 31		800818

I. NAME OF INSTALLATION

Grignard Chemical Co Inc

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX

3 185 Foundry ST Bldg #7

CITY OR TOWN	ST	ZIP CODE
4 Newark NJ		07105

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER

5 185 Foundry ST Bldg #7

CITY OR TOWN	ST	ZIP CODE
6 Newark NJ		07105

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)	PHONE NO. (area code & no.)
2 Grignard Emile President	201 344 4433

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER

8 Corporation

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)

F = FEDERAL
M = NON-FEDERAL

M

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

- [ ] A. GENERATION
- [ ] B. TRANSPORTATION (complete item VII)
- [x] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only — enter "X" in the appropriate box(es))

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER (specify)

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

- [x] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

EPA Form 8700-12 (6-80)

CONTINUE ON REVERSE

946030110

I.D. – FOR OFFICIAL USE ONLY

S												T/A	C
W	N	J	D	0	0	2	2	0	1	0	9	3	2	1

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1 U226	2 U235	3	4	5	6
7	8	9	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☒ 1. IGNITABLE (D001) ☐ 2. CORROSIVE (D002) ☐ 3. REACTIVE (D003) ☐ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE *(type or print)*	DATE SIGNED
	Emile E. Grignard – President	8/18/80

EPA Form 8700-12 (6-80) REVERSE

PP

946030111

Form Approved OMB No. 158-R0175

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER: F NJD002201093 3

LABEL ITEMS

I. EPA I.D. NUMBER	NJD002201093
III. FACILITY NAME	
V. FACILITY MAILING ADDRESS	GRIGNARD CHEMICAL CO INC 185 FOUNDRY ST NEWARK, NJ 07105
VI. FACILITY LOCATION	185 FOUNDRY ST NEWARK, NJ 07105

GENERAL INSTRUCTIONS

If a preprinted label has been provided, aff it in the designated space. Review the infor ation carefully; if any of it is incorrect, cro through it and enter the correct data in th appropriate fill-in area below. Also, if any the preprinted data is absent (*the area to t left of the label space lists the informatic that should appear*), please provide it in th proper fill-in area(s) below. If the label complete and correct, you need not comple Items I, III, V, and VI (*except VI-B whic must be completed regardless*). Complete a items if no label has been provided. Refer t the instructions for detailed item descri tions and for the legal authorizations und which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK X YES	MARK X NO	MARK X FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge to waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility (*either existing or proposed*) include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge to waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges to waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility (*other than those described in A or B above*) which will result in a **discharge to waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store or dispose of **hazardous wastes**? (FORM 3)	X		
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP GRIGNARD CHEMICAL COMPANY INC

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 GRIGNARD EMILE PRESIDENT	201 394 4433

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 185 FOUNDRY ST

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 NEWARK	NJ	07105

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 185 FOUNDRY ST

B. COUNTY NAME

ESSEX

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 NEWARK	NJ	07105	

EPA Form 3510-1 (6-80)

CONTINUE ON REVERSE

946030112

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
C 7 (specify)	C 7 (specify)
C. THIRD	**D. FOURTH**
C 7 (specify)	C 7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: C 8 GRIGNARD CHEMICAL CO. Inc

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
E = FEDERAL, M = PUBLIC (other than federal or state), S = STATE, O = OTHER (specify), P = PRIVATE
P (specify)

D. PHONE (area code & no.): C A 201 344 4423

E. STREET OR P.O. BOX: 100 FOUNDRY ST

F. CITY OR TOWN: C B NEWARK

G. STATE: NJ

H. ZIP CODE: 07105

IX. INDIAN LAND
Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): C 9 N NONE	D. PSD (Air Emissions from Proposed Sources): C 9 P
B. UIC (Underground Injection of Fluids): C 9 U NONE	E. OTHER (specify): C 9 (specify)
C. RCRA (Hazardous Wastes): C 9 R NONE	E. OTHER (specify): C 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. F9 10/50

XII. NATURE OF BUSINESS (provide a brief description)

Manufacturing of metal working fluid used in cutting & forming & lubricants

F9 A/ST

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Emile E. Grignard	[signature]	3/17/81

COMMENTS FOR OFFICIAL USE ONLY

C

PA Form 3510-1 (6-80) REVERSE

946030113

FORM 3 RCRA

EPA

HAZARDOUS WASTE PERMIT APPLICATION

U.S. ENVIRONMENTAL PROTECTION AGENCY

Consolidated Permits Program

(This information is required under Section 3005 of RCRA)

I. EPA I.D. NUMBER: F N J 0 0 0 2 2 0 1 0 9 3 3

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

C.	YR.	MO.	DAY
8	63	07	10

☐ 2. NEW FACILITY (Complete item below.)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY — For each code entered in column A, enter the capacity of the process.
1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR, GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided, Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below) - A facility has two storage tanks; one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

G	D	U	P				

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
1	S01	2000000	G		7				
2					8				
3					9				
4					10				

946030114

Continued from the front.

III. PROCESSES *(continued)*

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. **EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. **ESTIMATED ANNUAL QUANTITY** — For each **listed waste** entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each **characteristic** or **toxic contaminant** entered in column A estimate the total annual quantity of all the non-listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. **UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. **PROCESSES**

1. PROCESS CODES:
   For listed hazardous waste: For each **listed** hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.
2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				*included with above*

 CONTINUE ON PAGE 3

946030115

NOTE: Photocopy this page before completing if you have more than 26 wastes to list. Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W NJD002201093	W DUP 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	U226	2000000	P	S01	used as metal parts
2					cleaner by customer
3					& as a non Flamab
4					diluent or carrier
5					in our Finish product
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

EPA Form 3510-3 (6-80) CONTINUE ON REVERS

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

946030116

IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

F6: N/55 F6: N/56

EPA I.D. NO. *(enter from page 1)*

F NJD002201093 T/A 36

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground-level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*

VIII. FACILITY OWNER

☐ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E Grignard Chemical Co. Inc	201-344-4433

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F 185 Foundry St	G Newark	NJ	07105

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
Emile E. Grignard	[signature]	3/7/81

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
Emile E. Grignard	[signature]	3/7/81

 CONTINUE ON PAGE 5

946030117

GRIGNARD CHEMICAL CO., INC.
185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 • TELEPHONE 201-344-4433

August 24, 1981

Information Services
EPA Region # 2
26 Federal Plaza
New York, New York 10278

Attn: Mrs. Cooper

Dear Mrs. Cooper:

In regards to our conversation concerning the storage of hazardous material classified by EPA, I have enclosed our location data you requested.

Our location is 185 Foundry Street, Newark, New Jersey, 07105, Bldg. # 7. It's longitude is 40°44" North and Latitude 74°7"59 sec. West. The Topographic map and photos are attached.

If you require additional information please contact me.

Very truly yours,

Emile E. Grignard

EEG:pg
enc.

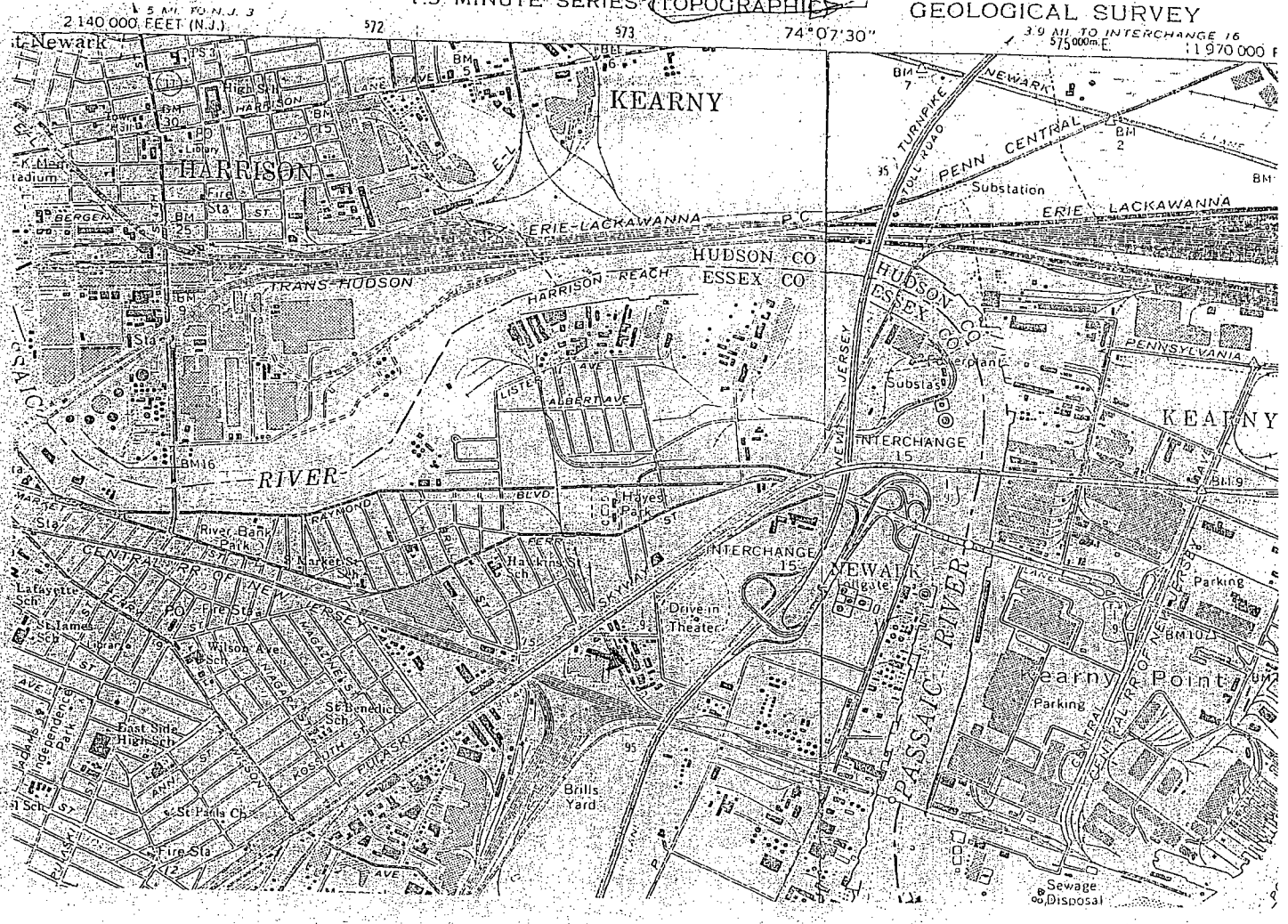
946030118

Latitude 74°7'59sec West

Grignard Chemical

ELIZABETH QUADRANGLE
NEW JERSEY–NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



946030119

R– –MgX

GRIGNARD CHEMICAL CO., INC.

185 FOUNDRY STREET, NEWARK, NEW JERSEY 07105 • TELEPHONE 201-344-4433

– Input as a non-handler CS03-1
– Company Name misspelled p/s correct
Send Ack. letter

September 21, 1981

Mr. Harry Ruisi
Permits Administration Branch
U.S. EPA, Region II
26 Federal Plaza
New York, New York

NJD002201093

Dear Mr. Ruisi:

I would like to withdraw my TSDF status application and retain my generator status.

Your inspector, Mr. Elmendorf, informed me that since I blend new raw materials and do not have any waste I wouldn't be in the toxic waste category.

The only time I would have toxic waste is if my chlorinated hydrocarbons became contaminated and I would have to ship it to be reclaimed or disposed of.

Thank you for your assistance.

Very truly yours,

Emile E. Grignard

TT Input to HWDMS 7/27/82

EEG:pg
CC. C.H. Elmendorf

PAB SEP 24 1 08 AM '81 ENVIRONMENTAL PROTECTION AGENCY NEW YORK, N.Y. 10007

No hazardous waste at all off-spec batches are corrected and then processed

TT 7/1/82 – Company input as a hazardous waste non-handler

946030120

NJD002201093

GRIGNARD CHEMICAL CO INC
[illegible] FOUNDRY ST
[illegible], NJ 07[illegible]

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY
DIVISION OF ENFORCEMENT FIELD OPERATIONS
Metro Bureau of Water and Hazardous Waste Enforcement
2 Babcock Place, West Orange, N.J. 07052
(201) 669-3900

DEC 07 1993

Dear Generator:

The New Jersey Department of Environmental Protection and Energy has reviewed its data base listing the amount of hazardous waste manifested off site by regulated generators. Our review indicates that your facility may fall into one of the following categories:

A) Small Quantity Generator

B) One time clean up of a hazardous waste discharge

If your facility does not generate hazardous waste and you wish to deactivate your EPA identification number, prefixed by the letters NJD or NJT, please contact the Bureau of Advisement and Manifest at the address listing below:

New Jersey Department of Environmental Protection & Energy
Division of Hazardous Waste Regulation
Bureau of Advisement & Manifest
401 East State Street, CN 028
Trenton, N.J. 08625

If your facility does generate hazardous waste, **but never in** quantities greater than 100 kilograms (220 pounds) of listed or characteristic waste, or 1 kilogram (2.2 pounds) of acutely hazardous waste, or 1001 gallons of waste oil **in any one month**, you may wish to deactivate your fully regulated generator (NJD) number and replace it with a small quantity generator (NJX number. Applications for the (NJX) number can be obtained by calling Ms. Becky Bonfonti at (609) 292-7081.

Should you decide to retain your fully regulated generator number, your company will be subject to inspections and fees pursuant to N.J.A.C. 7:26-4A.

Should you have any questions concerning this matter, please call Mr. Jeffrey Sterling, Section Chief, at (201) 669-3900.

Sincerely,

Peter T. Lynch, Chief
Metro Bureau of Water and
Hazardous Waste Enforcement

1/R = 1.07
02/22/95 BO

946030121

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON
DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

03 MAR 1983

Grignard Chemical Co., Inc.
Emile Grignard, President
185 Foundry Street
Newark, NJ 07105

RE: Facility Operating Status

Dear Sir:

The Bureau of Hazardous Waste Engineering has reviewed your company's response to the Notice of Violation, Failure to Submit Annual Report. The Bureau finds that the response contains adequate information to determine the operating status of this facility with respect to N.J.A.C. 7:26-1 et seq., the New Jersey Hazardous Waste Management Regulations. The Bureau has determined that the company's hazardous waste treatment, storage or disposal facility as delineated in the company's RCRA Part A application and identified by the following EPA ID Number:

gH
WDMS
3/10/83

EPA ID NO. NJD002201093

has been excluded from regulations under N.J.A.C. 7:26-1.1 et seq. because your facility accumulates hazardous waste on-site for less than 90 days. This exclusion classifies your facility solely as a generator provided the following conditions are complied with:

1. All such waste is, within 90 days or less, shipped off-site to an authorized facility or placed in an on-site authorized facility, as defined at N.J.A.C. 7:26-1.4.

2. The waste is placed in containers which meet the standards of N.J.A.C. 7:26-7.2 and are managed in accordance with N.J.A.C. 7:26-9.4(d).

3. The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

4. The generator complies with the requirements for owners and operators of N.J.A.C. 7:26-9.6 and 9.7 concerning preparedness and prevention, contingency plans and emergency procedures as well as N.J.A.C. 7:26-9.4(g) concerning personnel training.

New Jersey Is An Equal Opportunity Employer

5. For bulk accumulation of dry hazardous waste materials, the waste pile is managed according to the following:

(i) The waste pile is no larger than 200 cubic yards; and

(ii) The pile shall be placed on an impermeable base that is compatible with the waste; and

(iii) Run-on shall be diverted away from the pile; and

(iv) Any leachate and run-off from the pile must be collected and managed as a hazardous waste.

This written acknowledgement of the exclusion of the above identified facility from N.J.A.C. 7:26-1 et seq. is based expressly on the review of the aforementioned correspondence. This letter makes no claim as to the extent and physical condition of the actual hazardous waste activities occuring at the site mentioned above.

Your company's hazardous waste facility above is no longer included in DEP's list of "existing facilities" (see N.J.A.C. 7:26-1.4 and 12.3) and therefore does not need to conform with the interim operating requirments of N.J.A.C. 7:26-1 et seq. for "existing facilities" which would include the TSD facility annual report. It is the company's responsibility to operate within the conditions listed above. To operate a hazardous waste facility without prior approval from the DEP is a violation of the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq.

As a result of the conclusions previously made, the Notice of Violation entitled "Failure to Submit Annual Report" signed by Mr. David Shotwell is rescinded and need not be complied with.

If you have any questions on this matter, please call my office at (609) 292-9880.

Very truly yours,

Frank Coolick

Frank Coolick, Chief
Bureau of Hazardous Waste Engineering

FC:jb

cc Dave Shotwell
NJDEP, Division of Waste Management

Tom Taccone
USEPA, Region II

COMPANY NAME: Aluminum Shapes HWC REVIEW DATE: 4/18/90

FACILITY LOCATION: Delair COUNTY: Camden STATE: NJ.

REVIEWER'S NAME: J. SANDERSON ID NO. NJD002 338267

PA REPORT DATE: 3/29/90

COMPANY MANUFACTURING OPERATION DESCRIPTION AND DURATION OF OPERATION:

aluminum extrusion; etching & painting of parts

HAZARDOUS WASTE GENERATED: paint waste, etch ~~sl~~ waste (contains hex. chrome)

REGULATORY STATUS: unclear from report but never had interim status.

REGULATED UNITS ON SITE:

oil sump (NJPDES RECULATED ~~[illegible]~~) - Permit limits exceeded for chrome & several other constituents.

SOLID WASTE MANAGEMENT UNITS ON SITE (pre-Nov. 19, 1980):

S I (may have received paint-line process wastewater? - solvent, chrome, lead) drum storage (IWMF)

NATURE OF ANY RELEASES:

RELEASE INFORMATION-BY SOLID WASTE MANAGEMENT UNIT/REGULATED UNIT:

Sites not reviewed

S I - unlined

oil sump - no real containment of material

transformer storage area - stained soil noted - DWR and corr. action - status unknown

waste oil spill area - DWR ordered C/A - status unknown

946030124

ENVIRONMENTAL SETTING AND IMPACTS:

- RESIDENTIAL @ least 10,000 people within 3 miles are serviced by wells
- INDUSTRIAL yes - 2 industrial-use wells within 3 mi.
- GROUNDWATER USE (drinking water supply, sole source aquifer, etc.)

  32 public wells within 3 mi. - Nearest drinking well is .35 mi.
- SURFACEWATER
- SOIL AND AIR

INVOLVEMENT OF OTHER REGULATORY AGENCIES/PROGRAMS:

DWR - see page 1

COMMENTS:

Would be high priority but never had int. status.

Should it have had? → may warrant SI high priority

RECOMMENDATION FOR FURTHER ACTION, INCLUDING PRIORITY:

None

946030125

COMPANY NAME:

GIGNARD CHEMICAL COMPANY

HWC REVIEW DATE: 4/18/90

FACILITY LOCATION: Newark

COUNTY: Essex

STATE: New Jersey

REVIEWER'S NAME: Samuel Ezekwo

ID NO. NJD002201093

PA REPORT DATE: June 29, 1989

COMPANY MANUFACTURING OPERATION DESCRIPTION AND DURATION OF OPERATION:

HAZARDOUS WASTE GENERATED:

Chlorinated hydrocarbons

REGULATORY STATUS:

Generator only

REGULATED UNITS ON SITE:

Drum storage area

SOLID WASTE MANAGEMENT UNITS ON SITE (pre-Nov. 19, 1980):

None

NATURE OF ANY RELEASES:

RELEASE INFORMATION-BY SOLID WASTE MANAGEMENT UNIT/REGULATED UNIT:

None

946030126

ENVIRONMENTAL SETTING AND IMPACTS:

- RESIDENTIAL

  The nearest residential area is about 0.5 miles from the site.

- INDUSTRIAL

  Facility is located on a large industrial area

- GROUNDWATER USE (drinking water supply, sole source aquifer, etc.)

  Groundwater used for industrial cooling water only

- SURFACEWATER

  3,000 feet from Passaic River

- SOIL AND AIR

INVOLVEMENT OF OTHER REGULATORY AGENCIES/PROGRAMS:

COMMENTS:

RECOMMENDATION FOR FURTHER ACTION, INCLUDING PRIORITY:

Does not appear to be release.
No site visit to confirm

RCRA REVIEW

AC NAME: Grignard Chem Co.
CRA ID #: NJD002201093
ATE 9-17-81
YPE TSDF
USP. NAME CHAS ELMENDORF

FINDINGS:

Co should not be reg. as a TSDF, I recommended to Pres that he withdraw TSD status and maintain a gen status in case a bad batch had to be disposed of. Co produces no waste otherwise only operation is blending of solvents

JAN 11 2 10 11 '82
NEW YORK, N.Y. 10007

946030128

RCRA TREATMENT, STORAGE AND DISPOSAL FACILITY INSPECTION FORM
FOR TSD FACILITIES ONLY

COMPANY NAME: Grignard Chemical EPA I.D. Number:

COMPANY ADDRESS: 185 Foundry st Newark.

COMPANY CONTACT OR OFFICIAL: Emile Grignard

TITLE: President.

OTHER ENVIRONMENTAL PERMITS HELD BY FACILITY: /_/ NPDES /_/ AIR /_/ OTHER

INSPECTOR'S NAME: Chuck Elmendorf DATE OF INSPECTION: 9-17-81

BRANCH/ORGANIZATION: DSDEP Bureau Haz Waste TIME OF DAY INSPECTION TOOK PLACE: 2:00

(1) Is there reason to believe that the facility has hazardous waste on site? NO

a. If yes, what leads you to believe it is hazardous waste? Check appropriate box:

/_/ Company admits that its waste is hazardous during the inspection.

/_/ Company admitted the waste is hazardous in its RCRA notification and/or Part A Permit Application.

/_/ The waste material is listed in the regulations as a hazardous waste from a nonspecific source (§261.31)

/_/ The waste material is listed in the regulations as a hazardous waste from a specific source (§261.32)

/_/ The material or product is listed in the regulations as a discarded commercial chemical product (§261.33)

/_/ EPA testing has shown characteristics of ignitability, corrosivity, reactivity or extraction procedure toxicity, or has revealed hazardous constituents (please attach analysis report)

/_/ Company is unsure but there is reason to believe that waste materials are hazardous. (Explain)

	YES	NO	DON'T KNOW
b. Is there reason to believe that there are hazardous wastes on-site which the company claims are merely products or raw materials?		^	

Please explain: Company only blends solvents

946030129

EPA United States Environmental Protection Agency

Handler Information

RCRA Info

GIGNARD CHEMICAL CO INC NEWARK NJD002201093

Select the information to process

Basic Handler Information

Handler Id	Handler Name	Facility Identifier	Extract Flag	Region	State	Universes
NJD002201093	GIGNARD CHEMICAL CO INC		X	02	NJ	

Previous Name Information

Act Loc	Receive Date	Handler Name

Location Address Information

Act Loc	Street No	Street	City	County	State	Zip	Land Type	State District
NJ	185	FOUNDRY ST	NEWARK	ESSEX	NJ	07105		METRO

Mailing Address Information

Act Loc	Street No	Street	City	State	Zip
NJ	185	FOUNDRY ST	NEWARK	NJ	07105

Contact Information

Act Loc	Type	Title	First Name	Last Name	Phone	Street	City	State	Zip
NJ	A	PRESIDENT	EMILE	GRIGNARD	973-344-4433	185 FOUNDRY ST	NEWARK	NJ	07105
NJ	N	PRESIDENT	EMILE	GRIGNARD	973-344-4433	185 FOUNDRY ST	NEWARK	NJ	07105

Owner Information

Act Loc	Seq	Indicator	Type	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip
NJ	1	CO	P		GRIGNARD CHEMICAL CO INC	973-344-4423	185 FOUNDRY ST	NEWARK	NJ	07105

Operator Information

Act Loc	Seq	Indicator	Type	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip
NJ	2	CP	P		GRIGNARD CHEMICAL CO INC	973-344-4423	185 FOUNDRY ST	OPERCITY	NJ	99999

Miscellaneous Information

Act Loc	Previous Id	Second Id	Ack Flag	Ack Date	River Basin	TSD Date	Non-notifier	Off-site receipt	Accessibility
NJ				10/9/1980		1/1/1101			

Location Coordinates

Act Loc	Source	Latitude Measure	Longitude Measure
NJ	A	40 44 00.0	074 07 59.0

946030130

Environmental Priority Ranking

Act Loc	EPR Date	EPR Status	EPR Notes

SIC Information

Act Loc	Seq	Source	Code	Primary
NJ	0001	R	2992	P

Other Permit Information

Act Loc	Number	Type	Permit Description

Activity Summary Information

Act Loc	Source	Seq	Receipt Date	Gen - Fed Reg	Trans - Fed Reg	TSD - Fed Reg	HW Fuel - Fed Reg	Used Oil - Fed Reg	UIC	Recy
NJ	A	1	11/19/1980			N - N				
NJ	E	1	2/22/1995	LQG - N						
NJ	N	1	8/18/1980	LQG - R						

Hazardous Waste Stream Information

Act Loc	Sequence	Source	Date	Amount	Unit of Measure	Desc
NJ	0001	A	11/19/1980	1.814	M	
NJ	0001	E	2/22/1995	0		
NJ	0001	N	8/18/1980	0		

Go To

URL: /Handler/HAND_info_main.asp

946030131

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Facility Information | Report Error

Overview | EZ Query | Query | Model | Feedback | EF Home

Facility Detail Report

Facility Name:	GIGNARD CHEMICAL COMPANY INCORPORATED
Location Address:	185 FOUNDRY STREET
Supplemental Address:	
City Name:	NEWARK
State:	NJ
County Name:	ESSEX
ZIP/Postal Code:	07105
EPA Region:	02
Congressional District Number:	13
Legislative District Number:	ME
HUC Code:	02030103
Federal Facility:	NO
Tribal Land:	NO
DUNS Company Number:	
Latitude:	40.728408
Longitude:	-74.132816
Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point Description:	PLANT ENTRANCE (GENERAL)

Report Facility Discrepancy

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date
RCRAINFO	NJD002201093	NO UNIVERSE SPECIFIED	EPA INSPECTION	02/22/1995

Facility Mailing Addresses

946030132

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO
OPERATOR	185 FOUNDRY ST	OPERCITY	NJ	99999	RCRAINFO
OWNER	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO
REGULATORY CONTACT	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO

NAICS Codes

No NAICS Codes returned.

SIC Codes

Data Source	SIC Code	Description	Primary	Report Discrepancy
RCRAINFO	2992	LUBRICATING OILS AND GREASES		Report

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
REGULATORY CONTACT	EMILE GRIGNARD	9733444433	RCRAINFO	View	Report

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OPERATOR	GRIGNARD CHEMICAL CO INC		RCRAINFO	View	Report
OWNER	GRIGNARD CHEMICAL CO INC		RCRAINFO	View	Report

Alternative Names

Alternative Name
GIGNARD CHEM

Query executed on: APR-23-2002

946030133

946030134

Decide with Confidence

Comprehensive Report

To save report(s) to your PC, click here for instructions.

Print this Report

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

ATTN: **JHB LPRSA TASK 7**

Report Printed: FEB 08 2006

Overview

BUSINESS SUMMARY

HONIG CHEMICAL & PROCESSING CORPORATION
414 Wilson Ave # 2
Newark, NJ 07105

D&B D-U-N-S Number: 05-509-0161

Now Included with this Report NEW!

D&B's Credit Limit Recommendation
How much credit should you extend?
Learn More — **View Now**

Payment Trends Profile
Payment trends and industry benchmarks
Jump to Payment Trends

This is a **single** location.

lephone:	973 344-0881
Fax:	973 344-5743
Chief executive:	ROBERT HONIG, PRES
Year started:	1970
Employs:	32
History:	CLEAR
SIC:	2869
Line of business:	Mfg industrial organic chemicals

Credit Score Class: 3

Moderate risk of severe payment delinquency over next 12 months

High — Moderate — Low
5 4 3 2 1

Financial Stress Class: 1

Low risk of severe financial stress over the next 12 months

High — Moderate — Low
5 4 3 2 1

D&B Rating: --

D&B EXCLUSIVE

EXECUTIVE SUMMARY

The **Financial Stress Class of 1** for this company shows that during the previous year, firms with this classification had a failure rate of 0.49% (49 per 10,000), which is lower than the national average.

The **Credit Score class of 3** for this company shows that during the previous year, 12.3% of the firms with this classification paid one or more bills severely delinquent, which is lower than the national average.

Predictive Scores	This Business	Comments
ancial Stress Class	1	Failure Rate lower than the national average
inancial Stress Score	1490	Highest Risk: 1,001; Lowest Risk: 1,850
Credit Score Class	3	Probability of Severely Delinquent Payment is lower than the national average.

946030136

Other Key Indicators

Industry Median	11 days beyond terms
Present management control	36 years
C Filings	UCC filing(s) are not reported for this business
ublic Filings	No record of open Suit(s), Lien(s), or Judgment(s) in the D&B database
History	Is clear

CREDIT CAPACITY SUMMARY

D&B Rating:--

The blank rating symbol should not be interpreted as indicating that credit should be denied. It simply means that the information available to D&B does not permit us to classify the company within our rating key and that further enquiry should be made before reaching a decision. Some reasons for using a "-" symbol include: deficit net worth, bankruptcy proceedings, insufficient payment information, or incomplete history information. For more information, see the D&B Rating Key.

# of Employees Total: 32

Payment Activity:
(based on 3 experiences)

Average High Credit:	$19,200
Highest Credit:	$55,000
Total Highest Credit:	$57,600

Jump to:

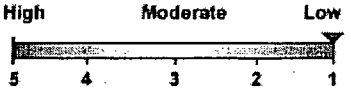
Overview | Payments | Public Filings | History & Operations | Banking & Finance

Scores D&B EXCLUSIVE

FINANCIAL STRESS SUMMARY

The Financial Stress Summary Model predicts the likelihood of a firm ceasing business without paying all creditors in full, or reorganization or obtaining relief from creditors under state/federal law over the next 12 months. Scores were calculated using a statistically valid model derived from D&B's extensive data files.

Financial Stress Class: 1



Low risk of severe financial stress, such as a bankruptcy, over the next 12 months.

Incidence of Financial Stress

Among Businesses with this Classification:	0.49% (49 per 10,000)
National Average	1.40% (140 per 10,000)

Financial Stress National Percentile: 81 (Highest Risk: 1; Lowest Risk: 100)

Financial Stress Score: 1490 (Highest Risk: 1,001; Lowest Risk: 1,850)

946030137

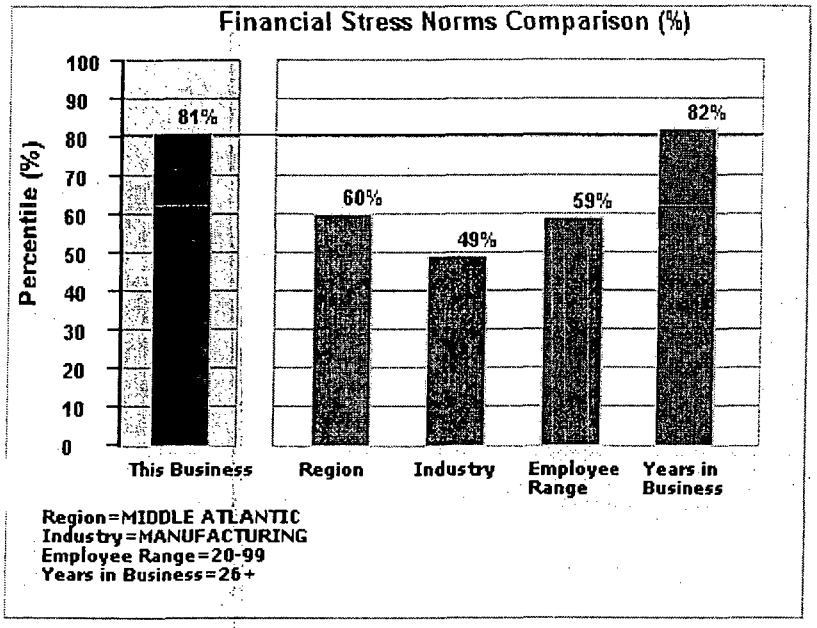
Financial Stress Class of this business is based on the following factors:

- No record of open suit(s), lien(s), or judgement(s) in the D&B files.
- 33% of trade experiences indicate slow payment(s) are present.
- Control age or date entered in D&B files indicates lower risk.

- Business owns facilities.

Notes:

- The Financial Stress Class indicates that this firm shares some of the same business and financial characteristics of other companies with this classification. It does not mean the firm will necessarily experience financial stress.
- The Incidence of Financial Stress shows the percentage of firms in a given Class that discontinued operations over the past year with loss to creditors. The Incidence of Financial Stress - National Average represents the national failure rate and is provided for comparative purposes.
- The Financial Stress National Percentile reflects the relative ranking of a company among all scorable companies in D&B's file.
- The Financial Stress Score offers a more precise measure of the level of risk than the Class and Percentile. It is especially helpful to customers using a scorecard approach to determining overall business performance.
- All Financial Stress Class, Percentile, Score and Incidence statistics are based on 2002.



Norms	National %
This Business	81
Region: **MIDDLE ATLANTIC**	60
Industry: **MANUFACTURING**	49
Employee Range: **20-99**	59
Years in Business: **26+**	82

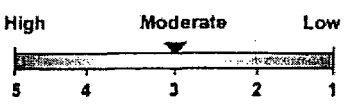
This business has a Financial Stress Percentile that shows:

- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Higher risk than other companies with a comparable number of years in business.

CREDIT SCORE CLASS SUMMARY

The Credit Score class predicts the likelihood of a firm paying in a severely delinquent manner (90+ Days Past Terms) over the next twelve months. It was calculated using statistically valid models and the most recent payment information in D&B's files.

Credit Score Class: **3**



Moderate risk of severe payment delinquency over next 12 months.

Incidence of Delinquent Payment

›ng Companies with this Classification: 12.30%

Credit Score Percentile: **41** (Highest Risk: 1; Lowest Risk: 100)

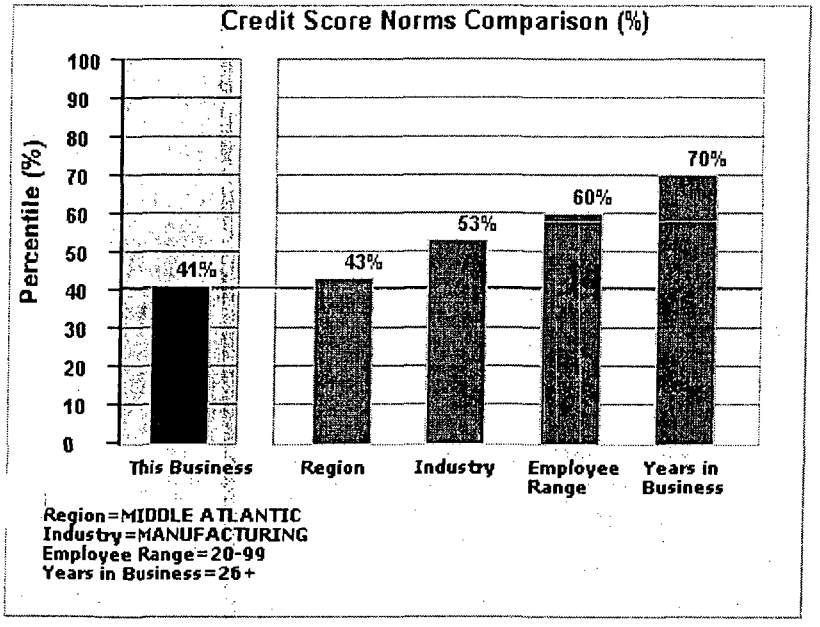
946030138

The Credit Score Class of this business is based on the following factors:

- 33% of trade experiences indicate slow payment(s) are present.
- Control age or date entered in D&B files indicates lower risk.
- No record of open suit(s), lien(s), or judgments(s) in the D&B files.

Notes:

- The Incidence of Delinquent Payment is the percentage of companies with this classification that were reported 90 days past due or more by creditors. The calculation of this value is based on an inquiry weighted sample.
- The Percentile ranks this firm relative to other businesses. For example, a firm in the 80th percentile has a lower risk of paying in a severely delinquent manner than 79% of all scorable companies in D&B's files.



Norms	National %
This Business	41
Region: **MIDDLE ATLANTIC**	43
Industry: **MANUFACTURING**	53
Employee Range: **20-99**	60
Years in Business: **26+**	70

This business has a Credit Score Percentile that shows:

- Higher risk than other companies in the same region.
- Higher risk than other companies in the same industry.
- Higher risk than other companies in the same employee size range.
- Higher risk than other companies with a comparable number of years in business.

Jump to:

Overview | Scores | Public Filings | History & Operations | Banking & Finance

Payments ☑ D&B EXCLUSIVE

PAYMENT TRENDS

Total Payment Experiences in D&B's File:	3
Payments Within Terms: (not dollar weighted)	N/A
tal Placed For Collection:	0
Average Highest Credit:	$19,200

Current PAYDEX is:		unavailable
Industry Median is:	**73**	equal to 11 days beyond terms
Payment Trend currently is:		unavailable

Indications of slowness can be the result of dispute over merchandise, skipped invoices, etc. Accounts are sometimes placed for collection even though the existence or amount of

946030139

Largest High Credit:	$55,000	the debt is disputed.
Highest Now Owing:	$1,000	
Highest Past Due:	$0	

946030140

PAYDEX Scores

D&B has not received a sufficient sample of payment experiences to establish a PAYDEX score.

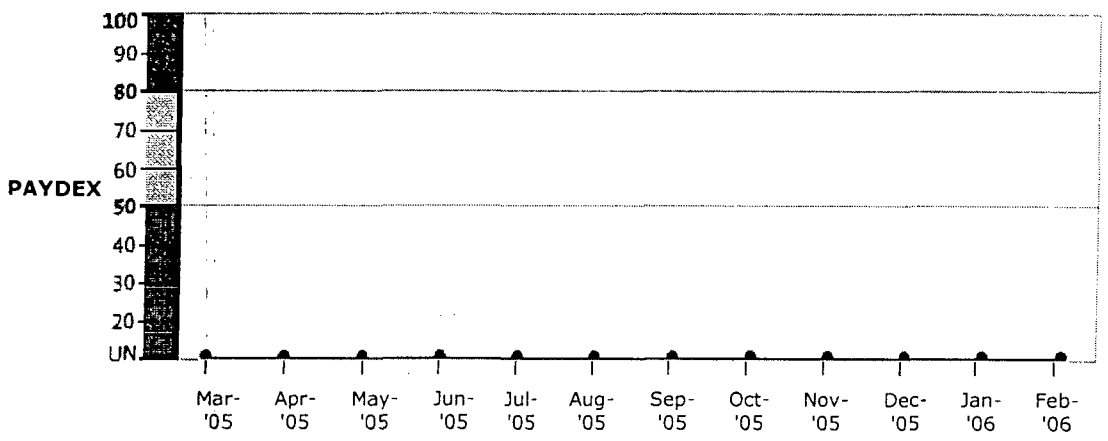
'B receives nearly 400 million payment experiences each year. We enter these new and updated experiences) D&B Reports as this information is received. At this time, none of those experiences relate to this company.

PAYDEX Yearly Trend

12 Month PAYDEX Scores Comparison to Industry

	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06
This Business	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN
Industry Quartiles												
Upper	78			78			78			78		
Median	73			73			73			73		
Lower	66			66			66			66		

Shows the trend in D&B PAYDEX scoring over the past 12 months.



Last 12 Months

Based on payments collected over the last 12 months.

- Current PAYDEX for this Business is unavailable.

PAYDEX Comparison to Industry

Shows PAYDEX scores of this Business compared to the Primary Industry from each of the last four quarters. The Primary Industry is Mfg industrial organic chemicals, based on SIC code 2869.

Quarterly PAYDEX Scores Comparison to Industry

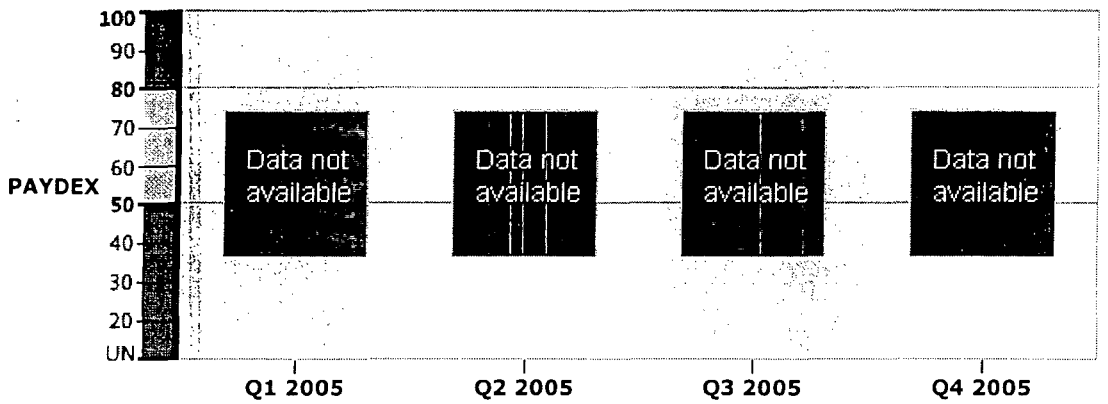
Previous Year

	3/04	6/04	9/04	12/04
This Business	53	UN	UN	UN
)ustry Quartiles				
Upper	78	78	78	78
Median	72	73	73	73
Lower	65	65	66	66

Current Year

	3/05	6/05	9/05	12/05
This Business	UN	UN	UN	UN
Industry Quartiles				
Upper	78	78	78	78
Median	73	73	73	73
Lower	66	66	66	66

946030141



Last 12 Months

Based on payments collected over the last 4 quarters.

Score Comparison Key:	▷ This Business	▲ Industry upper quartile
		■ Industry median
		▼ Industry lower quartile

- Current **PAYDEX** for this Business is unavailable
- The present industry **median score** is **73**, or equal to 11 days beyond terms.

- Industry upper quartile represents the performance of the payers in the 75th percentile
  Industry lower quartile represents the performance of the payers in the 25th percentile

Payment Habits

For all payment experiences within a given amount of credit extended, shows the percent that this Business paid within terms. Provides number of experiences used to calculate the percentage, and the total dollar value of the credit extended.

$ Credit Extended	% of Payments Within Terms	# Payment Experiences	$ Total Dollar Amount
Over 100,000	0%	0	$0
50,000-100,000	0%	1	$55,000
15,000-49,999	0%	0	$0
5,000-14,999	0%	0	$0
1,000-4,999	100%	1	$2,500
Under 1,000	100%	1	$100

0% 50% 100%

ed on payments collected over the last 12 months.

Payment experiences reflect how bills are met in relation to the terms granted. In some instances, payment beyond terms can be the result of disputes over merchandise, skipped invoices, etc.

946030142

PAYMENT SUMMARY

D&B has not received a sufficient sample of payment experiences to establish a PAYDEX score.

The Payment Summary section reflects payment information in D&B's file as of the date of this report.

There are 3 payment experiences in D&B's file for the most recent 12 months, with 2 experiences reported during the last three month period.

Below is an overview of the company's dollar-weighted payments, segmented by its suppliers' primary industries:

	Total Rcv'd (#)	Total Dollar Amts ($)	Largest High Credit ($)	Within Terms (%)	Days Slow <31 (%)	31-60 (%)	61-90 (%)	90> (%)
Top industries:								
Mfg pesticides	1	55,000	55,000	0	0	100	0	0
Nonclassified	1	2,500	2,500	100	0	0	0	0
Radiotelephone commun	1	100	100	100	0	0	0	0
Other payment categories:								
Cash experiences	0	0	0					
Payment record unknown	0	0	0					
Unfavorable comments	0	0	0					
Placed for collections:								
With D&B	0	0	0					
Other	0	N/A	0					
Total in D&B's file	3		55,000					

The highest **Now Owes** on file is $1,000 The highest **Past Due** on file is $0

Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed. Indications of slowness can be result of dispute over merchandise, skipped invoices, etc.

PAYMENT DETAILS

Detailed payment history

Date Reported (mm/yy)	Paying Record	High Credit ($)	Now Owes ($)	Past Due ($)	Selling Terms	Last Sale Within (months)
12/05	Ppt	2,500	1,000	0		1 mo
11/05	Slow 60	55,000	0	0		6-12 mos
02/05	Ppt	100	0	0	N30	6-12 mos

Payment experiences reflect how bills are met in relation to the terms granted. In some instances payment beyond terms can be the result of disputes over merchandise, skipped invoices etc.

Each experience shown is from a separate supplier. Updated trade experiences replace those previously reported.

Jump to:

Overview | Scores | Payments | History & Operations | Banking & Finance

946030143

Public Filings

PUBLIC FILINGS

A check of D&B's public records database indicates that no filings were found for HONIG CHEMICAL & PROCESSING CORPORATION at 414 Wilson Ave # 2, Newark NJ.

D&B's extensive database of public record information is updated daily to ensure timely reporting of changes and additions. It includes business-related suits, liens, judgments, bankruptcies, UCC financing statements and business registrations from every state and the District of Columbia, as well as select filing types from Puerto Rico and the U.S. Virgin Islands.

3 collects public records through a combination of court reporters, third parties and direct electronic links with eral and local authorities. Its database of U.S. business-related filings is now the largest of its kind.

GOVERNMENT ACTIVITY

Activity summary

Borrower (Dir/Guar):	NO
Administrative debt:	NO
Contractor:	NO
Grantee:	NO
Party excluded from federal program(s):	NO

Possible candidate for socio-economic program consideration

Labor surplus area:	YES (2005)
Small Business:	YES (2006)
8(A) firm:	N/A

The details provided in the Government Activity section are as reported to Dun & Bradstreet by the federal government and other sources.

Jump to:

Overview | Scores | Payments | Public Filings | Banking & Finance

History & Operations

HISTORY

following information was reported **10/26/2005**:

Officer(s): ROBERT HONIG, PRES
ELOISE HONIG, SEC

DIRECTOR(S): THE OFFICER(S)

Business started 1970 by the officers. 100% of capital stock is owned by the officers.

ROBERT HONIG born 1928. 1949-56 employed by Chemo Puro Mfg Co, Long Island, NY. 1956-70 employed by Tennart Chemical Co and Sun Chemical Corp, New York, NY, until purchase of the subject in 1970. 1970-present active here.

ELOISE HONIG born 1930, not active here. Antecedents not available.

Affiliate:
The following is related through common ownership and/or financial interest. Jarchem Inc, Newark, NJ, started 1978. DUNS #09-222-5234. Operates as manufacturer of acetate chemicals. Intercompany relations: None reported by management.

BUSINESS REGISTRATION

CORPORATE AND BUSINESS REGISTRATIONS PROVIDED BY MANAGEMENT OR OTHER SOURCE

The Corporate Details provided below may have been submitted by the management of the subject business and may not have been verified with the government agency which records such data.

istered Name: Honig Chemical & Processing Corp

Business type: CORPORATION **Common stock**

946030144

Corporation type:	PROFIT	Authorized shares:	1,000
Date incorporated:	DEC 02 1970	Par value:	NO PAR VALUE
State of incorporation:	NEW JERSEY		

Where filed: Secretary of State, Trenton, NJ

OPERATIONS

10/26/2005

Description: Manufactures industrial organic chemicals (100%).

Terms are net 30 days. Has 10+ account(s). Sells to wholesalers. Territory : Statewide.

Nonseasonal.

Employees: 32 which includes officer(s).

Facilities: Owns 70,000 sq. ft. in a two story concrete block building.

Location: Industrial section on well traveled street.

SIC & NAICS

SIC:
Based on information in our file, D&B has assigned this company an extended 8-digit SIC. D&B's use of 8-digit SICs enables us to be more specific to a company's operations than if we use the standard 4-digit code.

The 4-digit SIC numbers link to the description the Occupational Safety & Health Administration (OSHA) Web site. Links open in a new browser window.

28690000 Industrial organic chemicals, nec

NAICS:
325199 All Other Basic Organic Chemical Manufacturing

Jump to:

Overview | Scores | Payments | Public Filings | History & Operations

Banking & Finance

KEY BUSINESS RATIOS

D&B has been unable to obtain sufficient financial information from this company to calculate business ratios. Our check of additional outside sources also found no information available on its financial performance.
To help you in this instance, ratios for other firms in the same industry are provided below to support your analysis of this business.

Based on this number of establishments: 48

Industry Norms based on 48 establishments

	This Business	Industry Median	Industry Quartile
Profitability			
Return on Sales	UN	5.7	UN
Return on Net Worth	UN	20.6	UN
Short-Term Solvency			

946030145

Current Ratio	UN	2.2	UN
Quick Ratio	UN	1.2	UN
Efficiency			
Assets Sales	UN	71.6	UN
les / Net Working Capital	UN	6.7	UN
Utilization			
Total Liabs / Net Worth	UN	82.7	UN

UN = Unavailable

FINANCE

10/26/2005

Sources contacted verified information on October 12, 2005.

CUSTOMER SERVICE

If you have questions about this report, please call our Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. If you are outside the U.S. contact your local D&B office.

*** Additional Decision Support Available ***

Additional D&B products, monitoring services and specialized investigations are available to help you evaluate this company or its industry. Call Dun & Bradstreet's Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. or visit our website at www.dnb.com.

pyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

946030146

946030147

Decide with Confidence

Comprehensive Report

To save report(s) to your PC, click here for instructions.

Print this Report

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

ATTN: **JHB LPRSA TASK 7**

Report Printed: FEB 08 2006

Overview

BUSINESS SUMMARY

HUMMEL CROTON INC
HUMMEL CHEMICAL
10 Harmich Rd
South Plainfield, NJ 07080

D&B D-U-N-S Number: 06-072-2154

This is a **single** location.

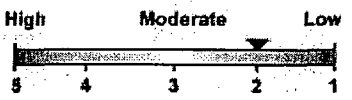
Web site:	www.hummelcroton.com
Telephone:	908 754-1800
Fax:	908 754-1815
Chief executive:	DR BERNARD F SCHOEN, PRES
Year started:	1976
Employs:	15
History:	CLEAR
Financing:	SECURED
SIC:	2819 5169
Line of business:	Mfg inorganic chemicals & distributes industrial chemicals

Now Included with this Report NEW!

D&B's Credit Limit Recommendation
How much credit should you extend?
Learn More — **View Now**

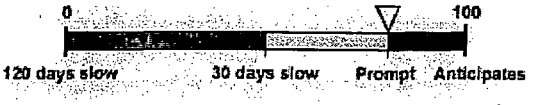
Payment Trends Profile
Payment trends and industry benchmarks
Jump to Payment Trends

Credit Score Class: 2
Moderate risk of severe payment delinquency over next 12 months



Financial Stress Class: 1
Low risk of severe financial stress over the next 12 months

12-Month D&B PAYDEX®: 78
When weighted by dollar amount, payments to suppliers average 3 days beyond terms.



D&B Rating:	**1R2**
Number of employees:	1R is **10 or more** employees.
Composite credit appraisal:	2 is **good**.

946030148

D&B EXCLUSIVE

EXECUTIVE SUMMARY

The **Financial Stress Class of 1** for this company shows that during the previous year, firms with this classification had a failure rate of 0.49% (49 per 10,000), which is lower than the national average.

Credit Score class of 2 for this company shows that during the previous year, 4.7% of the firms with this classification paid one or more bills severely delinquent, which is lower than the national average.

Predictive Scores	This Business	Comments
Financial Stress Class	1	Failure Rate lower than the national average
Financial Stress Score	1498	*Highest Risk: 1,001; Lowest Risk: 1,850*
Credit Score Class	2	Probability of Severely Delinquent Payment is lower than the national average.

Other Key Indicators		
PAYDEX Scores	3 days beyond terms	Pays more promptly than the average for its industry of 9 days beyond terms
Industry Median	9 days beyond terms	
Present management control	30 years	
UCC Filings	UCC filing(s) are reported for this business	
Public Filings	No record of open Suit(s), Lien(s), or Judgment(s) in the D&B database	
Financing	Is secured	
History	Is clear	

CREDIT CAPACITY SUMMARY

D&B Rating: **1R2**
Number of employees: 1R indicates **10 or more** employees.
Composite credit appraisal: 2 is **good**.

The 1R and 2R ratings categories reflect company size based on the total number of employees for the business. They are assigned to business files that do not contain a current financial statement. In 1R and 2R Ratings, the 2, 3, or 4 creditworthiness indicator is based on analysis by D&B of public filings, trade payments, business age and other important factors. 2 is the highest Composite Credit Appraisal a company not supplying D&B with current financial information can receive. For more information, see the D&B Rating Key.

# of Employees Total: 15

Payment Activity:
(based on 23 experiences)

Average High Credit:	$4,711
Highest Credit:	$45,000
Total Highest Credit:	$106,700

Jump to:

Overview | Payments | Public Filings | History & Operations | Banking & Finance

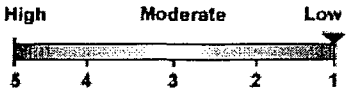
Scores D&B EXCLUSIVE

FINANCIAL STRESS SUMMARY

The Financial Stress Summary Model predicts the likelihood of a firm ceasing business without paying all creditors in full, or reorganization or obtaining relief from creditors under state/federal law over the next 12 months. Scores calculated using a statistically valid model derived from D&B's extensive data files.

Financial Stress Class: 1

946030149



Low risk of severe financial stress, such as a bankruptcy, over the next 12 months.

idence of Financial Stress

Among Businesses with this Classification:	0.49% (49 per 10,000)
National Average	1.40% (140 per 10,000)

Financial Stress National Percentile: 84 (Highest Risk: 1; Lowest Risk: 100)

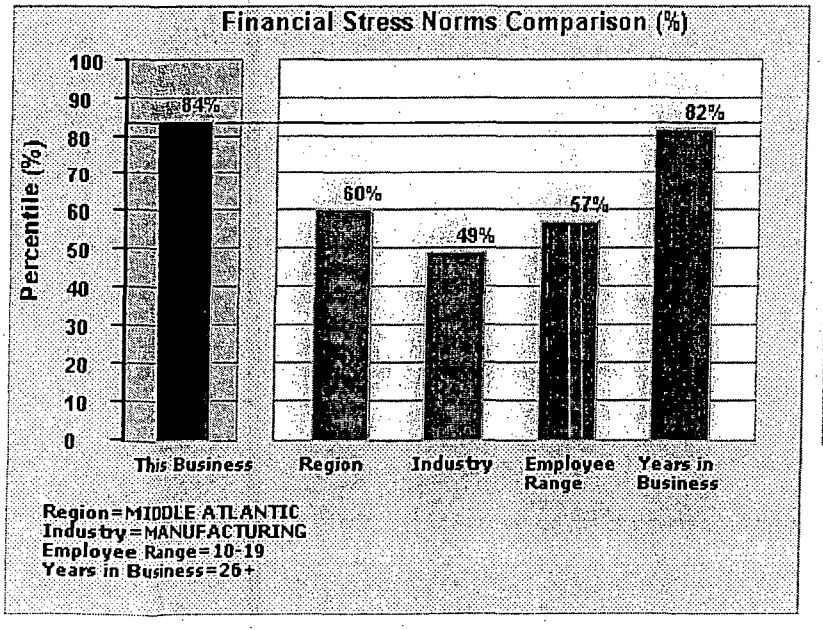
Financial Stress Score: 1498 (Highest Risk: 1,001; Lowest Risk: 1,850)

The Financial Stress Class of this business is based on the following factors:

- No record of open suit(s), lien(s), or judgement(s) in the D&B files.
- 13% of trade experiences indicate slow payment(s) are present.

Notes:

- The Financial Stress Class indicates that this firm shares some of the same business and financial characteristics of other companies with this classification. It does not mean the firm will necessarily experience financial stress.
- The Incidence of Financial Stress shows the percentage of firms in a given Class that discontinued operations over the past year with loss to creditors. The Incidence of Financial Stress - National Average represents the national failure rate and is provided for comparative purposes.
- The Financial Stress National Percentile reflects the relative ranking of a company among all scorable companies in D&B's file.
- The Financial Stress Score offers a more precise measure of the level of risk than the Class and Percentile. It is especially helpful to customers using a scorecard approach to determining overall business performance.
- All Financial Stress Class, Percentile, Score and Incidence statistics are based on 2002.



Norms	National %
This Business	84
Region: **MIDDLE ATLANTIC**	60
Industry: **MANUFACTURING**	49
Employee Range: **10-19**	57
Years in Business: **26+**	82

This business has a Financial Stress Percentile that shows:

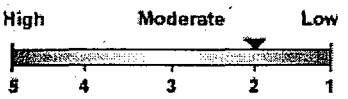
- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Lower risk than other companies with a comparable number of years in business.

946030150

CREDIT SCORE CLASS SUMMARY

The Credit Score class predicts the likelihood of a firm paying in a severely delinquent manner (90+ Days Past Due) over the next twelve months. It was calculated using statistically valid models and the most recent payment information in D&B's files.

Credit Score Class: 2



Moderate risk of severe payment delinquency over next 12 months.

Incidence of Delinquent Payment

Among Companies with this Classification: 4.70%

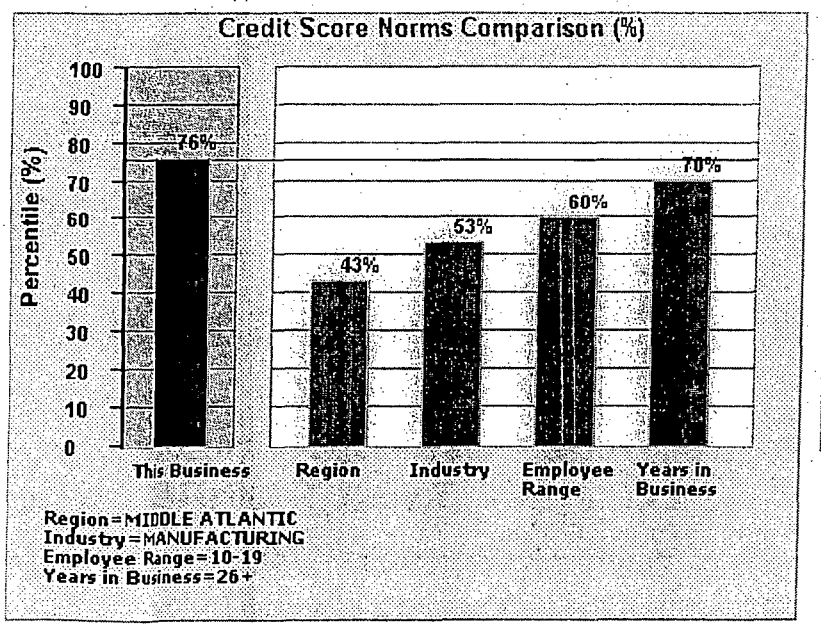
Credit Score Percentile: 76 (Highest Risk: 1; Lowest Risk: 100)

The Credit Score Class of this business is based on the following factors:

- Control age or date entered in D&B files indicates lower risk.
- No record of open suit(s), lien(s), or judgments(s) in the D&B files.
- Business does not own facilities.

Notes:

- The Incidence of Delinquent Payment is the percentage of companies with this classification that were reported 90 days past due or more by creditors. The calculation of this value is based on an inquiry weighted sample.
- The Percentile ranks this firm relative to other businesses. For example, a firm in the 80th percentile has a lower risk of paying in a severely delinquent manner than 79% of all scorable companies in D&B's files.



Norms	National %
This Business	76
Region: **MIDDLE ATLANTIC**	43
Industry: **MANUFACTURING**	53
Employee Range: **10-19**	60
Years in Business: **26+**	70

This business has a Credit Score Percentile that shows:

- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Lower risk than other companies with a comparable number of years in business.

946030151

Jump to:

Overview | Scores | Public Filings | History & Operations | Banking & Finance

Payments ☑ D&B EXCLUSIVE

PAYMENT TRENDS

Total Payment Experiences in D&B's File:	23
Payments Within Terms: (not dollar weighted)	94%
Total Placed For Collection:	0
Average Highest Credit:	$4,711
Largest High Credit:	$45,000
Highest Now Owing:	$35,000
Highest Past Due:	$0

Current PAYDEX is:	**78**	equal to 3 days beyond terms
Industry Median is:	**74**	equal to 9 days beyond terms
Payment Trend currently is:	↔	**unchanged**, compared to payments three months ago

Indications of slowness can be the result of dispute over merchandise, skipped invoices, etc. Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed.

PAYDEX Scores

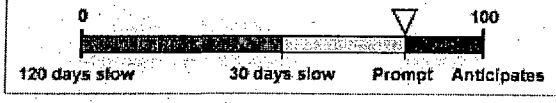
Shows the D&B PAYDEX scores as calculated on the most recent 3 months and 12 months of payment experiences.

The D&B PAYDEX is a unique, dollar weighted indicator of payment performance based on up to payment experiences as reported to D&B by trade references. A detailed explanation of how to read and interpret PAYDEX scores can be found at the end of this report.

3-Month D&B PAYDEX: 77
When weighted by dollar amount, payments to suppliers average 5 days beyond terms.

Based on payments collected over last 3 months.

12-Month D&B PAYDEX: 78
When weighted by dollar amount, payments to suppliers average 3 days beyond terms.



Based on payments collected over last 12 months.

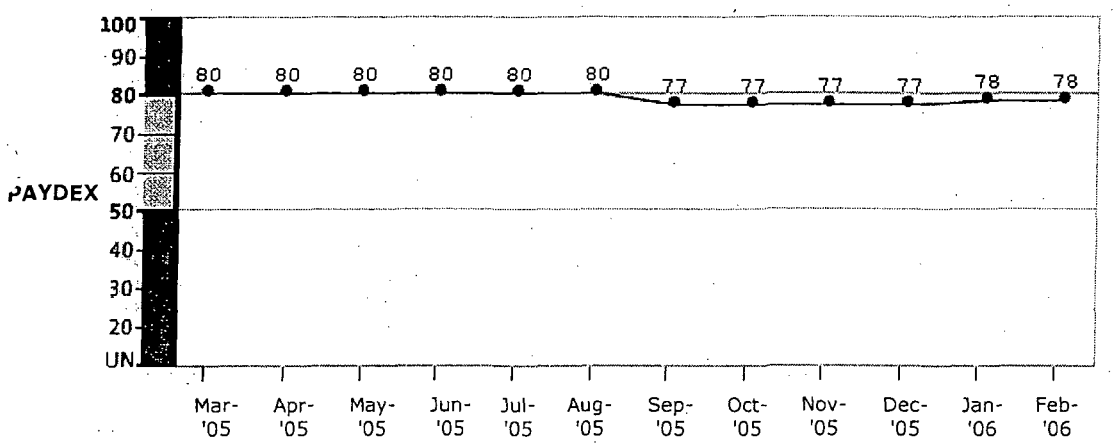
PAYDEX Yearly Trend

12 Month PAYDEX Scores Comparison to Industry

	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06
This Business	80	80	80	80	80	80	77	77	77	77	78	78
Industry Quartiles												
Upper	79			79			79			79		
Median	74			73			74			74		
Lower	65			65			66			66		

Shows the trend in D&B PAYDEX scoring over the past 12 months.

946030152



Last 12 Months

Based on payments collected over the last 12 months.

- Current PAYDEX for this Business is 78, or equal to 3 days beyond terms
- The 12-month high is **80**, or equal to generally within terms
- The 12-month low is **77**, or equal to 5 days beyond terms

PAYDEX Comparison to Industry

Shows PAYDEX scores of this Business compared to the Primary Industry from each of the last four quarters. The Primary Industry is Mfg inorganic chemicals & distributes industrial chemicals, based on SIC code 2819.

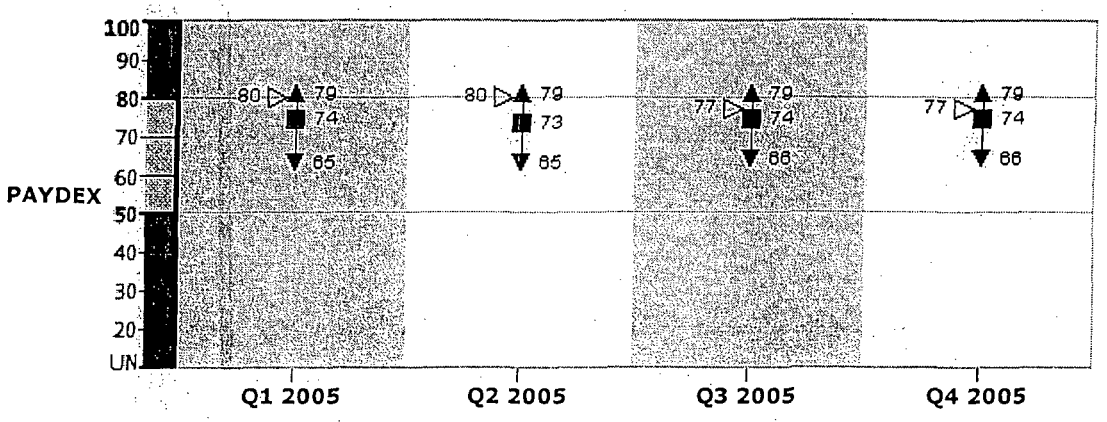
Quarterly PAYDEX Scores Comparison to Industry

ious Year

	3/04	6/04	9/04	12/04
This Business	72	73	71	80
Industry Quartiles				
Upper	79	79	79	79
Median	73	73	74	74
Lower	65	65	65	65

Current Year

	3/05	6/05	9/05	12/05
This Business	80	80	77	77
Industry Quartiles				
Upper	79	79	79	79
Median	74	73	74	74
Lower	65	65	66	66



Last 12 Months

d on payments collected over the last 4 quarters.

This Business Industry upper quartile

946030153

Score Comparison Key: ▷ ▲

■ Industry median

▼ Industry lower quartile

urrent **PAYDEX** for this Business is **78**, or equal to 3 days beyond terms

*The present industry **median score** is **74**, or equal to 9 days beyond terms.*

- Industry upper quartile represents the performance of the payers in the 75th percentile
- Industry lower quartile represents the performance of the payers in the 25th percentile

Payment Habits

For all payment experiences within a given amount of credit extended, shows the percent that this Business paid within terms. Provides number of experiences used to calculate the percentage, and the total dollar value of the credit extended.

$ Credit Extended	% of Payments Within Terms	# Payment Experiences	$ Total Dollar Amount
Over 100,000	0%	0	$0
50,000-100,000	0%	0	$0
15,000-49,999	72%	2	$80,000
5,000-14,999	100%	1	$5,000
1,000-4,999	90%	6	$10,500
Under 1,000	99%	12	$3,450

0% 50% 100%

Based on payments collected over the last 12 months.

Payment experiences reflect how bills are met in relation to the terms granted. In some instances, payment beyond terms can be the result of disputes over merchandise, skipped invoices, etc.

PAYMENT SUMMARY

The Payment Summary section reflects payment information in D&B's file as of the date of this report.

There are 23 payment experiences in D&B's file for the most recent 12 months, with 18 experiences reported during the last three month period.

Below is an overview of the company's dollar-weighted payments, segmented by its suppliers' primary industries:

	Total Rcv'd (#)	Total Dollar Amts ($)	Largest High Credit ($)	Within Terms (%)	Days Slow <31 (%)	31-60 (%)	61-90 (%)	90> (%)
Top industries:								
Trucking non-local	6	4,300	1,000	77	23	0	0	0
Nonclassified	4	40,350	35,000	100	0	0	0	0
Whol office supplies	2	200	100	75	25	0	0	0
Mfg electrometal prdt	1	45,000	45,000	50	50	0	0	0
Whol electrical equip	1	2,500	2,500	100	0	0	0	0
Whol metal	1	2,500	2,500	100	0	0	0	0
Mfg plastics/resins	1	2,500	2,500	100	0	0	0	0

946030154

Telephone communictns	1	750	750	100	0	0	0	0
Mfg scales/balances	1	500	500	100	0	0	0	0
Regulate trnsprtation	1	250	250	100	0	0	0	0
Ret auto supplies	1	50	50	100	0	0	0	0
ort-trm busn credit	1	50	50	100	0	0	0	0

ner payment categories:

Cash experiences	0	0	0
Payment record unknown	2	7,750	7,500
Unfavorable comments	0	0	0

Placed for collections:

With D&B	0	0	0
Other	0	N/A	0
Total in D&B's file	23		45,000

The highest **Now Owes** on file is $35,000 The highest **Past Due** on file is $0

Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed. Indications of slowness can be result of dispute over merchandise, skipped invoices, etc.

PAYMENT DETAILS

Detailed payment history

Date Reported (mm/yy)	Paying Record	High Credit ($)	Now Owes ($)	Past Due ($)	Selling Terms	Last Sale Within (months)
01/06	Ppt	500	500	0	N30	1 mo
	(002)	7,500	0			6-12 mos
12/05	Ppt	35,000	35,000	0		1 mo
	Ppt	5,000	5,000	0		1 mo
	Ppt	2,500	500	0	N30	1 mo
	Ppt	1,000	0	0		2-3 mos
	Ppt	750	750	0		1 mo
	Ppt	500	500	0		1 mo
	Ppt	250	0	0		1 mo
	Ppt	100	0	0		1 mo
	Ppt	100	50	0		1 mo
	Ppt	50	0	0		6-12 mos
	Ppt	50	50	0		1 mo
	Ppt-Slow 15	45,000	0	0		4-5 mos
	(015)	250	250	0		1 mo
11/05	Ppt	2,500	0	0		6-12 mos
	Slow 15	1,000	0	0		6-12 mos
	(018)	250				1 mo
	Satisfactory.					
10/05	Disc-Ppt	2,500	0	0	1/2 10 N30	6-12 mos
07/05	Ppt	750	0	0		6-12 mos
06/05	Ppt-Slow 30	100	0	0		4-5 mos
01/05	Ppt	1,000	0	0		2-3 mos
10/04	Ppt	50	0	0	N15	6-12 mos

Payment experiences reflect how bills are met in relation to the terms granted. In some instances payment beyond t s can be the result of disputes over merchandise, skipped invoices etc.

Each experience shown is from a separate supplier. Updated trade experiences replace those previously reported.

946030155

Jump to:

Overview | Scores | Payments | History & Operations | Banking & Finance

Public Filings

. JBLIC FILINGS

The following data includes both open and closed filings found in D&B's database on the subject company.

Record Type	# of Records	Most Recent Filing Date
Bankruptcy Proceedings	0	-
Judgments	0	-
Liens	0	-
Suits	0	-
UCC's	2	07/22/1999

The following Public Filing data is for information purposes only and is not the official record. Certified copies can only be obtained from the official source.

UCC FILINGS

Collateral: Inventory including proceeds and products - Accounts receivable including proceeds and products - Account(s) including proceeds and products - Assets including proceeds and products - and OTHERS
Type: Original
Sec. party: SUMMIT BANK, HACKENSACK, NJ
Debtor: HUMMEL CROTON, INCORPORATED
Filing number: 1919817
Filed with: SECRETARY OF STATE/UCC DIVISION, TRENTON, NJ
Date filed: 07/22/1999
Latest Info Received: 08/10/1999

Type: Continuation
Sec. party: FIRST UNION NATIONAL BANK F/K/A FIRST FIDELITY BANK, N.A., N.J., NEWARK, NJ
Debtor: HUMMEL CHEMICAL COMPANY, INC.
Filing number: 1204118
Filed with: SECRETARY OF STATE/UCC DIVISION, TRENTON, NJ
Date filed: 04/16/1998
Latest Info Received: 06/22/1998
Original UCC filed date: 07/27/1988
Original filing no.: 1204118

The public record items contained in this report may have been paid, terminated, vacated or released prior to the date this report was printed.

GOVERNMENT ACTIVITY

Activity summary

Borrower (Dir/Guar):	NO
Administrative debt:	YES
Contractor:	YES
Grantee:	NO
Party excluded from federal program(s):	NO

ible candidate for socio-economic program consideration

Labor surplus area:	N/A
Small Business:	YES (2006)
8(A) firm:	N/A

946030156

The details provided in the Government Activity section are as reported to Dun & Bradstreet by the federal government and other sources.

Jump to:

Overview | Scores | Payments | Public Filings | Banking & Finance

History & Operations

HISTORY

The following information was reported **11/12/2004**:

Officer(s): DR BERNARD F SCHOEN, PRES+
MARK DUGAN, V PRES+

DIRECTOR(S): The officers identified by (+)

Business started 1976 by present control. 100% of capital stock is owned by Dr Bernard F Schoen.

Business name changed to Hummel Croton Inc from Croton Corporation when Croton Corporation and Hummel Chemical Co Inc merged together in May 1989.

DR BERNARD F SCHOEN born 1930. EDUCATION: He has an MS Degree from New York University, New York, NY 1953 in Chemical Engineering and PhD Degree from Columbia University, New York, NY 1955. OCCUPATIONAL BACKGROUND: Employed by Hummel Chemical Co Inc, South Plainfield, NJ since 1955 until merger in 1989.

MARK DUGAN born 1953. OCCUPATIONAL BACKGROUND: 1972-1976 employed by Hummel Chemical Co Inc, South Plainfield, NJ. 1976-1989 employed by Cronton Corporation, South Plainfield, NJ. 1989-present active with subject.

BUSINESS REGISTRATION

CORPORATE AND BUSINESS REGISTRATIONS PROVIDED BY MANAGEMENT OR OTHER SOURCE

The Corporate Details provided below may have been submitted by the management of the subject business and may not have been verified with the government agency which records such data.

Registered Name: Hummel Croton Inc

Business type: CORPORATION
Corporation type: PROFIT
Date incorporated: JUL 01 1976
State of incorporation: NEW JERSEY

Common stock
Authorized shares: 2,500
Par value: NO PAR VALUE

Where filed: Secretary of State, Trenton, NJ

OPERATIONS

11/12/2004

Description: Manufactures inorganic chemicals such as barium peroxides (65%) also distributes industrial chemicals (35%).

Terms: Net 30 days. Has 400 account(s). Sells to ordinance manufactures. Territory : United States and International.

Nonseasonal.

Employees: 15 which includes officer(s).

946030157

Facilities: Rents 20,000 sq. ft. in 1 story brick building. Also rents 10,000 sq. ft. in 2 adjacent 1 story precast buildings.

Location: Industrial section on side street.

C & NAICS

SIC:
Based on information in our file, D&B has assigned this company an extended 8-digit SIC. D&B's use of 8-digit SICs enables us to be more specific to a company's operations than if we use the standard 4-digit code.

The 4-digit SIC numbers link to the description on the Occupational Safety & Health Administration (OSHA) Web site. Links open in a new browser window.

28190901	Barium compounds
51699907	Industrial chemicals

NAICS:

325188	All Other Basic Inorganic Chemical Manufacturing
424690	Other Chemical and Allied Products Merchant Wholesalers

---

Jump to:

Overview | Scores | Payments | Public Filings | History & Operations

Banking & Finance

BANKING

First Union Bank, Newark, NJ

KEY BUSINESS RATIOS

D&B has been unable to obtain sufficient financial information from this company to calculate business ratios. Our check of additional outside sources also found no information available on its financial performance.
To help you in this instance, ratios for other firms in the same industry are provided below to support your analysis of this business.

Based on this number of establishments: 11

Industry Norms based on 11 establishments

	This Business	Industry Median	Industry Quartile
Profitability			
Return on Sales	UN	5.4	UN
Return on Net Worth	UN	24.9	UN
Short-Term Solvency			
Current Ratio	UN	1.7	UN
Quick Ratio	UN	1.2	UN
Efficiency			
Assets Sales	UN	49.8	UN
Sales / Net Working Capital	UN	5.7	UN
[illegible]zation			
[illegible]l Liabs / Net Worth	UN	116.3	UN

UN = Unavailable

946030158

FINANCE

10/20/2004

..ı OCT 20 2004 Gail Mulliigan, Gen Mgr, declined all information.

CUSTOMER SERVICE

If you have questions about this report, please call our Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. If you are outside the U.S. contact your local D&B office.

*** Additional Decision Support Available ***

Additional D&B products, monitoring services and specialized investigations are available to help you evaluate this company or its industry. Call Dun & Bradstreet's Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. or visit our website at www.dnb.com.

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

946030159

946030160

New Jersey State Business Gateway Service

Corporate and Business Information Reporting

Business Entity Status Report

Printing Instructions: Open your Browser's Page Setup menu and set your page margins to 0.25". Use your Browser's Print option to print the report as seen on screen.

Saving Instructions: Save this file to your hard drive for later viewing by using the Browser's "Save As" function.

All available information is displayed.

Status Report For: HUMMEL CHEMICAL COMPANY, INCORPORATED

Business Name: HUMMEL CHEMICAL COMPANY, INCORPORATED

Report Date: 02/22/2006

Business ID Number: 4835581000

Transaction Number: Sequence: 863813: 6

Business Type: FOREIGN PROFIT CORPORATION

Status: MERGED

Filing Date: 03/01/1963

Home Jurisdiction: NY

Status Change Date: 05/23/1989

Stock Amount: 0

DOR Suspension Start Date:

DOR Suspension End Date:

Tax Suspension Start Date:

Tax Suspension End Date:

Annual Report Month: 4

Last Annual Report Filed: 03/24/1989

For Last Annual Report Paid Year: 1989

Incorporator:

Agent: B F SCHOEN SR

Agent Address: 10 HARMICH RD
SOUTH PLAINFIELD N J, NJ 07080 - 0000

946030161

Office Address Status: **Deliverable**

Main Business Address:

Principal Business Address:

Associated Names

Name: **Type Description:**

Exit Return to Main List <Previous

**If you would like to receive photocopies of documents filed by this business entity, mail your request to PO Box 450, Trenton, NJ 08625. Indicate the Business Entity Number(s) involved and the type of document you wish to have copies of. Your choices are listed below:

CHARTER DOCUMENTS

Original Certificate Only (For example, Certificate of Incorporation);

Changes and Amendments to the Original Certificate Only; **OR**

All Charter Documents (Original Certificate and Changes/Amendments)

And/or

ANNUAL REPORTS

Copy of Latest Annual Report; **OR**

Copy of Annual Report for a Specific Year(s) (List the Year Desired)

The photocopy fee for all entities except limited liability companies is $1 per page. For limited liability companies, the fee is $10 for the first page and $2 per page thereafter.

The total fee amount for your order will vary depending on the number of pages associated with each filed document you request. You may supply us with a check with a NOT TO EXCEED instruction to cover the costs. Make the check payable to the Treasurer, State of New Jersey. Alternately, you may pay by credit card (provide card#/expiration date and cardholder information) or depository account. Please include a self-addressed envelope with your order. If you have any questions or would like information on alternative service options such as over-the-counter expedited service, call 609-292-9292 (option 3 on the main menu and then option 8), weekdays, 8:30 a.m. to 4:30 p.m.

Privacy Policy

946030162

New Jersey State Business Gateway Service

Corporate and Business Information Reporting

Business Entity Status Report

Printing Instructions: Open your Browser's Page Setup menu and set your page margins to 0.25". Use your Browser's Print option to print the report as seen on screen.

Saving Instructions: Save this file to your hard drive for later viewing by using the Browser's "Save As" function.

All available information is displayed.

Status Report For: HUMMEL CROTON INCORPORATED

Business Name: HUMMEL CROTON INCORPORATED

Report Date: 02/22/2006

Business ID Number: 0100021352

Transaction Number: Sequence: 863813: 5

Business Type: DOMESTIC PROFIT CORPORATION

Status: ACTIVE

Filing Date: 07/01/1976

Home Jurisdiction: NJ

Status Change Date:

Stock Amount: 99999999999

DOR Suspension Start Date:

DOR Suspension End Date:

Tax Suspension Start Date:

Tax Suspension End Date:

Annual Report Month: 4

Last Annual Report Filed: 03/22/2005

For Last Annual Report Paid Year: 2004

Incorporator: X

Agent: B F SCHOEN SR

Agent Address: 10 HARMICH ROAD
SOUTH PLAINFIELD, NJ 07080 - 0000

946030164

Office Address Status: ***Deliverable***

Main Business Address: **10 HARMICH ROAD**
SOUTHPLAINFIELD, NJ 07080

Principal Business Address: **10 HARMICH ROAD**
SOUTH PLAINFIELD, NJ 07080

Associated Names

Name: CROTON CHEMICAL COMPANY	**Type Description: Previous Name**
Name: CROTON CORPORATION	**Type Description: Previous Name**
Name: HUMMEL INCORPORATED	**Type Description: Fictitious Name**

Officers/Directors/Members

1) **Title:** **SECRETARY**
Name: **PATRICK BADALATO**
Address: **10 HARMICH RD**
SO PLAINFIELD, NJ 07080

2) **Title:** **PRESIDENT**
Name: **BERNARD SCHOEN JR**
Address: **10 GARNUCG RD**
SO PLAINFIELD, NJ 07080

Exit | Return to Main List | < Previous | Next >

946030165

**If you would like to receive photocopies of documents filed by this business entity, mail your request to PO Box 450, Trenton, NJ 08625. Indicate the Business Entity Number(s) involved and the type of document you wish to have copies of. Your choices are listed below:

CHARTER DOCUMENTS
Original Certificate Only (For example, Certificate of Incorporation);
Changes and Amendments to the Original Certificate Only; **OR**
All Charter Documents (Original Certificate and Changes/Amendments)
And/or

ANNUAL REPORTS

Copy of Latest Annual Report; **OR**

Copy of Annual Report for a Specific Year(s) (List the Year Desired)

The photocopy fee for all entities except limited liability companies is $1 per page. For limited liability companies, the fee is $10 for the first page and $2 per page thereafter.

The total fee amount for your order will vary depending on the number of pages associated with each filed document you request. You may supply us with a check with a NOT TO EXCEED instruction to cover the costs. Make the check payable to the Treasurer, State of New Jersey. Alternately, you may pay by credit card (provide card#/expiration date and cardholder information) or depository account. Please include a self-addressed envelope with your order. If you have any questions or would like information on alternative service options such as over-the-counter expedited service, call 609-292-9292 (option 3 on the main menu and then option 8), weekdays, 8:30 a.m. to 4:30 p.m.

Privacy Policy

946030166

HUMMEL CROTON INC.

Rev. Date 12/12/2005

10 Harmich Road
South Plainfield, NJ
U.S.A.

Tel: 908-754-1800
Fax: 980-754-1815

Associate Companies	Contacts	Custom Manufacturing	History
Military Specifications	MSDS List	Packaging	Product List
Product Groups	Pyrotechnics	Terms and Conditions	e-mail (sales)

Serving Goverment and Industry since 1913

946030168

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Associate Companies

[redacted]

40 Cumulative years of Service to the POWER GENERATION Industry

AXXO INC.
P.O. Box 876
Lilburn, GA 30048-0876
U.S.A.
www.axxousa.com
Tel: (770) 921-3325
Fax: (770) 921-3099

Serving Science for over 30 years

RESEARCH PLUS INC.
P.O. Box 661
Manasquan, NJ 08736
U.S.A.
www.researchplus.com
Tel: (800) 341-2296
Tel: (732) 528-7751
Fax: (732) 528-7734

946030169

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date: 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Associate Companies	Custom Manufacturing	History	Home
Military Specifications	MSDS List	Packaging	Product List
Product Groups	Pyrotechnics	Terms and Conditions	e-mail (sales)

Company Contacts

Bernard F. Schoen Jr.	President	bernieschoenjr@hummelcroton.com
Gail D. Mulligan	Sales Manager	gmulligan@hummelcroton.com
Mark Dugan	Tech Support Manager	mdugan@hummelcroton.com

General Contact Information

Phone (908)-754-1800
Fax (908)-754-1815
e-mail or humchem@aol.com

946030170

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date: 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Custom Manufacturing

Hummel Croton Inc. has been in business since 1913 supplying specialty and custom manufactured chemicals to meet our customer's demands. We have the capability of meeting government specifications for most of the products in this catalog. We have the capacity to produce pilot plant to truckload quantities of specialty chemicals. We invite your inquires.

Our Production Equipment List includes:

- Glass lined Reactors
- Stainless Steel Reactors
- Stainless Steel and Carbon Steel Blenders
- Vacuum Drying Equipment
- Stainless Steel Tray Driers
- Stainless Steel Milling and Grinding Equipment
- Stainless Steel Screening Equipment

Our in-house laboratory has the expertise to perform most wet chemical analysis along with some instrumental analysis. Our testing equipment includes:

- Metler Balances
- Perkin-Elmer Atomic Absorption
- Metler Automatic Titrator
- Metler Karl Fisher Titrator
- Perkin-Elmer HPLC
- W.S. Tyler Ro-Tap
- Corning pH meters
- Fisher Sub-Sieve Sizer

Custom milling, blending and screening of our product and yours are available at a reasonable cost. Your special mesh requirements on many of the products in this catalog are available at an extra cost.

Items prepared to customers' specifications, government specifications and the like, require substantial lead times for either procurement or manufacturing of raw materials. These raw materials also require special processing and testing for conformance to these specifications. Please allow sufficient time in the ordering procedure.

946030171

Screen Size & U.S. Standard Sieve Openings

Mesh	Microns	Inch
4	4760	0.1870
6	3360	0.1320
8	2380	0.0937
12	1680	0.0661
16	1190	0.0469
20	840	0.0331
30	590	0.0232
40	420	0.0165
50	297	0.0117
60	250	0.0098
70	210	0.0083
80	177	0.0070
100	149	0.0059
120	125	0.0049
140	105	0.0041
170	88	0.0035
200	74	0.0029
230	62	0.0024
270	53	0.0021
325	44	0.0017
400	37	0.0014

Sieving results are expressed in terms of "mesh". A minus (-)before the number indicates material passing "through" a screen. A plus (+) before the number means "retained" on a screen. For example, "50% -200-+325" means 50% by weight of the material passes through a 200 mesh screen but are retained on a +325 mesh screen or 95%-100 means 95% by weight of the material passes through a 100 mesh sieve.

Screen analysis is of particular importance when using powdered, atomized or granular aluminum for pyrotechnic manufacture. As a general rule the following expressions classify aluminum screen analysis:

COARSE ..... 4 to 30 MESH

MEDIUM ..... 30 to 80 MESH

FINE ..... 80 to 120 MESH

946030172

Other definitions for coarse, medium, fine and extra fine:

COARSE ..... 40 to 50 MESH

MEDIUM ..... 50 to 100 MESH

FINE ..... 100 to 200 MESH

EXTRA FINE ..... 200 MESH AND DOWN

Please accept our appreciation and sincere thanks for letting us serve you. Sometimes, in the rush of business life we fail to say thank you loud enough. But you can be sure your patronage is never, never taken for granted. Our aim is to please and satisfy. To serve you is a real privilege and a pleasure.

SERVICE TO GOVERMENT AND INDUSTRY SINCE 1913

9460301 73

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Tel: 908-754-1800
Fax: 908-754-1815

Last up date: 12/12/05

Associate Companies	Contacts	Custom Manufacturing	Home
Military Specifications	MSDS List	Packaging	Product List
Product Groups	Pyrotechnics	Terms and Conditions	e-mail (sales)

HISTORY

Hummel Croton Inc. was established in 1913. It is a privately owned corporation that manufactures and distributes specialty chemicals. Hummel Croton counts among its customers those in the fields of electronics, pyrotechnics, ordnance and missile propulsion, textile, dyestuff, metal processing, automotive, pollution and environmental controls.

In 1913 under a partnership of Mr. August Hummel and Mr. Robinson Hummel Chemical Company was founded. Twenty years later Mr. Hummel acquired full control of the Company. The offices were on Cedar and West Streets in Lower Manhattan. The plant was located in Brooklyn. Mr. Hummel catered his business to the display fireworks business. With the outbreak of World War II most of Mr. Hummel's display fireworks customers became ordnance manufacturers.

After World War II Mr. James Vreeland joined Hummel as sales manager and he continued to service customers in the firework and the ordnance industries. In 1961 Mr. Vreeland became principal owner and President of Hummel Chemical Company. In 1962 he moved the company to an industrial section of Newark, NJ. The company moved again in 1968 to a more spacious facility in South Plainfield, NJ where it is still situated today.

In 1978 Mr. James Vreeland and B.F. Schoen acquired Croton Chemical Company from Allied Chemical Company. Croton Chemical had similar product lines as Hummel so it was a good match for both Companies.

Under the direction of B.F. Schoen Hummel expanded it chemical manufacturing capabilities. They began manufacturing inorganic peroxides, salts of oxalic acid and specialty chemicals needed by the ordnance and specialty chemical industries.

In 1989 B. F. Schoen Sr. acquired majority control of both Hummel Chemical Company and Croton Chemical Company. He merged these two companies into Hummel Croton Inc.

Hummel Croton Inc. has been servicing industrial accounts and government agency with specialty chemicals since 1913. They have expanded their markets to include customers that are involved in the flame-retardants, pharmaceuticals, aerospace, automotive, and specialty chemical industries.

946030174

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date: 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

U.S. Military and Goverment Specifications

The following is a list of U.S. Government Military Specifications relating to a number of the products listed in this catalog. Since changes in these specifications often occur, we have not listed the year after the number. In substance the MIL number remains the same and when an amendment is printed the year of the amendment changes the date in parenthesis at the end of the number.

Acacia Technical(Gum Arabic)*	JJJ-A-20
Acetylene Black	MIL-A-3850
Aluminum Powder	MIL-A-512A
(Flake Grained Atomized)*	MIL-A-23950A(AS)
Aluminum Powder, Spherical*	MIL-A-15206(ships)
Aluminum Stearate	
Aminoguanidine Bicarbonate*	MIL-A-60569
Aminoguanidine Bicarbonate*	MIL-A-64869
Ammonium Dichromate(Photographic)*	O-A-498a
Ammonium Nitrate*	MIL-A-175A
Ammonium Oxalate*	WS-5484
Ammonium Oxalate*	WS-17055B
Ammonium Perchlorate/Technical	MIL-A-192B
Ammonium Perchlorate/Special	MIL-A-23948(wep)
Ammonium Perchlorate/Conditioned	MIL-A-82667/2(os)
Ammonium Picrate	JAN-A-166A
Amyl Acetate	TT-A-511C
Anthracene	MIL-A-202B
Antimony Powdered, Technical	MIL-A-10841A
Antimony Sulfide(Pigment)*	MIL-A-15197A
Antimony Sulfide*	MIL-A-159D
Antimony Trioxide	MIL-A-51312
Asphaltum(Gilsonite)*	MIL-A-356A(os)
Auramine Hydrochloride	MIL-A-3664
Barium Chlorate*	NO 50-11-57
Barium Chromate*	MIL-B-550A
Barium Nitrate*	MIL-B-162D
Barium Oxalate*	[illegible]

946030175

Barium Oxalate	JAN-B-660
Barium Peroxide*	MIL-B-153A
Barium Sulfate*	MIL-B-48177
Barium Stearate*	JAN-B-366
Boron, Amorphous Powder	MIL-B-51092(ord)
Boron, Amorphous*	PA-PD-451
Bromochloromethane	MIL-B-4394B
Calcium Carbonate*	MIL-C-293B
Calcium Oxalate*	JAN-C-628
Calcium Phosphate/Tribasic	MIL-C-14264
Calcium Resinate*	MIL-C-20470A
Calcium Silicide*	MIL-C-324B
Calcium Silicate	MIL-C-51077
Calcium Stearate*	JAN-C-263
Carbazole	MIL-C-13613
Carbon Activated	MIL-C-506C
Carbon Black*	MIL-C-306C
Carbon Technical(Carbon Black)*	MIL-C-11403B
Castor Oil	JJJ-C-86
Cellulose Acetate/Plasticized	WS-7659A
Charcoal*	JAN-C-178A
Charcoal, Activated	MIL-C-506B
Charcoal, Activated Technical	MIL-C-17605B
(Unimpregnated)	MIL-C-50090B
Chemical Agent CS1	MIL-C-51029
Chemical Agent CS	MIL-C-11029B
Citric Acid	N-C-541a
Corn Starch	MIL-C-13600A
Cupric Oxide*	MIL-D-003994A
Dextrin*	(MU)
2-(2,4-Dinitrophenoxy)Ethanol	WS-7653A
Dye, Benzanthrone	MIL-D-50074D
Dye, 1,4-Diamino-2,3-Dihydro	MIL-D-3668B
Anthraquinone	MIL-D-3284C
Dye, Disperse Red 9	MIL-D-003718B
Dye Mix, Disperse Red 9 Dextrinated	(EA)
Dye Mix, Green Smoke IV	MIL-D-51441(EA)
Dye Mix, Green Smoke VII (Metric)	DOD-D-51486(EA)
Dye Mix, Violet	MIL-D-OO3691C
Dye Mix, Yellow Smoke VI	(EA)
Dye, Solvent Green 3	MIL-D-51442(EA)
Dye, Solvent Yellow 33 (Metric)	MIL-D-003277D
Dye, Vat Yellow 4	DOD-D-51485(EA)
Ethyl Alcohol	MIL-D-50029B
Ethyl Centralite	MIL-E-463B
Ethylene Dimethacrylate	MIL-E-255A
Ethylene Glycol Monometyl Ether/Tech.	MIL-E-14828(MU)
	O-E-780
Ferric Chloride	MIL-F-14580C
Glass Ground	JAN-G-479
Graphite, Dry*	MIL-G-155A
Guanidine Nitrate)	MIL-G-21352
Gum Tragacanth*	(NORD)
Hexachloroethane*	MIL-G-96A

946030176

Iron Oxide Black, Technical	MIL-H-235B
Iron Oxide, Ferric Red Dry*	MIL-I-275B
Isopropyl Alcohol	MIL-I-706A
Lactose*	TT-I-735A
Lead Chromate*	MIL-L-13751B(EA)
Lead Dioxide*	JAN-L-488
Lead Nitrate*	MIL-L-376B
Lead Thiocyanate*	MIL-L-20549A
Linseed Oil Boiled	MIL-L-65A
Lithium Hydroxide	TT-L-190D
Magnesium Aluminum Alloy*	MIL-L-20213E(SH)
Magnesium Carbonate*	JAN-M-454
Magnesium Oxide*	MIL-M-11361B
Magnesium Powder*	MIL-M-51103A
Magnesium Stearate*	MIL-M-382C(AR)
Manganese Powder	MIL-M-542A(MU)
Manganese Dioxide*	JAN-M-476A
Methanol	MIL-M-3281
Methyl Centralite	O-M-232D
Methyl Chloride	MIL-M-19719A
Molybdenum Disulfide	MIL-M-10403
Morpholine, Technical	MIL-M-7866C
Monoethanolamine	O-M-575A
Nitric Acid, Technical	MIL-M-23573A(SH)
Nitrocellulose	
Oxalic Acid, Dihydrated*	O-N-350a
Oxamide*	MIL-N-244A
Oxamide*	O-O690a
Oxamide*	MIL-O-60863(MU)
Paradichlorobenzene	AS-1871
Peroxide, Methyl Ethyl Ketone	WS-08809A
Phosphorous, Red Oiled Tech	O-P-99b
Phosphorous, Red Stabilized*	MIL-P-81351A(os)
Phosphorous, Red, Technical*	DOD-P-51463(EA)
Pigment, Cuprous Oxide*	MIL-P-670A
Pigment, Indian Red, Bright Red (Iron	MIL-P-211C
Oxide)*	MIL-P-15169B
Pigment Lampblack Dry*	(ships)
Pigment Magnesium Silicate	TT-P-375
Pigment Red Iron Oxide*	TT-P-350b
Pigment, Titanium Dioxide	MIL-P-15173A
Pigment, Yellow Iron Oxide	(ships)
Polyvinyl Chloride*	ASTM-D-3721
Potassium Bicarbonate*	TT-P-00422a
Potassium Chlorate*	ASTM-D-768
Potassium Dichromate*	MIL-P-20307A(PA)
Potassium Nitrate*	MIL-P-3173A
Potassium Perchlorate*	MIL-P-150C
Potassium Permanganate	MIL-P-83770
Potassium Picrate	MIL-P-156B
Potassium Sulfate*	MIL-P-217A
Powders, Metal Atomized*	MIL-P-11970A
Propellant Hydrazine	MIL-P-10830(ord)
Propellant Hydrazine Uns-	MIL-P-193A

9460301 77

Dimethydrazine	MIL-P-14067B
Propellant Hydrazine, Water	MIL-P-26536C
Propellant Monomethylhydrazine	MIL-P-27402
Propylene Glycol, Industrial	(USAF)
Red Lead, Dry	MIL-P-10699A
Resorcinol	(USAF)
Salts, Heat Treating*	MIL-P-27404
Shellac, Orange	MIL-P-83800
Silica	(USAF)
Silicon Powder*	TT-R-191b
Sodium Bicarbonate*	MIL-R-22578B
Sodium Carbonate	(WEP)
Sodium Chromate	MIL-S-10699A
Sodium Fluorescien	(ORD)
Sodium Hexametaphosphate	TT-S-271
Sodium Hydroxide*	MIL-S-14760(MU)
Sodium Hypochlorite Solution	MIL-S-230B
Sodium Metasilicate, Technical	O-S-576C
Sodium Nitrate*	O-S-571F
Sodium Nitrate*	O-S-588D
Sodium Nitrite*	O-S-8748A
Sodium Orthosilicate	MIL-S-51078B
Sodium Oxalate*	O-S-598a
Sodium Phosphate	O-S-602D
Sodium Sulfite	O-S-604
Stannic Oxide	MIL-S-322C
Starch	O-S-634B
Stearic Acid*	MIL-S-24521
Strontium Nitrate*	(SHIPS)
Strontium Oxalate*	P-S-651E
Strontium Peroxide*	JAN-S-210
Strontium Tartrate	O-S-642d
Sugar*	MIL-S-13943A
Sulfur*	MIL-S-5005A(MU)
Sulfuric Acid	JJJ-S-701d
Tetrachloroethylene*	MIL-S-271B
Tetranitrocarbazole	MIL-S-20322B
Titanium Dioxide, Dry	MIL-S-1221OA
Titanium, Technical Powder*	MIL-S-612B
Toluene	O-S-1591
Toluene, Methyl Isobutyl Ketone	JJJ-S-791L
(Mixture)*	MIL-S-487B
Tungsten Carbide	O-S-801b
Tungsten Powder*	O-T-236b
Tungsten Powder*	MIL-T-13723A
Zinc Carbonate	MIL-T-48149A(PA)
Zinc Chromate (Putty)	MIL-T-13405D(EA)
Zinc Dust*	TT-T-548D
Zinc Oxide*	MIL-T-19588A(CG)
Zirconium*	
Zirconium Carbide*	MIL-T-13366(ORD)
Zirconium Nickel Alloy*	
Zirconium Hydride*	MIL-T-13827(ORD)

946030178

* These chemicals are ones that we handle and there is additional information about them on our web site. The chemicals without the asteric we have knowledge about but at this time we do not handle.

946030179

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Tel: 908-754-1800
Fax: 908-754-1815

Last up date: 12/12/05

Associate Companies	Contacts	Custom Manufacturing	History
Home	Military Specifications	Packaging	Product List
Product Groups	Pyrotechnics	Terms and Conditions	e-mail (sales)

MSDS LIST

Aluminum Powder Atomized
Aluminum Powder Flake
Aluminum Powder Flitters
Aminoguanidine Bicarbonate
Ammonium Dichromate
Ammonium Nitrate
Ammonium Oxalate
Antimony Trisulfide
Asphultum

Barium Carbonate
Barium Chlorate
Barium Chromate
Barium Nitrate
Barium Peroxide
Barium Stearate
Barium Sulfate
Boron

Calcium Carbonate
Calcium Metal
Calcium Nitrate
Calcium Oxalate
Calcium Resinate
Calcium Silicide
Calcium Stearate
Charcoal
Chlorinated Rubber
Copper Carbonate
Copper Oxychloride
Copper Powder
Cryolite, Synthetic
Cupric Oxide
Cuprous Oxide

Gum Arabic
Gum Tragacanth

Hexachloroethane
Hexamine
Hydrazine Carbonate
Hydrazine Dihydrochloride
Hydrazine Hydrate
Hydrazine Hydrochloride
Hydrazine Nitrate Solution
Hydrazine Sulfate

Iron Oxide, Red
Iron Powder

Lactose
Lampblack
Lead Chromate
Lead Dioxide
Lead Nitrate
Lead Thiocyanate

Magnesium Aluminum Alloy
Magnesium Carbonate
Magnesium Oxalate
Magnesium Oxide

Potassium Nitrate
Potassium Nitrite
Potassium Oxalate
Potassium Perchlorate
Potassium Sulfate

Red Gum
Red Lead
Red Phosphorous

Silicon
Silver Nitrate
Sodium Benzoate
Sodium Bicarbonate
Sodium Hydroxide
Sodium Nitrate
Sodium Nitrite
Sodium Oxalate
Sodium Salicylate
Stearic Acid

946030180

Dextrin
Diatomaceous Earth
Dihydrazine Sulfate
Dimelamine Phophate

Glass Borosilicate
Graphite

Magnesium Peroxide
Magnesium Powder
Magnesium Stearate
Manganese Dioxide
Melamine Orthophosphate
Melamine Pyrophosphate

Oxalic Acid
Oxamide

Polyvinyl Chloride
Potassium Bicarbonate
Potassium Binoxalate
Potassium Chlorate
Potassium Chloride
Potassium Dichromate

Strontium Carbonate
Strontium Chloride
Strontium Nitrate
Strontium Oxalate
Strontium Peroxide
Sugar
Sulfur

Tetranitromethane
Titanium Powder
Tungsten

U-Tec-Tic
U-Tec-Tic Plus

Zinc Dust
Zinc Oxide
Zinc Stearate
Zirconium Carbide
Zirconium Hydride
Zirconium Nickel Alloy
Zirconium Powder

946030181

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date: 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Packaging Information

Packaging listed in the following pages is Hummel Croton's standard packaging. Custom packaging is available at an extra charge.

Hummel Croton unless otherwise specified will package all material suitable to maintain the products integrity during shipment by common carrier (truck).

Hummel Croton will also try to keep the number of packages to a minimum to save our customers freight charges. This might mean a larger or heavier package than expected. Any special packaging information as to weight of material in each package should be mentioned to the sales department at time of placing an order.

Packaging of material deemed hazardous by the CFR49 part 172.101 are packaged according to the applicable standard in CFR49. Hazardous material packaged for air transportation is packaged in accordance with the IATA/ICAO Standards.

Packaging of materials for air shipment is possible, but do to the reduced quantities allowed to be shipped/packaged and the amount of paperwork involved in this will be done at additional cost.

SHIPPING INFORMATION

Shipping information contained in the following data sheets and MSDS sheets is current as dated. This information is subject to change yearly with the yearly release of the CFR49 Parts 172.101 HazMat table's revision.

946030182

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Tel: 908-754-1800
Fax: 908-754-1815

Last up date: 12/12/05

Associate Companies	Contacts	Custom Manufacturing	History
Home	Military Specifications	MSDS List	Packaging
Product Groups	Pyrotechnics	Terms and Conditions	e-mail (sales)

Product List

Aluminum Powder
Atomized
Aluminum Powder Flake
Aluminum Powder Flitters
Aminoguanidine
Bicarbonate
Ammonium Dichromate
Ammonium Nitrate
Ammonium Oxalate
Antimony Trisulfide
Asphultum

Barium Carbonate
Barium Chlorate
Barium Chromate
Barium Nitrate
Barium Peroxide
Barium Stearate
Banum Sulfate
Boron

Calcium Carbonate
Calcium Metal
Calcium Nitrate
Calcium Oxalate
Calcium Resinate
Calcium Silicide
Calcium Stearate
Charcoal
Chlorinated Rubber
Copper Carbonate
Copper Oxychloride
Copper Powder
Cryolite, Synthetic
Cupric Oxide
Cuprous Oxide

Gum Arabic
Gum Tragacanth

Hexachloroethane
Hexamine
Hydrazine
Carbonate
Hydrazine
Dihydrochloride
Hydrazine
Hydrate
Hydrazine
Hydrochloride
Hydrazine
Nitrate Solution
Hydrazine
Sulfate

Iron Oxide, Red
Iron Powder

Lactose
Lampblack
Lead Chromate
Lead Dioxide
Lead Nitrate
Lead
Thiocyanate

Magnesium
Aluminum Alloy
Magnesium
Carbonate
Magnesium
Oxalate
Magnesium
Oxide

Potassium
Nitrate
Potassium
Nitrite
Potassium
Oxalate
Potassium
Perchlorate
Potassium
Sulfate

Red
Gum
Red
Lead
Red
Phosphorous

Silicon
Silver
Nitrate
Sodium
Benzoate
Sodium
Bicarbonate
Sodium
Hydroxide
Sodium
Nitrate
Sodium
Nitrite
Sodium
Oxalate
Sodium
Salicylate
Stearic
Acid

946030183

Dextrin
Diatomaceous Earth
Dihydrazine Sulfate
Dimelamine Phophate

Glass Borosilicate
Graphite

Magnesium Peroxide
Magnesium Powder
Magnesium Stearate
Manganese Dioxide
Melamine Orthophosphate
Melamine Pyrophosphate

Oxalic Acid
Oxamide

Polyvinyl Chloride
Potassium Bicarbonate
Potassium Binoxalate
Potassium Chlorate
Potassium Chloride
Potassium Dichromate

Strontium Carbonate
Strontium Chloride
Strontium Nitrate
Strontium Oxalate
Strontium Peroxide
Sugar
Sulfur

Tertranitromethane
Titanium Powder
Tungsten

U-Tec-Tic
U-Tec-Tic Plus

Zinc Dust
Zinc Oxide
Zinc Stearate
Zirconium Carbide
Zirconium Hydride
Zirconium Nickel Alloy
Zirconium Powder

946030184

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date: 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Product Groups

FLAME RETARDANTS
Dimelamine Phosphate
Melamine Phosphate
Melamine Pyrophosphate

PEROXIDES & DIOXIDES
Barium Peroxide
Lead Dioxide
Magnesium Peroxide
Manganese Dioxide
Strontium Peroxide

OXALATES
Ammonium Oxalate
Calcium Oxalate
Magnesium Oxalate
Potassium Binoxalate
Potassium Oxalate
Sodium Oxalate
Strontium Oxalate

HYDRAZINE & HYDRAZINE SALTS
Dihydrazine Sulfate
Hydrazine Carbonate
Hydrazine Dihydrochloride
Hydrazine Hydrate
Hydrazine Monohydrochloride
Hydrazine Nitrate Solution
Hydrazine Sulfate

METTAL POWDERS & Alloys
Aluminum Atomized Powders
Aluminum Flitters
Aluminum Pyro Powders
Boron
Calcium
Copper Powder
Iron Powders (cast)
Magnesium Aluminum Alloy
Magnesium Powder
Phosphorous, Red
Silicon Powder
Titanium Powder
Tungsten Powder
Zinc Dust
Zirconium Nickel Alloy
Zirconium Powder

NITRATES & NITRITES
Ammonium Nitrate
Barium Nitrate
Calcium Nitrate
Lead Nitrate
Potassium Nitrate
Potassium Nitrite
Silver Nitrate
Sodium Nitrate
Sodium Nitrite
Strontium Nitrate

946030185

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date: 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Pyrotechnics

Pyrotechnics comes from the Greek "PYRO" meaning Fire and "Techne" meaning Art. The beginnings of Pyrotechnics can be traced back to the development of gunpowder. When Saltpeter, Charcoal and Sulfur were first mixed one can say the art of Pyrotechnics was born. Fireworks as we recognize it today was a natural development from these beginnings. The beauty and pleasure derived from a fireworks display (probably started with the Chinese, Greek or people of India) was but a forerunner of military applications over many centuries. While we easily recognize the devastating effects of military applications, the layman rarely recognizes or understands the part played by Pyrotechnics in peaceful scientific fields. Today we can find Pyrotechnics art in escape mechanisms for spacecraft, ignition systems and booster separation for space ventures. Such development among many others rarely reach the layman's mind. If we were to think of just everyday uses such as road flares, detonation material for construction purposes, the simple match or any other form resulting in the release of energy we can put Pyrotechnics in better perspective. Thus the art of Pyrotechnics engages many people in many fields devoted to constructive purposes for mankind. Since this field started with what is usually termed "Fireworks" (the basis of all Pyrotechnics) the following should provide the groundwork for chemistry into the art.

Fireworks manufacture consists of utilizing the following type of products:

1. Fuels
2. Oxidizing Agents
3. Solvents & Lubricants
4. Binding Agents
5. Smoke Producing Substances
6. Color Producing Agents
7. Stabilizers
8. Color and Light Substances
9. Accelerating and Retarding Agents
10. Phlegmatizers

For instance, signaling devices that involve noise and/or smoke involve some of each of the following chemicals:

- Ammonium Nitrate
- Ammonium Oxalate
- Potassium Chlorate
- Potassium Nitrate
- Red Phosphorous
- Red Gum

946030186

Experienced pyrotechnicians, using the proper procedures and mixtures are able to evolve a product suiting exacting needs for an application. Other examples as in the case of smoke development involves the use of:

- Red Smoke
- Potassium Perchlorate
- Antimony Sulfide
- Gum Arabic
- Rhodamine Red

- Green Smoke
- Sodium Bicarbonate
- Potassium Chlorate
- Sulfur
- Green Dye

There are certain cautions which must be mentioned, since this field is one requiring careful regard and reminders. This concerns use of Potassium Chlorate. Only experienced pyro-technicians should use Potassium Chlorate as a mixture with Sulfur and Sulfides, Ammonium Salts, Phosphorous, Pitch or Asphalt, Picric Acid or Picrates, Fine metal powders or Gallic Acid. Chlorates and Oxalates also present dangerous conditions. By and large Potassium Perchlorate eases some of the problems that are attributable to Potassium Chlorate, however, even with Potassium Perchlorate, Sulfur and Sulfides, Phosphorous, Picric Acid and Picrates and Fine metal powders should be avoided.

To offer a generalized idea of some of the uses, of some of the products used in the field of Pyrotechnics the following will offer insight:

PYROTECHNIC APPLICATIONS (FIREWORKS)

Listed below are some of the more common uses in the Fireworks Industry. The experienced Pyrotechnician has knowledge of the principal compositions required in this highly dangerous field and the information listed is but a generalized sphere of application.

Ammonium Perchlorate	Blue and Red Colors and propellants
Anthracene	Black Smoke
Antimony	White Fire, ignition and glitter effects
Barium Carbonate	Reduces acid formation in mixtures and speed of composition
Barium Chlorate	Deep Green Colors
Barium Nitrate	Silver effects and Green Colors
Boric Acid	Prevents decompostions of mixtures containing Aluminum
Calcium Carbonate	Neutralizer
Calcium Oxalate	Gives depth of color to mixtures of Sodium Nitrate and Magnesium
Calcium Silicide	Smoke Composition
Castor Oil	Protection for Magnesium and as a binder to reduce friction
Copper Carbonate	Blue Colors
Cupric Oxide	
Cryolite	
Gum(Red)	

9460301 87

Gum Arabic	Blue Colors and ignition
Gum Tragacanth	Yellow Color
Hexachlorobenzene	Binder
Hexachloroethane	Adhesive
Iron Oxide	Adhesive
Laminac 4116	Chlorine donor in color mixtures, Flares
Lamp Black	Smoke Compositions
Lead Dioxide	Thermite and incendiary compositions and ignition
Magnesium	Flare Candles
Magnesium Carbonate	Golden Fountain effects
Paris Green	Ignition
Potassium Chlorate	High candle powder, silver spark and noise effect
Potassium Nitrate	Promotes free flowing effect for Potassium Chlorate or Perchlorate
Potassium Perchlorate	Blue Colors
Silicon	White smoke, bursting charges
Sodium Nitrate	Brown, Green and Violet smoke, Black Powder Constituent
Sodium Oxalate	Substitute for Potassium Chlorate to improve mixture stability
Stearic Acid	Ignitor
Strontium Carbonate	With Magnesium it aids in flare illumination
Strontium Oxalate	Yellow Color
Sugar(Lactose)	Yellow colors and glitter effects with Aluminum and Antimony
Titanium	Reduces friction and lengthens flame time
Titanium Dioxide	Red Flares and Stars
Zinc Oxide	Red Flares and Stars
	Blue Colors, low temperature aid and smoke with Organic Dyes
	Silver Effect
	Smoke Composition
	Smoke Composition and Stabilizer

946030188

Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080

Last up date 12/12/05

Tel: 908-754-1800
Fax: 908-754-1815

Terms and Conditions

F.O.B. SOUTH PLAINFIELD, NEW JERSEY, U.S.A.
PAYMENT TERMS: NET 30 DAYS TO RATED FIRMS
(INTEREST AT 1.5% PER MONTH BEYOND 30 DAYS),
PAYABLE IN U.S. FUNDS DRAWN ON A U.S. BANK.

MINIMUM ORDER: $300.00

Changes & Cancellation: No change by seller of any term or condition of this contract or any of seller's rights or remedies there under shall be binding on seller, nor shall the order hereby acknowledged be canceled or changed by buyer, unless seller shall expressly consent there to in writing by seller's authorized officer. There are no representations, agreements, promises or understandings between buyer and seller that are not expressed herein. Products are sold only to recognized organizations and the federal government. We do not sell our products to individuals.

Method of Shipment: We ship via commercial trucking, air and ups under regulations governing such transport.

Return Goods: Material cannot be returned for credit without prior approval, either in writing or by verbal authorization from a Hummel sales administrator.

Prices: We strive to avoid price increases, but reserve the right to do so anytime the market demands. Modest pallet charge to all orders. To those picking up their own material, we recommend bringing sufficient wood pallets to use as an exchange. This will void the pallet charge.

Since Hummel Croton does not control or have knowledge of its customers' processes and specific uses of Hummel products, the fitness of Hummel products for its customers' particular needs can not be warranted. Consequently, Hummel disclaims any implied or expressed warranties of fitness for a particular use, process or purpose.

Use: Most of our chemicals are offered for industrial use only. They are not for drug, household or other similar uses. This means that they:

May not be used as drugs.
May not be used as cosmetics.

946030189

May not be used as food additives.
May not be used as household chemicals.
May not be used as agricultural or pesticide products.

For certain chemicals we may ask buyer to provide written assurance that the chemical will neither be purchased nor resold for an improper use.

Toxicity and Hazards: All of our chemicals should be handled only by qualified individuals trained in laboratory or manufacturing procedures and familiar with their potential hazards. Some chemicals are extremely toxic or otherwise hazardous.

In this catalog/handbook/web page, we do provide hazard warnings and literature references, such as SAX (dangerous properties of industrial materials) and the registry of toxic effects of chemical substances (RTECS).

We also attempt to provide adequate warnings of possible hazards on our labels, so that the information will be available to the trained technical person using our product.

Material safety data sheets are available for all of our chemicals to our customers upon request !

The absence of a warning must not be interpreted as an indication of safety. We must emphasize that information is not available on the possible hazards of many compounds.

Limitation of liability. The limit of Hummel's liability for any products which do not conform to the specifications in this catalog or their labels shall be replacement of the non-conforming product or reimbursement of the purchase price. Hummel expressly disclaims liability for consequential damages for breach of any express or implied warranties, including the implied warranty of merchantability.

Claims for Lost or Damaged Shipments: Our products are generally sold F.O.B. shipping point, fully insured at the buyer's expense, if requested on written purchase order. However, if you should need assistance in filing a claim for a lost, incomplete or damaged shipment, we will be happy to help you. Please inspect packages immediately upon receipt and inform our customer service department of any shortages or damage within 5 days of receipt.

Delivery, claims, delays unless specified differently in writing, all sales are F.O.B. seller's shipping point. Delivery of goods to the carrier at seller's plant or other loading point, shall constitute delivery to Buyer and regardless of shipping terms, all risk of loss or damage in transit shall be borne by buyer. Seller reserves the right to make delivery in installments, all such installments to be separately invoiced and paid for when due per invoice, without regard to subsequent deliveries.

Delay in delivery of any installment shall not relieve buyer of buyer's obligations to accept remaining deliveries.

Immediately upon buyer's receipt of any goods shipped there under buyer shall inspect the same and shall notify seller in writing of any claims for shortages, defects or damages and shall hold the goods for seller's written instructions concerning disposition. If buyer shall fail to so notify seller within five days after the goods have been received by buyer, such goods shall conclusively be deemed to conform to the terms and conditions hereof and to have been irrevocably accepted by the buyer.

Seller shall not be liable for any loss, damage or penalty as a result of any delay in or failure to manufacture, deliver or otherwise perform there under due to any cause beyond seller's reasonable control, including,

946030190

without limitation, unsuccessful reactions, act, regulation or request affecting the conduct of seller's business, fire, explosion, accident, theft, vandalism, riot, acts of war, strikes or other labor difficulties, lightning, flood, windstorm or other acts of God, delay in transportation, or inability to obtain necessary labor, fuel, materials, supplies or power at current prices.

General Conditions of Sale: Allocation of goods: if seller is unable for any reason to supply the total demands for goods specified in buyer's order, seller may allocate its available supply among any or all buyers on such basis as seller may deem fair and practical, without liability for any failure of performance which may result therefrom. Any use tax, sales tax, excise tax, duty, custom inspection or testing fee, or any other tax, fee or charge of any nature whatsoever imposed by any governmental authority, on or measured by the transaction between seller and buyer shall be paid by buyer, in addition to the prices quoted or invoiced. In the event seller is required to pay any such tax, fee or charge, buyer shall reimburse seller therefore; or, in lieu of such payment, buyer shall provide seller, at the time the order is submitted, an exemption certificate or other document acceptable to the authority imposing the tax, fee or charge.

Warranties: Seller warrants that its products shall conform to the description of such products as provided in seller's analytical information report or other literature, if furnished to buyer. This warranty is exclusive, and seller makes no other warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose. Seller's warranties made in connection with this sale shall not be effective if seller has determined, in its sole discretion, that buyer has misused the products in any manner or has failed to use the products in accordance with instructions, if any, furnished by seller.

Seller's sole and exclusive liability and buyer's exclusive remedy with respect to products proved to seller's satisfaction to be defective or non conforming, shall be the replacement of such products without charge or refund of the purchase price, in seller's sole discretion, upon the return of such products in accordance with seller's instructions. Seller shall not be liable for any incidental, consequential or contingent damages.

Buyer has the responsibility to verify the hazards and to conduct any further research necessary to learn the hazards involved in using products purchased from seller. Buyer also has the duty to warn buyer's customers and any auxiliary personnel (such as freight handlers, etc.) Of any risks involved in using or handling the products. Buyer agrees to comply with instructions, if any, furnished by seller relating to the use of the products and not misuse the products in any manner. If the products purchased from seller are to be repackaged, relabeled or used as starting material or components of other products, buyer will verify seller's assay of the products.

No products purchased from seller shall be considered to be foods, drugs or cosmetics; nor, except if labeled "for in vitro diagnostic use", to be devices.

Buyer agrees to indemnify and hold seller harmless from and against any and all losses, damages and expenses (including attorney's fees and other costs of defending any action) that seller may sustain or incur as a result of any claim of negligence, breach of implied warranty, strict liability in tort or other theory of law, by buyer, its officers, agents or employees, its successors and assigns, and its customers, whether direct or indirect, in connection with the use of seller's products, or by reason of buyer's failure to perform the obligations contained. Buyer shall notify seller within 15 days of buyer's receipt of knowledge of any accident involving seller's products resulting in personal injury or damage to property, and buyer shall fully cooperate with seller in the investigation and determination of the cause of such accident and shall make available to seller all statements, reports and tests made by buyer or made available to buyer by others. The furnishings of such information to seller and any investigation by seller shall not constitute an assumption of any liability by seller.

946030191

Preliminary Assessment

Hummel Chemical Company
185 Foundry St.
Newark, Essex Co.
NJD002174712

FTA0000042

946030193

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJ	D002174712

II. SITE NAME AND LOCATION

01 SITE NAME	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Hummel Chemical Co.	185 Foundry St.

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Newark	NJ		Essex		

09 COORDINATES LATITUDE	LONGITUDE	
40° 43' 34"	74° 08' 01"	Block Unknown Lot Unknown

10 DIRECTIONS TO SITE

New Jersey Turnpike to Exit 15E. Take Doremus Ave. and make a right onto Roanoke Ave. Follow Roanoke to Foundry St. Make a right on Foundry St. and site is approximately 1500 feet to the left.

III. RESPONSIBLE PARTIES

01 OWNER	02 STREET
It is unknown what buildings that Hummel occupied, however the owner of the property	

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
at that time was the Norpak/KEM Realty Company.			( )

07 OPERATOR	08 STREET
Hummel Chemical Company	10 Harmich Road

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
South Plainfield	NJ	07090	201 754-1800

13 TYPE OF OWNERSHIP

[X] A. PRIVATE [ ] B. FEDERAL: [ ] C. STATE [ ] D. COUNTY [ ] E. MUNICIPAL [ ] F. OTHER: [ ] G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE

[ ] A. RCRA 3001 DATE RECEIVED: [ ] B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: [ ] C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

[ ] YES DATE: [X] NO

BY: [ ] A. EPA [ ] B. EPA CONTRACTOR [ ] C. STATE [ ] D. OTHER CONTRACTOR [ ] E. LOCAL HEALTH OFFICIAL [ ] F. OTHER:

CONTRACTOR NAME(S):

02 SITE STATUS

[X] A. ACTIVE [ ] B. INACTIVE [ ] C. UNKNOWN

03 YEARS OF OPERATION

BEGINNING YEAR ENDING YEAR [X] UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN OR ALLEGED

Picric acid, hexachlorobenzene, 3,5 dinitro salicylic acid and 2,4-dintrophenoxyethanol, which are all potential dioxin precursors, were known to be present at the site. It is unknown what other substances may have been present. See hazardous substance listing for substances which were possibly present.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Although little is known about Hummel's operations in Newark, the disregard for the environment and public and employee health and safety at the company's South Plainfield facility leads to the likelihood that soil, groundwater and surface water contamination has also occurred at Newark.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION

[X] A. HIGH [ ] B. MEDIUM [ ] C. LOW [ ] D. NONE

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (AGENCY/ORGANIZATION)	03 TELEPHONE NUMBER
Robert Beretsky	NJDEP/DHWM/BPA	(609) 984-3014

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Robert Beretsky	NJDEP	DHWM/BPA	(609) 984-3014	9/11/87

EPA FORM 2070-12 (7-81)

FTA0000043

946030194

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJ	D002174712

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)
- [ ] A. SOLID
- [x] 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: Unknown
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)
- [x] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [x] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [x] G. FLAMMABLE
- [x] 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			According to EPA's "DIOXINS"
OLW	OILY WASTE			book published in 1980, 2,4
SOL	SOLVENTS			dinitrophenoxy ethanol, hexachlor-
PSD	PESTICIDES			obenzene, 3,5 dinitrosalicylic acid
OCC	OTHER ORGANIC CHEMICALS	Unknown		and picric acid were present at
IOC	INORGANIC CHEMICALS			the Newark site. However it is
ACD	ACIDS			unknown how much of these
BAS	BASES			substances were present. It is
MES	HEAVY METALS			also unknown what other types of
				substances may have been present.

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
OCC	2,4-Dintrophenoxyethonol		Present on site accroding to		
OCC	3,5-dinitrosalicylic acid		EPA's "DIOXINS" book - see		
OCC	hexachlorobenzene	188-74-1	Attachment A		
OCC	picric acid				
OCC	2,4-dinitrophenol	51-28-5	These substances are used by Hummel		
OCC	hydrazine	302-01-2	Chemical at their South Plainfield, NJ		
			plant. These substances were also		
OCC	hexachloroethane	67-72-1	possibly present at the Newark facility		
IOC	lead nitrate	18256-98-4	since it is believed similar operations		
IOC	lead dioxide	7439-92-1	were conducted at both facilities.		
IOC	lead chromate	18454-12-1			
IOC	bariumchromate	7440-47-3			
IOC	zinc oxide	7440-66-6			
OCC	ethylene glycol	107-21-1			

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)

Attachment A - EPA - "DIOXINS" EPA-600/2-80-197

EPA FORM 2070-12 (7-81)

FTA0000044

946030195

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJ	D002174712

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

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

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Arsenic	7440-38-2			
OCC	Isopropanol	67-63-0			
SOL	Methanol	67-56-1	These substances are used by Hummel		
ACD	Nitric acid	7697-37-2	Chemical at their South Plainfield plant.		
ACD	Oxalic acid	144-62-7	These substances were also possibly		
ACD	Rosin acid	999	present at the Newark facility since it		
BAS	Sodium hydroxide	1310-73-2	is believed similar operations were con-		
OCC	Toluene	108-88-3	ducted at both sites.		
OCC	Resorcinol	108-46-3			
IOC	Cupric oxide	7440-50-8			
IOC	Antimony trisulfide	7740-58-2			
OCC	Ammonium oxalate	999			
IOC	Lead thiocyanate	592-87-0			
SOL	Acetone	67-64-1			

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

EPA FORM 2070-13 (7-81)

FTA0000045

946030196

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJ	D002174712

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

Although dioxin type compounds do not readily migrate through soil, other substances which were improperly disposed by the company may migrate through soil and contaminate groundwater.
Attachment D,E,F

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

Improperly disposed hazardous substances may enter the nearby Passaic River via storm drains or groundwater discharges. Storm drains in the area discharge to the river.
Attachment

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

Hazardous substances disposed by the company may become airborne as dust particles or aerosols. The company is also known to have mixed powdered chemicals in a manner which allowed the chemicals to become airborne throughout the process buildings. These chemicals could have also been transferred to the outside atmosphere via exhaust fans. (Att.

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

The company has not been located at the Newark facility for more than twenty years, therefore a potential for fires or explosions as a result of Hummels' activities is very low.

X [illegible] — X [illegible] — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

It is unknown what type of disposal/storage methods were used by the company at the Newark facility. However, poor housekeeping and operational practices, which are a trademark of Hummel, may have lead to improper disposal on adjacent properties which are easily accessible to private citizens.
Attachment C,E

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

Soil contamination may have occurred as a result of poor housekeeping and operational practices which are common at Hummel Chemical facilities. Also, since dioxin type compounds, similar to those produced by the company, do not readily biodegrade or migrate through soil, it is likely any of these substances disposed by the company are still present.
Attachment A,C,E

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

There are no drinking water sources in the area, therefore no potential exists.

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

Because Hummel was known to have mixed powdered chemicals in a manner which allowed the chemicals to spread throughout their process building, it is likely employees of the current occupant may come into contact with these chemicals if the building was not completely decontaminated.
Attachment C

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

Private citizens could be exposed to hazardous substances which were improperly disposed by the company. Citizens could come into contact with the substances as dust particles or aerosols which were blown off site. A large residential area lies only .5 miles west of the site.
Attachment A, C

FTA0000046

EPA FORM 2070-12 (7-81)

946030197

EPA

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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NJ	D002174712

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] J. DAMAGE TO FLORA — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

04 NARRATIVE DESCRIPTION

Flora may be impacted by hazardous substances disposed by the company, especially dioxin type compounds which may accumulate in plant tissues.

Attachment A pp. 33-34

01 [X] K. DAMAGE TO FAUNA — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

04 NARRATIVE DESCRIPTION

Fauna may be impacted by hazardous substances disposed by the company, especially dioxin type compounds which may accumulate in animal tissues.

Attachment A pp 25-33

01 [X] L. CONTAMINATION OF FOOD CHAIN — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

04 NARRATIVE DESCRIPTION

Hazardous substances disposed by the company, especially dioxin type compounds which bioaccumulate in animal tissues, may biomagnify through the trophic levels of the food chain. This is of great concern in this area because of the proximity to the Hackensack Meadowlands. Attachment A pp. 25-34

01 [X] M. UNSTABLE CONTAINMENT OF WASTES — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION Attachment C, E

Little is known about storage/disposal methods used by Hummel at the Newark facility. However because of the poor housekeeping and operational practices observed at the company's South Plainfield facility, it is likely similar conditions existed in Newark.

01 [X] N. DAMAGE TO OFFSITE PROPERTY — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

04 NARRATIVE DESCRIPTION

Adjacent properties may be damaged by improperly disposed hazardous substances.

01 [X] O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

04 NARRATIVE DESCRIPTION Attachment D

Hummel is known to have disposed hazardous substances through floor drains at their South Plainfield facility. It is likely hazardous substances were also disposed of in this manner as well as through storm drains at the Newark site. Floor drains lead to the local sewage authority and storm drains discharge to the Passaic River.

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED

04 NARRATIVE DESCRIPTION

It is unknown what type of disposal was used at the site by Hummel. However, because of the lack of environmental concern shown by Hummel at its South Plainfield location, it is likely illegal/unauthorized dumping has occurred at the Newark site.

Attachment C,D,E

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

This company is not related to the Hummel-Lamolin Corp. which is located in the same complex.

V. SOURCES OF INFORMATION

Attachment A - EPA publication - "DIOXINS" - EPA-600/2-80-197
Attachment B - Memos to File
tachment C,D,E - NJDEP/Hazardous Waste Management/Bureau of Planning and Assessment
tachment F - Groundwater Survey of Essex County

EPA FORM 2070-13 (7-81)

FTA0000047

946030198

HUMMEL CHEMICAL COMPANY
185 FOUNDRY STREET
NEWARK, ESSEX COUNTY
EPA ID# NJD002174712

The Hummel Chemical Company formerly operated a chemical warehouse/distribution center out of a small industrial complex at 185 Foundry Street in Newark, Essex County. It is also likely that operations at the site included reacting and mixing of chemicals, most of which were in powdered form. Hummel Chemical was located in Newark until the mid 1960's when operations were transferred to South Plainfield, New Jersey. It is not known how long the company operated at the Newark site. It is also not known what buildings within the complex the company may have occupied. Officials of Hummel Chemical and the Norpak Corporation/KEM Realty Company, who formerly owned a majority of the property in the complex, were questioned as to what buildings Hummel Chemical may have occupied, but no records with that information are available.

Very little information is available concerning the company's operations in Newark. According to EPA's publication, "Dioxins", published in 1980, potential dioxin precursors such as 2,4-dinitrophenoxyethanol, 3,5-dintrosalicylic acid, picric acid and hexachlorobenzene were present at Hummel Chemical Newark plant. However, it is unknown what other types of chemicals may have been present at the site or what types of storage/disposal methods were used by the company.

A review of information concerning the company's South Plainfield facility had revealed that poor housekeeping and operational practices had led to fires, explosions and employee injury, as well as groundwater, surface water and soil contamination. Because of the company's disregard for employee and public health and safety, as well as the lack of concern for the environment as shown at their South Plainfield facility, it is probable that a similar sentiment existed at the company when they operated in Newark. Therefore, it is likely that improper disposal of hazardous substances also occurred at the Newark facility. Because dioxin type compounds like those which were present at Hummel Chemical's Newark facility do not readily migrate vertically through the soil column, it is likely that many of these substances may still be present near the soil surface. This is cause for concern as the site, as well as adjacent properties, many of which are vacant and may have also been used for disposal, are easily accessible to the public. It should also be noted that since many of the substances used by Hummel Chemical were in powdered form, and dioxin type compounds have an affinity to bind with soil particles, it is possible for contaminants to be transported offsite as dust particiles or aerosols. This would allow contaminants to spread throughout the area and possibly contaminate residential areas. The nearest residential area lies only .5 miles west of the site. Since storm drains in the area discharge to the Passaic River, it is also possible for the river to be contaminated by runoff from the site. This may have a direct impact on aquatic biota in

FTA0000048

the river because dioxin type compounds may bioaccumulate in aquatic organisms and pose a biomagnification threat, which leads to the possibility of food chain contamination. Because the dioxin type compounds do not readily migrate vertically through the soil, this also makes them readily available to terrestrial organisms. Migratory birds would seem to be the most susceptible because of the proximity of the site to the Hackensack Meadowlands. It is also possible that other hazardous substances utilized by Hummel Chemical, besides the dioxin type compounds, may have also been improperly disposed and contributed to soil and surface water contamination. Depending upon the characteristics of these substances and their ability to migrate through the soil column, it is possible groundwater contamination has occurred. Groundwater in the area, which is used only for industrial purposes, is derived from two aquifer systems. The high yield aquifer originating from the Brunswick Formation, which is the main source of groundwater in Essex County, may be contaminated by substances disposed at the site although it is relatively deep and is protected in much of the area by confining clay layers. However, the low yield aquifer existing in the unstratified drift of Pleistocene age is more likely to be affected since it exists near the surface (Attachment F).

Another cause for concern is the health of employees of the current occupant of the buildings formerly utilized by Hummel Chemical. Because of mixing operations used by the company at their South Plainfield facility which allowed chemicals to spread throughout the process buildings, it is highly likely this also occurred at Newark. If these buildings were not properly decontaminated after Hummel Chemical's departure, employees may be constantly inhaling dangerous compounds.

Although the compounds known to be present at the site are considered Class III dioxin compounds (compounds which have a very low potential to change into dioxins), a high priority for further investigation is warranted because of the lack of information available and the threats to the population and the environment. It is recommended that a site inspection be conducted as soon as possible to characterize contamination present on site. Sampling should include shallow soil samples to be anlayzed for dioxins and priority pollutants plus forty, as well as deep soil samples to be anlyzed for priority pollutants plus forty. Determination of sampling locations and number of samples would be based on information obtained during an on-site presampling assessment. It is also recommended that officials of Hummel Chemical physically identify the buildings which they believe the company may have occupied. Wipe samples to be analyzed for dioxins should be taken from inside these buildings to determine if residues from past operations still exist which may constitute a health hazard to current employees. Based on review of sample analyses, additional investigations, including installation of monitor wells to survey groundwater conditions may also be necessary. All potential migration pathways of substances off site, including storm drains, should also be investigated and closed off. Lastly, it should also be ensured that proper security is implemented to prevent unauthorized entry onto the site.

FTA0000049

Form ADM-012

MEMO

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO FILE DATE 26 AUG 1987

FROM RBB ROBERT BERETSKY, HSMS IV, BUREAU OF PLANNING AND ASSESSMENT

SUBJECT HUMMEL CHEMICAL COMPANY, NEWARK, ESSEX COUNTY

The writer spoke with Mr. Bernard Shoen of the Hummel Chemical Company concerning their facility in Newark, Essex County.

According to Mr. Shoen, the company was located at 185 Foundry St., in Newark but has not operated at the site for approximately 25 years. Mr. Shoen stated the company may have leased building #18 but he was not certain. He also stated that approximately 90% of the operation at the Newark facility consisted of warehousing.

The writer also spoke with officials of the Norpak/KEM Realty Company which had owned the property in the mid 1960's. According to Mr. Corasi of Norpak, Hummel Chemical did lease property at 185 Foundry St., but they could not find any records stating what buildings Hummel may have occupied.

HS203:mz

FTA0000050

Attachment B-1

946030201

MEMO NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO FILE DATE SEP 14 1987

FROM ROBERT BERETSKY, HSMS IV, BUREAU OF PLANNING AND ASSESSMENT

SUBJECT HUMMEL CHEMICAL COMPANY, NEWARK, ESSEX COUNTY

On 9/8/87, the writer spoke with Chief Busini of the Newark Fire Department concerning the subject facility. Chief Busini stated he spoke with fire inspectors who investigate the Foundry Street area but none of them have been with the fire department long enough to remember Hummel Chemical. Chief Busini then referred the writer to Newark Fire Department Engine 16 (201/733-7461) who are first responders to many fires. The writer spoke with Mr. Mertz of Engine 16 who stated he remembers Hummel Chemical being in the Foundry Street complex but does not know what buildings they occupied. Mr. Mertz also stated they responded to numerous fires and chemical spill incidents at the Foundry St. complex but he does not remember if any were at the Hummel Chemical facility.

HS203:mz

FTA0000051

B-2

946030202

State of New Jersey

DEPARTMENT OF HEALTH
JOHN FITCH PLAZA
CN 360, TRENTON N.J. 08625

February 8, 1982

Dr. Ramsey Christian
Compliance Officer
Hummel Chemical Company, Inc.
Harmich and Metuchen Roads
South Plainfield, New Jersey 07080

Dear Dr. Christian:

Enclosed please find a copy of our report on Hummel Chemical Company, Inc. It contains a brief description of the plant as well as an account of the two accidents which occurred in December of 1981. There are also recommendations included in the report, although they do not cover all areas of concern.

Andrew Rowland, an Occupational Health Specialist in our Program, will be contacting you to arrange health and safety training for your employees. We appreciate your cooperation and concern in this matter.

Sincerely,

Jerry Roseman
Program Specialist III
Occupational Health Program

JR/jmc

FTA0000052

E1

Attachment G-1

946030203

SECTION I - INTRODUCTION

Following is a report which discusses three site visits conducted at Hummel Chemical Company during December of 1981. Also included are recommendations regarding engineering controls, work practices and employee education aimed at reducing potentially hazardous occupational exposures at the plant.

Hummel Chemical Company, Incorporated, is presently located in South Plainfield, New Jersey. Previously the plant was located in Newark, New Jersey. The warehouse at the South Plainfield site is approximately 25,000 square feet in size. Hummel employs between 15 and 20 people. The company operates primarily as a chemical wholesaler; that is, a number of different chemicals are bought in relatively large quantities and are subsequently resold in smaller amounts, often with little or no processing. Sometimes, however, Hummel Chemical mixes, sifts, screens, mills or reacts chemicals in order to produce a desired product. The greatest potential for hazardous occupational exposures exists during these operations.

SECTION II - BACKGROUND

Hummel Chemical Company, Incorporated, is a small chemical wholesaler which engages in chemical processing to a limited degree. Most of the processing is mixing, milling and screening a variety of materials. A small percentage of production involves reacting chemicals such as hexachlorobenzene, hydrazine and others to produce contracted compounds.

There are a number of toxic chemicals on site at Hummel Chemical. Many of these pose a serious fire and/or explosion hazard as is evidenced by the history of such incidents at the South Plainfield Plant. Since

FTA0000053

946030204

Hummel has been operating in South Plainfield for [illegible] have been eight fires and one explosion reported. Most of the fires seem to be associated with similar causal conditions. There are many chemicals in the plant that are strong oxidizers. These include potassium nitrate, sodium nitrate and ammonium perchlorate, among others. Hummel also stores a number of organic chemicals, which can act as fuels. The fire and explosion hazards arise when an oxidizer comes in contact with a fuel in the presence of a spark, flame or some other ignition source. At Hummel, it appears that many of the fires started in those areas of the plant where the milling, mixing or screening of oxidizing materials are performed.

The two most recent accidents at the plant occurred on 12/1/81, and on 12/3/81. On 12/1/81 there was a fire at Hummel Chemical Company in which one employee was injured. Two days later there was an explosion at the plant. No one was injured in the second accident, although parts of the building suffered significant structural damage. According to South Plainfield Fire Chief John Cotone, the fire department is developing recommendations for Hummel Chemical to reduce the potential fire and explosion risks at the plant.

The Occupational Health Program was made aware of the situation at Hummel Chemical Company by Robert Kunze, Middlesex County Occupational Health Inspector. Mr. Kunze and the South Plainfield Fire Department, as well as the New Jersey Department of Environmental Protection's Hazard Management Unit, responded to both accidents.

According to company statements the operation that was being performed at the time of the 12/1 fire involved the screening of a product called SDR. SDR is a mixture of potassium nitrate, charcoal and sulfur. Ramsey Christian, the firm's compliance officer, informed us on our first visit to the plant on 12/10, that the exact cause of the fire was unknown; however, he felt that during the screening process a more active mixture than the one they were attempting to produce may have inadvertently formed. It was this "active mixture"

PTA0000054

946030205

which could have been ignited if a spark was produced by dragging one of the steel rimmed drums across the concrete floor. On 12/3/81, Hummel Chemical Company was again the scene of an accident. This time an explosion occurred as the result of a reaction between chlorodinitrobenzene and ethylene glycol, which was being carried out in a 150 gallon stainless steel jacketed reactor. The material produced by the reaction of these two chemicals was dinitrophenoxyethanol, a plasticizer used in rocket motor fuel. Again, Hummel representatives stated that they had been unable to discover the reasons for the accident.

SECTION III - DESCRIPTION OF PLANT OPERATIONS AND HAZARDS

The fire that occurred on 12/1/81 started in the "pit area" of the plant. Two types of operations are carried out in the pit area - milling and screening/sifting. Both processes are similar in that a powdered or crystalline raw material is poured through a screen in the floor of the upper level in the area. It then passes through a cloth tube before entering either the milling or screening/sifting machinery. After processing, the refined product is collected in fiber drums which are then sealed and prepared for shipment.

On 12/10/81 and 12/21/81 I, along with Middlesex County Health Inspector Robert Kunze, identified a number of potentially hazardous conditions at the plant. There was inhalation hazard posed by high concentrations of dust in the air of the pit area. We also experienced irritation to the skin, eyes and mucous membranes by certain chemicals (eg. potassium nitrate). There is also a potential risk of fire and/or explosion if high concentrations of oxidizers in the room air come into contact with a "fuel" in the presence of ignition source. In addition, there were potential health hazards associated with high noise levels and by the storage and handling of highly toxic and, in some cases, carcinogenic chemicals.

FTA0000055

946030206

On 12/21/81, Hummel Chemical Company was engaged in the milling of pure potassium nitrate using the process described above. Two employees, one on the upper level and the other in the pit area, were responsible for the operation being performed. As the employee on the upper level slit open the bags of powdered potassium nitrate and poured it through the screen in the floor, large clouds of dust were evolved. As the potassium nitrate passed from the cloth tube into the milling machine clouds of dust again escaped into the workroom air. Finally, on the floor of the pit area where the second employee stood with the fiber drums to be filled, large quantities of dust covered the floor and contaminated the entire area All walking - working surfaces were coated with dust. Both Robert Kunze and I experienced coughing and choking and a burning sensation to the skin, due to the concentration of potassium nitrate dust in the air. We were observing the operation from the warehouse where a number of highly toxic organic chemicals are stored. That the dust was present in the warehouse as well as the pit area is a source of concern.

SECTION IV - RECOMMENDATIONS

We feel that the employees at Hummel Chemical Company face a potentially hazardous situation. This judgement is based on the following factors: (1) A history of fires at Hummel Chemical Company; (2) Poor workpractices and housekeeping at the South Plainfield plant; (3) High dust concentrations in the pit area of the plant which may pose a health hazard as well as a fire hazard; (4) Employee exposure to high noise levels; (5) The lack of adequate ventilation or other engineering controls as a mechanism for reducing dust levels; (6) The lack of protective equipment worn by employees; and (7) The lack of effective worker education at Hummel Chemical Company.

It is hoped that the following recommendations, when implemented, will

FTA0000056

946030207

begin to minimize the health and safety hazards faced by employees at Hummel Chemical Company. These recommendations do not represent a final or a comprehensive effort at correcting all the problems discussed in this report. Hummel Chemical Company should work with a qualified ventilation engineer in order to develop engineering controls based on the recommendations made in this section. Only with the help and cooperation of Hummel Chemical Company can we completely address and correct the wide range of health and safety problems which exist at the plant.

(1) In order to minimize dust exposure to employees who are pouring chemicals through the grating in the floor of the upper level of the pit area, a portable canopy-type enclosure arrangement should be used to enclose the floor screening. The hood should include a slot into which a knife blade is mounted and which would be used to slit open the bags of material.

(2) Consideration should be given to replacing the cloth tube used during milling operations with tubing material that would not retain large amounts of dust. This material, possibly plastic, should form a dust tight seal with any equipment it feeds into.

(3) Another source of high dust exposure occurs as the material passes from the milling machinery into drums. There are a number of different types of drum hoods connected to a local exhaust system leading to a bag house which would be appropriate.

(4) In consultation with a ventilation engineer it might prove feasible to design a ventilation system which encloses the entire milling and drum-filling operation. We could work with Hummel in contacting a consultant and in designing an acceptable system.

(5) Drums should be made of materials that are flame resistant. To prevent the build-up of static electrical charges, drums, especially those with metal or plastic rims, should not be dragged across the workroom floor. A handtruck could be used to move the drums.

* Enclosed find copies of diagrams on bag filling and barrel filling operations from the "Industrial Ventilation Manual." Hopefully these can serve as illustrations of the types of designs which you could adopt.

FTA0000057

946030208

(6) All tools, including shovels, used in the pit area of the plant should be composed of non-sparking alloys such as beryllium or copper. A listing of local manufactures of such tools is attached.

(7) If the Portasifter will be used to sift materials directly into drums, a gasket of some type must be used to provide a dust-proof seal. In order to minimize dust exposures to employees engaged in pouring chemicals through the sifter a hood arrangement similar to the one discussed in (1) of this section could be used.

(8) Employees who work in the pit area performing milling and sifting operations should wear approved NIOSH respirators equipped with the proper filtering medium. They should also wear gloves and protective goggles. The health department can provide a listing of approved equipment.

(9) Employee education should be conducted at Hummel Chemical Company covering such issues as exposure to toxic substances, the risk of fire and explosion in the pit area, the importance of personal protective equipment and other relevant topics.

The above recommendations are by no means exhaustive and deal primarily with the fire and explosion risks which exist at the plant. Further investigation and discussion need to be conducted with representatives of Hummel Chemical Company in order to effectively address some of the other potential health and safety problems faced by Hummel employees.

FTA0000058

946030209

State of New Jersey

OFFICE OF ADMINISTRATIVE LAW

IN THE MATTER OF:) INITIAL DECISION

HUMMEL CHEMICAL COMPANY, INC.) OAL DKT. NO. EWR 5849-79

APPEARANCES:

Richard A. Ragsdale, Esq. for Petitioner

Rebecca Fields, D.A.G. for Respondent Agency

BEFORE THE HONORABLE SOLOMON METZGER, A.L.J.:

This matter arises out of the administrative order and notice of intent to assess a civil administrative penalty issued to Hummel Chemical Company by the Director of the Division of Water Resources (Agency) as a result of alleged violations of the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., and regulations promulgated thereunder. Petitioner requested a hearing and the matter was transmitted to the Office of Administrative Law as a contested case pursuant to N.J.S.A. 52:14F-1, et seq. A hearing was commenced on May 9, 1980, continued on May 16 and brought to conclusion on May 29, 1980. The parties were permitted an opportunity to submit proposed findings of fact and supplementary written argument, and the last papers were received and the record closed on June 24, 1980.

Petitioner is in the business of processing chemicals for resale. The Agency asserted that as a result of its operations Petitioner had discharged chemical and other pollutants into the ground and surface waters of the State in contravention of law. It is seeking to impose a $5,000 monetary penalty, and to require Petitioner to install monitoring wells on its site so that effects upon ground water, if any, can be measured. There is no dispute that Petitioner came into essential compliance with the law in December of 1979, when it connected its operations to the Middlesex County Sewerage Authority system, and its discharges began to flow into and be processed through that system. The Agency's position, however, is that if the facts are as it asserts, the

Attachment D-1

FTA0000059

946030210

potential hazards from prior unpermitted discharg[illegible] penalty, but a monitoring well program to assess the prior impact and to p[illegible] effort.

Petitioner did not entirely deny its responsibility for the pollution found by the Agency. It asserted as its major defenses however, that at least some of the responsibility lay elsewhere and that the Division's testing procedures were not entirely satisfactory and, thus presumably for both reasons, it ought not to be put to the expense of installing a monitoring well system, nor should it be required to pay the full $5,000 penalty.

Petitioner made a number of preliminary legal arguments in opposition to that part of the Agency's order requiring monitoring wells. These positions are independent of any factual development of the case and if founded would be generally dispositive of that part of the matter in this forum. These arguments are treated here initially under Part I of the opinion.

I

The monitoring well requirement is set forth at paragraph 17 of the Division's order as follows:

> Within sixty (60) days of receipt of this Order, Hummel Chemical shall obtain the Division's approval of a plan for the installation of monitoring wells to determine the extent of ground water contamination beneath the Hummel Chemical site caused by the aforesaid discharges, install wells in accordance with the approved plan, collect ground water samples from said wells, have said samples analyzed by a qualified laboratory for all chemical substances that have been used and produced by Hummel Chemical at said site, and submit the results of said analysis to the Division. Hummel Chemical shall provide the Division with access to said wells for sampling and shall further provide the Division with adequate notice to allow the Division to collect duplicate samples at all times that Hummel Chemical samples said wells.

Petitioner's opposition to the monitoring well requirement rests on two basic arguments. Firstly, it argues that the Agency is without authority to impose such a requirement both because enforcement provisions of the Water Pollution Control Act, supra, do not authorize it, nor could it as this amounts to injunctive relief, available only through the courts. Secondly, and in the alternative it urges, that in failing to adopt some

FTA0000060

946030211

Following the chemical analysis of these discharges, a letter was sent to Petitioner on February 24, 1977 informing it that it was operating without required permits, under the Permit to Locate Program, N.J.S.A. 58:10-17, et seq., see note 1, and that plans and specifications must be filed within thirty days of receipt of the letter. Mr. Maack testified that Petitioner through its attorney Richard Ragsdale, first contacted him on April 4, 1977 requesting a waiver from permit requirements, if Petitioner agreed to tie into the Middlesex County sanitary sewer system. Mr. Maack testified that he informed Mr. Ragsdale that such a waiver could be obtained if Petitioner did actually tie into the sewer system. However, as of September 24, 1979, the date the administrative order was issued, Petitioner had not made the necessary connections. The sewer connection was not completed until December of 1979.

Mr. Maack testified that in the spring of 1979 the Agency received a complaint concerning unpermitted discharges into a tributary of Bound Brook in the area of Petitioner's site and on June 20, 1979 inspectors were sent to the site. Photographs admitted into evidence (A-10c, A-10h) show a watercourse behind Petitioner's property, described by the Agency as a tributary and by Petitioner as a ditch. There was no dispute however, that this watercourse originated along Petitioner's common border with Steel Deck, in all likelihood being fed by storm water runoff from Steel Deck's warehouse building, and by ground water. It then curved behind Petitioner's property, makings its way to Bound Brook and eventually to the waters of the Raritan. Mr. Maack testified that a water sampling was taken in the tributary at the point of a discharge pipe, which though not on Petitioner's property, was thought to be a discharge point for its chemical pollutants. He described the results of the laboratory analysis generally as being highly polluted. These contained lead at a level of 2.5 ppm (fifty times greater than permitted in surface waters, N.J.A.C. 7:9-4.4(a)(18)(ii)), concentrations of pesticides (which are considered hazardous, N.J.A.C. 7:14-8.3, and for which there is no acceptable minimum level, N.J.A.C. 7:9-4.6(c)(2)(ii)), ammonia at 181 ppm (considered hazardous, N.J.A.C. 7:1E-1.3, Appendix B, and for which there is no minimally acceptable level in surface waters, N.J.S.A. 7:9-4.6(c)(2)(ii)), COD at 609 ppm (acceptable range 20-40 ppm, supra), and 167 ppm of BOD (for which a 90% treatment reduction is required before it may be discharged, N.J.A.C. 7:9-8.29).

After receiving the report of his inspector at the scene Mr. Daniel Cutugno, and the laboratory analysis of that day, Mr. Maack dispatched Mr. Cutugno and Mr. Charles Johnson on July 18, 1979 to conduct further investigations at Petitioner's site.

FTA0000061

946030212

Mr. Johnson then testified that on July 18, 1979, he observed the various processing operations taking place throughout the main building. He described Petitioner's milling and drying room operations. He testified that much dust and powder were in the air and on the floor as a result of Petitioner's milling operations, and this was washed down and pumped out of the building into an unlined ditch to the west of Petitioner's property, just across the Conrail tracks, and running approximately the length of Petitioner's main building. He also testified that he inspected the drying room where he saw a yellow powdered substance on the walls, on the floor and on the dryers. This material was also washed down and pumped out of the building. This wash down was directed to a pit behind the main building, from where it made its way through a pipe, shown on Petitioner's plans (A-1), to the southern end of Petitioner's property, and off the property to the discharge pipe leading into the tributary to Bound Brook where the June 20, 1979 sampling had taken place. He also testified that he observed a general area where this yellow powder was being spilled on the ground behind the main building.

Mr. Johnson testified also concerning two underground holding tanks located in the back of Petitioner's storage building. He testified that Dr. Schoen had explained to him that these again were for floor washdown and for any spills occurring in the storage building. The material would be stored in these tanks and then was supposed to settle out.

Mr. Johnson then inspected the discharge pipe, where Mr. Cutugno had taken his June 20, 1979 sample. On this date, however, he testified that a grayish-white liquid was flowing out of the pipe at an approximate rate of "one-tenth of the flow of the entire tributary." He testified that there was dead vegetation along the banks both upstream and downstream of the discharge and a grayish-white sediment lined the entire tributary.

Three laboratory samples were taken during the July 18, 1979 inspection (A-101). Sample C00304, taken from the drainage ditch running parallel to Petitioner's main building, indicated the presence of sodium at a level of 78.0 ppm, cyanide at .184 ppm (approaches the 0.2 ppm standard, 44 F.R. 43666, July 25, 1979), BOD at 63 ppm (for which a 90% outside reduction is required, supra), nitrates at 44 ppm (10 ppm is the standard, N.J.A.C. 7:10-5.1, 40 C.F.R. 141.11(b)), and ammonia at 1.3 ppm (no acceptable level, supra). Sample C-00307 was, according to Mr. Johnson taken from water directly in front of the discharge pipe in the tributary leading to Bound Brook. It contained COD at 269 ppm (acceptable range 20-40 ppm, see supra), BOD at 171 ppm (90% reduction required, supra), potassium at 475 ppm (no acceptable minimum level), calcium at

FTA0000062

946030213

129 ppm (no acceptable minimal level), total dissolved solids (TDS) at 4168 ppm (maximum level 500 ppm, N.J.A.C. 7:10-7.2(a)(2)) and nitrate 17.6 ppm. Sample C00310 was taken from the holding tanks behind Petitioner's storage building. It showed COD at 172 ppm (acceptable range 20-40 ppm, see supra), TDS at 1787 (maximum 500 ppm, supra), BOD 165 ppm (90% reduction required, see supra).

He characterized many of these concentrations as extremely high and either not generally occurring in surface waters, or not occurring at these levels.

Mr. Daniel Cutugno was called to clarify some of the testimony originally presented by Charles Maack who testified concerning the June 20, 1979 inspection from reports and conversations with Mr. Cutugno. He explained the procedures used in taking the June 20, 1979 samples, and how they were each preserved and maintained prior to delivery to the State Laboratory for analysis.

Mr. Cutugno also testified that a whitish-gray material up and down the tributary in the area of the discharge pipe had a strong smell of ammonia, that all the vegetation alongside the tributary in the area of the discharge pipe was dead, and that generally the condition of the tributary was "very bad." He testified that initially he had visited the area in response to a complaint against Petitioner's neighbor Ortho, however, his investigation led him to Petitioner.

The Agency next presented Mr. William F. Althoff, a geologist, in charge of ground water pollution analysis in the Bureau of Ground Water Management. His testimony was directed to the monitoring well requirement in the Division's order. He testified firstly as to the general geology of the area, which he described as being made up to a depth of some fifty feet of stratified drift material which was poorly sorted, and thus, highly porous and permeable. He indicated that the water table was relatively high, and given the levels of chemicals and physical materials revealed by the laboratory analysis, there was reason to worry that there had been ground water pollution. He testified that while surface water analysis was fairly straightforward, measuring impact on a ground water reservoir was more difficult and required underground monitoring devices.

Petitioner presented its position through the testimony of Dr. Bernard Schoen, a Company Vice-President, and Dr. Alfred M. Hirsch, a consulting geologist. Dr. Schoen

FTA0000063

946030214

testified that Petitioner has never bought, stored, sold or dealt with DDT, DDD or DDE. Dr. Schoen testified that all of the conduits which had formally carried effluent to the various ditches, pits and pipes, on and around the property, had either been broken up or plugged when Petitioner connected its facility to the Middlesex County Sewer System.

He also testified that Petitioner had been diligent in attempting to obtain State and local approval for its sewer connection, but that because of delays in the approval process and delays as well with its contractors, much time was lost. It was stipulated that on April 4, 1977 Mr. Ragsdale representing Petitioner telephoned the Agency concerning a waiver from permit requirements, and the possibility of installing a sanitary sewer connection; that on May 6 Mr. Ragsdale informed the Agency that engineers had been retained to prepare plans; that on August 18, 1977 Mr. Ragsdale informed the Agency that these plans had been submitted; that these were approved on August 30, 1977 by the Borough of South Plainfield; that the Agency received an application for its approval on December 2, 1977, and approved the extension on February 16, 1978; and that a construction contract between Petitioner and Oak-lane Plumbing and Heating, Inc. was received on March 14, 1979, the contract date being indicated as March 8, 1979.

Dr. Alfred Hirsch testified that he inspected the site on May 6, 1980 and again on May 12, 1980. Dr. Hirsch agreed essentially with Mr. Althoff's assessment of the geology and water table in the area. He presented photographs (P-2 through P-18) showing the close proximity of Petitioner's neighbor's Ortho, and Steel Deck to Hummel and the tributary to Bound Brook. He saw this situation as allowing easy opportunity for polluted runoff and possibly other chemicals from either of these companies to mix with Petitioner's and make their way into the tributary.

It was his view generally that while the sampling results from the tributary indicated a possible problem, the data was insufficient to isolate and distinguish Petitioner's contribution from that of its neighbors. In his view, the pollutants found in the tributary might have been the result of surface runoff, ground water pollution, flow from the discharge pipes, from dumping, or from other causes which the testing did not isolate. He indicated that the general area seemed to be a dumping ground for garbage and the like and as such, Hummel might be one of many polluters.

FTA0000064

946030215

He criticized various elements of the Agency's testing program, most particularly he thought more testing up and down stream of the discharge pipe was necessary to isolate the pollution's sources. With respect to Mr. Johnson's testimony concerning his estimate of the relationship of the flow from the discharge pipe to the tributary, Dr. Hirsch believed that only precise testing could have disclosed the real flow on that day and he believed such could easily have been accomplished. Neither could he understand why the grayish-white material described by Mr. Johnson (A-10m, n and o) was not analyzed for content.

He testified on cross-examination that Hummel probably was responsible for much of the chloride, sodium, potassium and BOD in the tributary but that there might be others who contributed to this chemical content as well. He did agree that monitoring wells as a device would be very useful in determining ground water direction and rate as well as assisting in the determination of the source of the pollution.

I FIND the facts as follows:

1. Petitioner operated its chemical processing business without a required permit from the Agency, until December of 1979. At that time it completed a sewer connection linking its operations to the Middlesex County Sewerage Authority System, which temporarily waived its obligation to obtain a permit.

2. Petitioner received notice that it was operating without a permit on February 24, 1977.

3. On January 20, 1977 representatives of the Agency observed a large yellowish puddle in the snow on Petitioner's property, being fed by discharge from its main processing building. Laboratory analysis revealed a number of chemical and organic constituents in the discharge which either exceeded existing standards or for which there is no minimally acceptable level, or which are normally set through the permitting process.

4. Laboratory analysis of a water sample taken on June 20, 1979 in the vicinity of a discharge pipe into a tributary to Bound Brook, directly

FTA0000065

946030216

behind Petitioner's site, and connected to its operations, disclosed a high level of pollution either exceeding existing standards or for which there is no minimally acceptable level, or which are normally set through the permitting process.

5. A comprehensive inspection of Petitioner's site conducted on July 18, 1979, recorded the following unpermitted discharges:

   a. From the milling operations discharges were released into an unlined ditch running parallel with Petitioner's western border.

   b. From the drying operations discharges were released to a pit behind the main processing building, and flowed through an underground pipe to the drainage ditch in the tributary to Bound Brook. Additionally, the drying operations caused a yellowish powder to be deposited in a general area behind the main processing building.

   c. Wastes from Petitioner's storage room were directed into underground holding tanks from where they percolated into the ground.

6. Laboratory analysis of water samples taken on June 18, 1979, at the mouth of the drainage pipe behind Petitioner's property, at the end of the drainage ditch running parallel to Petitioner's main processing building, and from the holding tanks behind Petitioner's storage building, revealed high levels of pollution either exceeding existing standards or for which there are no minimally acceptable levels, or which are normally set through the permitting process.

There is no dispute and there can be no doubt that Petitioner's discharges of chemical and organic waste materials prior to December of 1979 were unpermitted, and were pollutants within the meaning of the Act, N.J.S.A. 58:10A-3. It is entirely responsible for those discharges which took place on its property, and it is at the very least a primary contributor to conditions in the drainage ditch running along its western border, and in the tributary to Bound Brook, behind its property. Piping leading from its operations feed directly into these areas.

FTA0000066

946030217

EPA

Potential Hazardous Waste Site

Preliminary Assessment

Hummel Chemical Company, Inc.

10 Harmich Road

SO PLAINFIELD/ MIDDLESEX COUNTY

HTA0000067

Attachment E-1

946030218

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): Hummel Chemical Company, Inc.
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: 10 Hqrmich Road
03 CITY: So. Plainfield
04 STATE: NJ
05 ZIP CODE: 07090
06 COUNTY: Middlesex
07 COUNTY CODE
08 CONG DIST
09 COORDINATES LATITUDE: 40° 34' 09" LONGITUDE: 74° 23' 58"
Block 255 Lot 31
10 DIRECTIONS TO SITE (Starting from nearest public road): Take Rt. 27 north to 287 North; exit at Durham Ave(right) which turns into Hamilton Blv. At approximately a 1/2 mile, take a right on Belmont Ave.; right onto the Ave. First left onto Harmich Rd. proceed to the second building on the right.

III. RESPONSIBLE PARTIES

01 OWNER (if known): B.F.Scheen,Sr.,(VicePresident) Hummel Chemical Company,Inc.
02 STREET (Business, mailing, residential): P.O. Box 250
03 CITY: So. Plainfield
04 STATE: NJ
05 ZIP CODE: 07080
06 TELEPHONE NUMBER: 201 754-1800
07 OPERATOR (if known and different from owner): same
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: XX YES ☐ NO DATE 12/8/81 (Month/Day/Year) (ATTACHMENT A)
BY (Check all that apply): ☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR ☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER (Specify)
CONTRACTOR NAME(S):
02 SITE STATUS (Check one): ☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN
03 YEARS OF OPERATION: 1966 (Beginning Year) Present (Ending Year) ☐ UNKNOWN
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED: Heavy metal compounds, volatile organics, pesitcides and explosive substances. Attachments A1 thru A4; D2 pag. 4,5.
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION: Past records of poor housekeeping practices involving hazardous substances.
1) Observed surface water and sediment cotamination from unauthorized discharges of or waters.
2) Potential groundwater contamination from poor housekeeping practices and spills.

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) XX B. MEDIUM (Inspection required) ☐ C. LOW (Inspection 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
Paul Harvey	NJDEP DWR Enforcement (Central Region	609) 292-0626

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Anne De Cicco	HSMA	NJDEP	609) 292-1210	~~1/24/84~~ (Month/Day/Year)

EPA FORM 2070-12 (7-81)

E-2

FTA0000068

946030219

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____
CUBIC YARDS _____
NO. OF DRUMS 25

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	25	drums	1982 TSP Facility Annual Report Attch.A1 Pg. 3
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OCC	2,4-Dinitrophenol	51-28-5	drums		
OCC	Hydrazine	302-01-2	drums or bags		
OCC	Hexachlorobenzene	118-74-1	" " "		
OCC	Hexachloroethane	67-72-1	" " "		
MES	Lead Nitrate	18256-98-4	" " "	Attachments:	
MES	Lead Dioxide	7439-92-1	" " "	A2,pg.3	
MES	Lead Chromate	18454-12-1	" " "	A3,pg. 2	
MES	Barium Chr	7440-47-3	" " "		
MES	ZincOxide	7440-66-6	" " "		
MES	Cupric Oxide	7440-50-8	" " "		
MES	Antimony Trisulfide	7440-38-2	" " "		
OCC	Ammonium Oxalate	999	" " "		
MES	Lead Thiocynate	592-87-0	" " "		
SOL	Acetone	67-64-1	" " "		
OCC	Ethylene Glycol	107-21-1	" " "	Attachment: A4	
			" " "		

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)

A1-1982 TSD Facility Annual Report; NJDEP DWM,Permits and Registration file.
A2-Industrial Survey Inspection Report, NJDEP Science and Research Rose Tucillo-(984-
A3-Industrial Survey Selected Substances Report-NJDEP Science and Research
A4-Chemical Inventory Report-State Dept. of Health,Occupational Health,Jerry Roseman(984-186

EPA FORM 2070-12 (7-81)

FTA0000069

E-3

946030220

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS _____
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

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

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OCC	Ethylene Glycol	107-21-1			
MES	Arsenic (Paris Green)	7440-38-2			
OCC	Isopropanal	67-63-0			
SOL	Methanol	67-56-1			
ACD	Nitric Acid	7697-37-2	A4		
ACD	Oxalic Acid	144-62-7			
ACD	Rosin Acid	999			
BAS	Sodium Hydroxide	1310-73-2			
OCC	Toluene	108-88-3			
OCC	Methylene Chloride	75-09-2	found in sediment samples D2		
MES	Mercury	7439-97-6	"		
OCC	Resorcinol	108-46-3	A4		
MES	Cyanide	420-05-3	Slight amt. in monitoring well-C		
PES	PP-DDT	50-29-3	found in sediment samples D2		
PES	Chlordane	57-74-9			
PES	Dieldrin	60-57-1			

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)

(See preceding page)

EPA FORM 2070-12 (7-81)

FTA0000070

E-4

946030221

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER

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 (Measure of waste quantities must be independent)

- TONS _____
- CUBIC YARDS _____
- NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

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

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
PES	BHC	319-86-8	found in sediment analysis D2, pg. 4		
PES	PP-DDE	72-55-9			
PES	O,P-DDD	72-54-8			

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)

(SEE PRECEDING PAGE)

EPA FORM 2070-12 (7-81)

E5

FTA0000071

946030222

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 140,863*
02 X OBSERVED (DATE 6/25/81) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Slight amounts of volatile organics, heavy metals and pesticides have been observed in monitoring wells on site; primarily salts and nitrates were observed. Refer to Comments Section.
*Refer to comments section for calculations. Lab Analysis-Attachments C.

01 X B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0*
02 X OBSERVED (DATE 6/24/79) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Lead contamination observed in discharge to an on-site drainage ditch flowing to the Bound Brk. Attachments D and D1 pg. 3.
(Refer to Comments Section) Acetone, Ammonia and Cyanide contamination observed in same drainage ditch D1, pg. 1,4.

01 X C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: 15*
02 ☐ OBSERVED (DATE) X ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Workplace air potentially contaminated
An occupational health inspection identified inhalation hazards from dusts and chemicals.
*Number of employees. Attachement E1 page 3

01 X D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: 15*
02 X OBSERVED (DATE 12/1/81) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Past records of numerous fires and explosions at facility. (Additional accident dates sited in attachment)
*Refer to number of employees. Attachments E and E1.

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

01 X F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: 2.5 (Acres)
02 X OBSERVED (DATE 11/14/79) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Sediment samples from above mentioned drainage ditch observed to be contaminated with heavy metals (Mercury, Nickel, Lead, Copper, Arsenic, etc.) and pesticides (DDT, DDE, Dieldrin, BHC, Chlordane, among others) Attachment D2 pgs. 4,5 and 7.; D1 pg. 3.

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

01 X H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: 15*
02 ☐ OBSERVED (DATE 12/1/81) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Fire and explosion accidents with reported injury. Attachment E1 page 2.
An occupational health inspection identified inhalation hazards from dusts and chemicals. * Represents number of employees. E1 page 3.

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

EPA FORM 2070-12 (7-81)

FTA0000072

E-6

946030223

EPA

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

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 [X] OBSERVED (DATE 6/20/79) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Dead vegetation observed along drainage ditch(tributary)of Bound Brk.
Attachment F,pg. 10.

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

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

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

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

Potential damage to off-site property from unpermitted, contaminated discharges, surface runoff from chemical spill areas and general poor housekeeping practices of hazardous substances. Attachment: General Information

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

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [X] OBSERVED (DATE 7/18/79) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Past history of unpermitted discharges. Attachment F, pg. 14.

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

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Paul Harvey, of DWR Enforcement(Central) recommends that this case be closed based on the low impact this facility had on the groundwater.
Remedial action by Hummel Chem. Co.,Inc. is noted in Attachment G.
For the groundwater contamination section, the population calculations are on the following pa

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

B - NJDEP DWH Enforcement (Central Region)
C3,C,D,F-NJDEP DWR,Central File.
E State Dept. of Health,Occupational Health Jerry Roseman-(984-1863)
C2-Edison Health Dept. C 1 - Middlebrk Health Dept.

EPA FORM 2070-12 (7-81)

FTA0000073

E-7

946030224

I. GROUNDWATER CONTAMINATION

Population Potentially affected:

A. Private Wells- South Plainfield = 78 ATTACHMENT C1
Edison =149 ATTACHMENT C2
227 est private wells w/in3miles of Hummel Property

227 wells x 3.8 pop/well +863 population potentially affected

B. Municipal Water Supply:

-Middlesex Water Company has 2 sets of well fields within 3 miles of Hummel site. Both service approximately 70,000 people. ATTACHMENT C3

70,000x2 + 140,000 people

TOTAL POPULATION POTENTIALLY AFFECTED + 140,000
863
140,863

II. SURFACE WATER CONTAMINATION

Population potentially affected:

Three miles downstream there are approximately 15 homes adjacent to the Bound Brook. There are no known surface water intakes along this section of the Bound Brook. (USGS Quad-Topo. map Plainfield)

FTA0000074

946030225

946030226

HUMMEL CHEMICAL
AKA 185 FOUNDRY STREET SITE
185 FOUNDRY STREET
NEWARK, ESSEX COUNTY
EPA ID # NJD002174712

GENERAL INFORMATION AND SITE HISTORY

The Hummel Chemical Company formerly operated a chemical warehouse/distribution center out of a small industrial complex from the mid-1950s to the mid-1960s. Operations ceased here in the mid-1960s when the company relocated to South Plainfield, New Jersey. The former site is situated in a heavily industrialized section of Newark with the nearest residential area being located 0.5 mile to the west.

Records show that Hummel leased property at 185 Foundry Street from Norpak/Kem Realty Company in the mid 1960's. The exact building that Hummel occupied cannot be verified; however, company officials speculate that it was building #18.

The entire Foundry Street Complex has a long history of occupancy by a variety of chemical related industries dating back to a least 1931. In the early 1930's H.A. Metz Laboratories manufactured unspecified drugs here while the northeastern portion of the site remained undeveloped. In the 1950s, at least two industries, Chemical Industries Inc. and the Arkansas Chemical Company occupied the site. The type of operations that Chemical Industries Inc. was involved in is unknown; however, they may have leased some portions of their property to other chemical companys. Arkansas Chemical manufactured textile related chemicals in the extreme southern portion of the site until 1982. Other past operators include Cellomar, a Division of Polychrome Inc. and Diamond Shamrock. The dates these companies operated here and types of operations are unknown.

Current operators at the Foundry Street Complex include: Sun Chemical Company, Avon Drum Company, Fleet Auto Electric, Automatic Electroplaing, Conus Chemical Company and CWC Industries.

SITE OPERATIONS OF CONCERN

Hummel Chemical operated a chemical warehouse/distribution center for wholesaling chemicals out of their Foundry Street, Newark location. Although little information is available as to the exact operations here, it is likely that they included the reacting and mixing of chemicals, most of which were in the powered form.

According to the EPA publication, "Dioxins", published in 1980, several class III dioxin precursors were present at the Newark location. These chemicals include: 2,4-dinitrophenoxyethanol, 3,5-dinitrosalicylic acid, hexachlorobenzene and picric acid. The identity of additional chemicals present or what types of storage/disposal methods used by the company are unknown.

The company has a history of poor housekeeping and operational practices associated with their South Plainfield facility that may have also occurred at the prior operational facility in Newark.

FTA0000075

Hummel possessed no state or federal permits for discharges to the environment from their Newark facility.

During an October 7, 1988 Presampling Assessment (PSA) conducted by New Jersey Department of Environmental Protection (NJDEP), Bureau of Planning and Assessment (BPA) personnel, most of the exposed soil surface at the site appeared to be stained and saturated with chemicals. Pools of multi-colored chemicals were observed as well as drums of hazardous substances, many of which were leaking and stored in insecure areas which lacked secondary containment. For most industries within the complex, poor housekeeping practices seemed to be routine.

Because a variety of chemical companies have operated here since Hummel moved in the 1960s, it is unlikely that current conditions can be attributed to Hummel.

GROUNDWATER ROUTE

Groundwater beneath the site is derived from a two aquifer system. Directly underlying the site is a low yield aquifer consisting of unstratified drift of the Pleistocene age. During a October 14, 1988, NJDEP Site Investigation (SI), groundwater in this aquifer was encountered at 8.5 feet. The groundwater flow in this shallow unconfined aquifer is assumed to be east, southeast towards the Passaic River and Newark Bay. The Triassic Brunswick Formation, which consists of dull red shale interbedded with siltstone and occassional layers of sandstone, is found beneath the unstratified drift. The formation is relatively deep and protected in much of the area by confining clay layers; however, moderate permeability is possible due to extensive fracturing. Because cracks in the sedimentary rocks of the Triassic Age intersect one another at many different angles, water can move in any direction.

Two monitoring wells were sampled during the October 14, 1988, NJDEP SI. Monitoring Wells 1 and 2 are located on the former Hummel-Lanolin (not related to Hummel Chemical) property within 50 feet on one another in order to monitor a former underground storage tank. Monitoring Well 1 is 10.5 feet deep while Monitoring Well 2 is 10.7 feet deep with both wells tapping the shallow unstratified drift-aquifer. Because of the extremely slow recharge rate of the groundwater in this area, the monitoring well samples were analyzed only for Volatile Organic Compounds (VOCs) and metals out of the planned Target Compound List (TCL) plus 30 peaks.

The following table represents the significant monitoring well results: (note: all results in ppb)

	MW-1	MW-2
benzene	6	4
arsenic	2020	
barium	2200	
cadmium	1530	34.9
copper	2660	
lead	20400	127
mercury	4.2	77.1
zinc	51500	84600

FTA0000076

There are numerous industrial wells within a three mile radius that tap the Brunswick Formation, however, groundwater is not used as a potable supply source in the area. Hummel has never possessed any permits or been issued violations for dicharges to the groundwater associated with the former Newark facility.

SURFACE WATER ROUTE

The Foundry Street Complex consists of buildings that are in close proximity to each other, separated only by small alleyways. These alleyways run throughout the site and are bisected by common storm drains, which receive stormwater runoff and, in some cases, direct discharges from the various industries. Because the industrial complex is so old, it is not known which, if any, of the storm drains are connected to the Passaic Valley Sewage Authority (PVSA). Any discharges or drains that are not connected would most likely discharge into the nearby Passaic River.

The confluence of the Passaic River, Hackensack River and Newark Bay lies approximately 3000 feet to the east of Foundry Street Complex. These waterways are used for industrial, recreational and commercial purposes.

During the October 14, 1988, NJDEP SI, four surface water and five sediment samples were collected from the storm drains and analyzed for the TCL plus 30 peaks. Numerous contaminants were detected at varying concentrations in both the surface water and sediment samples. Table 1 summarizes the significant results. (note: all results in ppb with the exception of the non-aqueous inorganics which are reported in ppm) See Map 2 for sample locations and Attachment A for sample descriptions.

Because Hummel has not operated here for 25 years, the contamination detected in these samples cannot accurately be connected to their prior operations.

AIR ROUTE

Hummel did not possess any permits or receive any violations for releases to the air from the Newark facility. Since their operations in Newark ceased in the mid-1960s there is currently no potential for contamination of the air; however, migration of air-borne contaminants in the past cannot be ruled out.

During the October 14, 1988, NJDEP SI, ambient air readings of up to 40 ppm as isobutelyne on the HNu and over 10 ppm as methane on the OVA were observed. This would indicate that current operations may be contributing to air pollution.

SOIL

On October 14, 1988, NJDEP, BPA collected 15 soil samples to be analyzed for the TCL plus 30 peaks and 5 to be analyzed for the 2,3,7,8-TCDD isomer of dioxin. Although dioxin was not detected in any of the samples, this does not guarantee that it is not present on site. See Map 2 for sample locations and Attachment A for sample descriptions. Table 2 summarizes the significant results.

During the same inspection, the ground surface was observed to be stained throughout the site from chemical spills. Leaking drums with no secondary containment were also noted.

FTA0000077

Because of the presence of a variety of chemical companies over the years, it is not likely that any present soil contamination can be attributed to the former Hummel facility.

DIRECT CONTACT

There have been no reported incidents of direct contact in relation to the Hummel operations at this location; however, there is currently a potential for direct contact with contaminanted soil due to the absence of 24-hour barriers.

FIRE AND EXPLOSION

There have been no reported fires or explosions directly associated with the Hummel, Newark operations; however, Newark Fire Department personnel recall responding to fires and chemical spills at the Foundry Street Complex but could not recall if any were at the Hummel facility.

ADDITIONAL CONSIDERATIONS

The presence of many bioaccumulative and biomagninfication threats such as pesticides, PCBs, mercury, cadmium, and lead in the surface water and soil leads to a potential to damage the flora and fauna and subsequently adversely affecting the food chain. The aquatic ecosystem of the Passaic River, which receives the drainage discharges, would be most immediately affected.

ENFORCEMENT ACTIONS

There are no records of enforcement actions taken against the Hummel, Newark facility.

PRIORITY DESIGNATION

Because damage to human health or the environment is not likely due to the location of the site in a highly industrialized area, a low priority is assigned.

RECOMMENDATIONS

Further investigation of the current operators at the Foundry Street Complex is indicated by the levels of contaminants detected during the October 14, 1988 NJDEP SI. A Responsible Party (RP) search is necessary due to the number of tennants and owners over the years. Following completion of the RP search, the case should be transferred to Case Management for initiation of clean-up activities.

A delineation of the storm drain system should be performed and, if necessary, hook up to the PVSA should be completed.

Submitted by:

Elizabeth Torpey
December, 1989

FTA0000078

TABLE 1

RESULTS IN PPB	SW-1	SW-2	SW-3	SW-4	SED-1	SED-2	SED-3	SED-4	SED-5
VINYL CHLORIDE					29				
METHYLENE CHLORIDE									9900
ACETONE									25000
CARBON DISULFIDE								14	
1,1-DICHLORETHANE				15	2			16	7100
1,2-DICHLOROETHENE				270	5			58	81000
1,2-DICHLOROETHANE									5300
2-BUTANONE						660			5000
1,1,1-TRICHLOROETHANE					12	110			15000
XYLENES	53				200	1800	14	280	99000
TRICHLOROETHENE				7	36			27	3100
BENZENE		.7	7	43		7		7	520
4-METHYL-2-PENTANONE				57		3300			
TETRACHLOROETHENE					3	15		7	10000
TOLUENE	11	.9	4	120	10	130	100	53	96000
CHLOROBENZENE			39	77	32	160	34	970	33000
ETHYLBENZENE	6				35	170		42	
1,3-DICHLOROBENZENE			190					56000	

946030231

RESULTS IN PPB	SW-1	SW-2	SW-3	SW-4	SED-1	SED-2	SED-3	SED-4	SED-5
1,4-DICHLORBENZENE	1		310		21000			84000	
1,2-DICHLOROBENZENE			11						14006
BENZOIC ACID				420					
1,2,4-TRICHLOROBENZENE			51		62000			17000	
NAPHTHALENE			24		1700				36000
2-METHYLNAPHTHALENE					960		2100		68000
PHENANTHRENE							2100		36000
FLUORENE									20000
DI-N-BUTYLPHTHALATE	2	2	8		910	1200	1200	3000	
FLUORANTHENE							2000		6900
PYRENE							2500		11000
BUTYLBENZYLPHTHALATE									53000
BIS(2-ETHYLHEXYL) PHTHALATE	10	11	82	210	4900	3100	33000	37000	2600000
DIELDRIN					170	1900	6700		
4,4'-DDT					84				1200
ARCOLOR-1248					2700	4100	4800	4200	10000
ARSENIC			87.6	132					
BARIUM			2950						468

946030232

AQUEOUS RESULTS IN PPB;
NON-AQUEOUS RESULTS IN PPM

	SW-1	SW-2	SW-3	SW-4	SED-1	SED-2	SED-3	SED-4	SED-5
CADMIUM			810	215			4	14.1	12
CHROMIUM			8880	23500		369		209	512
COPPER			24200	1310				895	323
LEAD			6000	1100			234	482	697
MERCURY			14.2	3.2		12			3.9
NICKEL						347		668	127
SILVER			112	55.1					
ZINC				35,500					
CYANIDE			5580					69	

946030233

TABLE 2

RESULTS IN PPB

	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
Chloroform								
1,2-dichloroethane								
Xylenes		52,000				78		
Trichloroethene						30		
4-methyl-2-pentanone						36		
Tetrachloroethene		250	300			13		
Toluene		18				88		
Chlorobenzene		3100		9		7	12	
Ethylbenzene		3400						13
2,4-dichlorophenol								
Naphthalene		1900			850		900	
4-chloroanaline								
2-methylnaphthalene		1900						
2,4,6-trichlorophenol								
2-nitroaniline								
Phenol							5700	

946030234

RESULTS IN PPB

	S-9	S-10	S-11	S-12	S-13	S-14	S-15
Chloroform	67						
1,2-dichloroethane	28						
Xylenes		120	490			8300	
Trichloroethene	48					120	
4-methyl-2-pentanone							
Tetrachloroethene	6200	24	69	83	120	160	
Toluene		15	96	27			
Chlorobenzene							
Ehtylbenzene			60	12		3000	
2,4-dichlorophenol							780
Naphthalene							
4-chloroanaline					600		
2-methylnaphthalene	410						
2,4,6-trichlorophenol							380
2-nitroaniline				5800			
Phenol					6500		
1,4-dichlorobenzene							

946030235

RESULTS IN PPB

	S-9	S-10	S-11	S-12	S-13	S-14	S-15
Benzoic acid	12,000						
Dibenzofuran							
Diethylphthalate							
Phenanthrene	400			10,000	570		290
Anthracene				55			
Di-n-butylphthalate	1800			590		2800	73
Fluoranthene				13,000	1200		470
Pyrene	1700		9100	10,000	1200	5600	500
Butylbenzylphthalate	1800			590		2800	73
Fluoranthene				13,000	1200		470
Pyrene	1700		4100	10,000	1200	5600	500
Benzo(a)anthracene				5100			250
Chrysene				11,000	1500		310
Bis(2-ethylhexyl) phthalate	2.7×10^7	21,000	7400	11,000		68,000	6600
Di-n-octylphthalate						10,000	
Benzo(b)fluranthene				7700	1800		250
Benzo(k)fluoranthene				6600	1400		200
Benzo(a)pyrene				5000	1100		200

RESULTS IN PPB

	S-9	S-10	S-11	S-12	S-13	S-14	S-15
Indeno(1,2,3-cd)pyrene				3300	1100		140
Dibenz(a,h)anthracene							
Benzo(g,h,i)perylene				4100	1500		170
Aldrin							
Dieldrin							15
4,4'-DDD							
Aroclor-1248		1000	65,000	21,000	89,000	17,000	220

946030237

RESULTS IN PPM

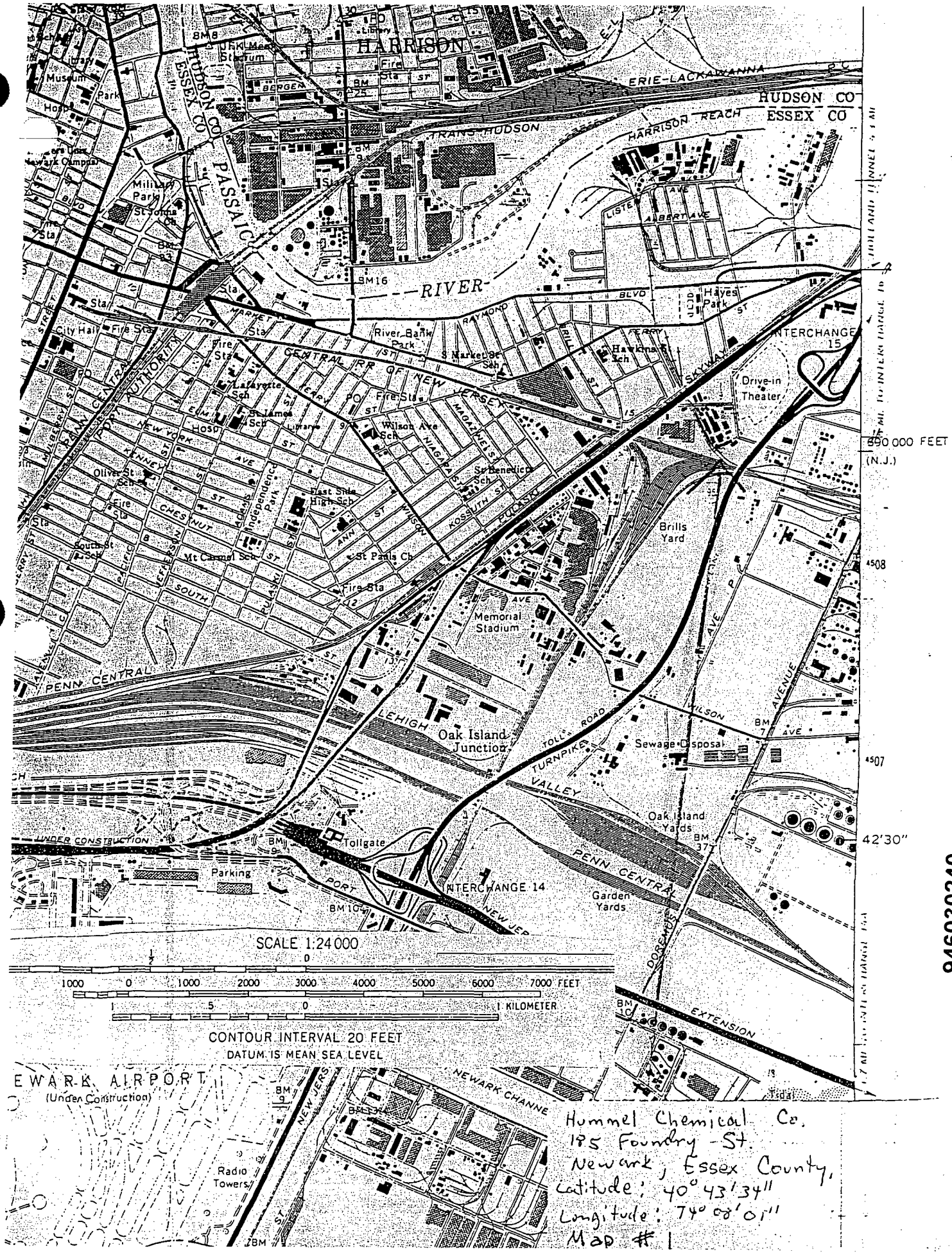
	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-1(
Antimony	13.3					23.3	37	13		
Arsenic			25.5	23	31		23.5			
Barium		427	459		529					
Cadmium		3.1	3.1		5.2	15.1	6.6	5.5		
Chromium			395			502	371	158		
Copper			174			1050	283	193	235	
Lead	598	1210	1270	720	594	4090	673	537	242	149
Mercury	1.2					3.4	3.4	9.6		
Nickel			697			398	428	220		
Silver						25.4				
Vanadium			108			388	205			
Zinc		635	554	484	538	1790	1106	1010	79	
Cyanide						131				

946030238

FTA0000086

RESULTS IN PPM

	S-11	S-12	S-13	S-14
Antimony		27.7	145	27.1
Arsenic		23.5	20.3	78.1
Barium			560	554
Cadmium	9.3	11.4	5.2	5.1
Chromium		1890	5360	797
Copper		269	234	342
Lead	6820	2710	1320	2360
Mercury	9.9		1.8	5.9
Nickel	101	136		
Vanadium		144		
Zinc	1320	1680	1120	1170

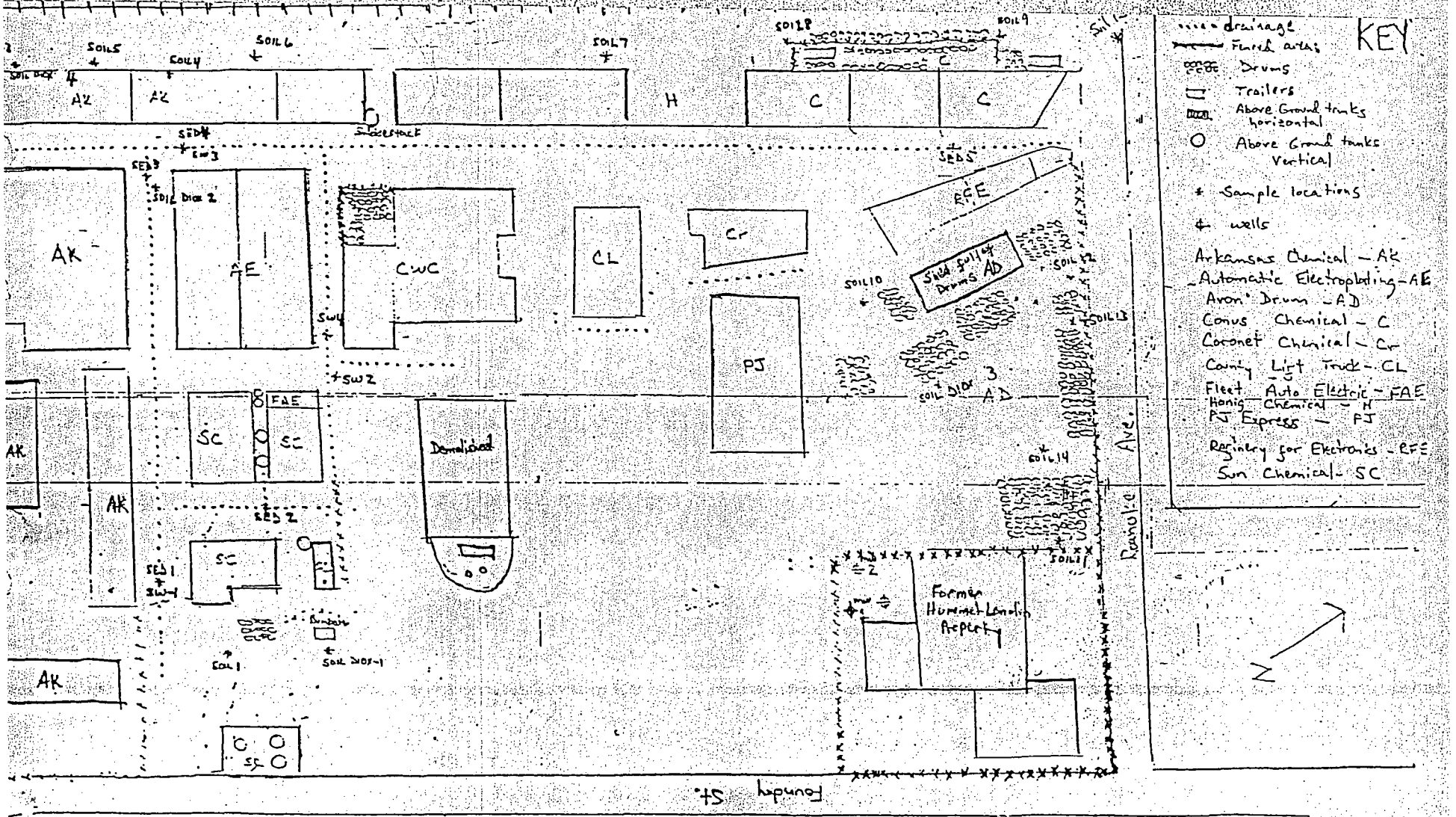


Hummel Chemical Co.
185 Foundry St.
Newark, Essex County,
Latitude: 40° 43' 34"
Longitude: 74° 08' 01"
Map #1

946030240

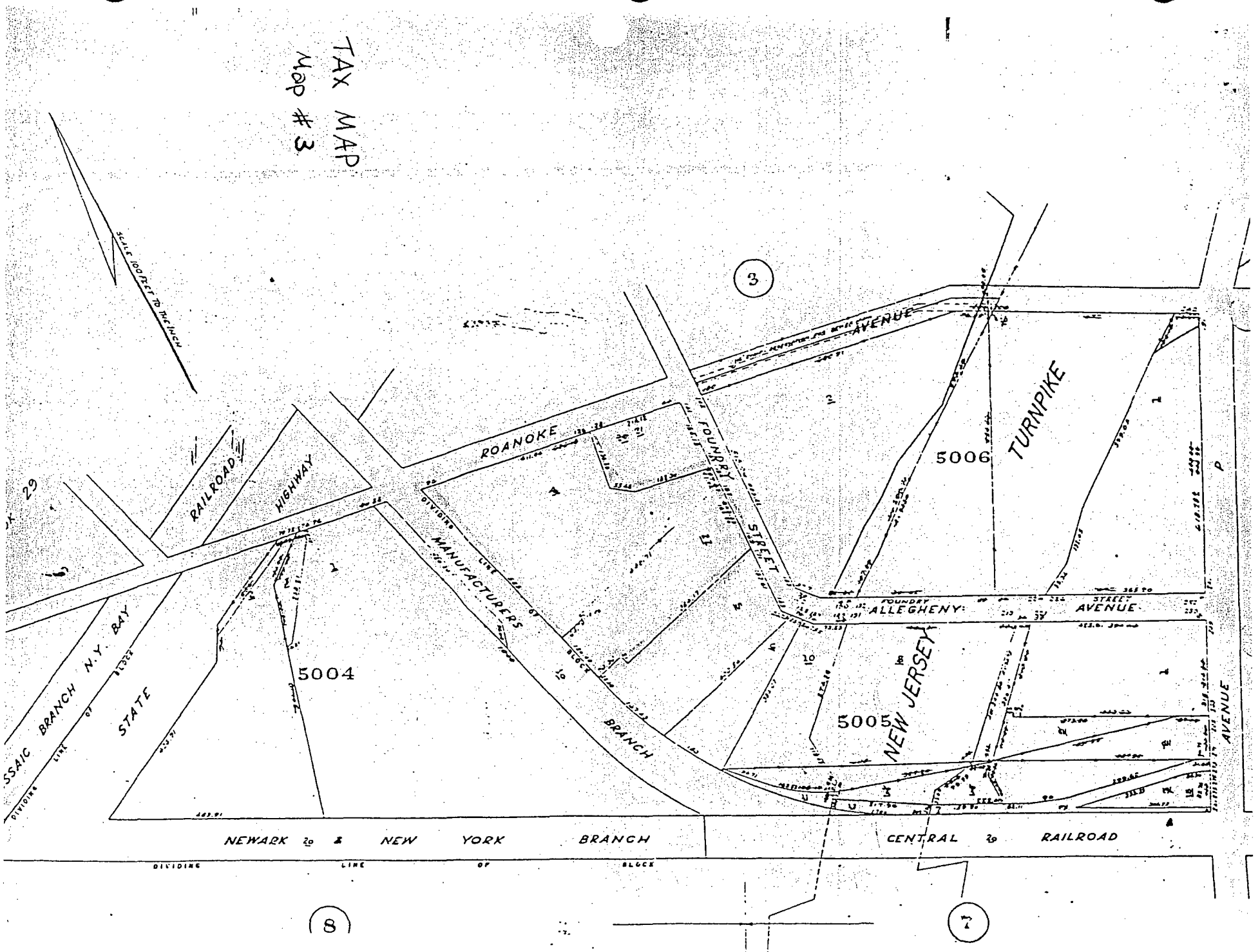
9460302 41

SITE MAP Map # 2

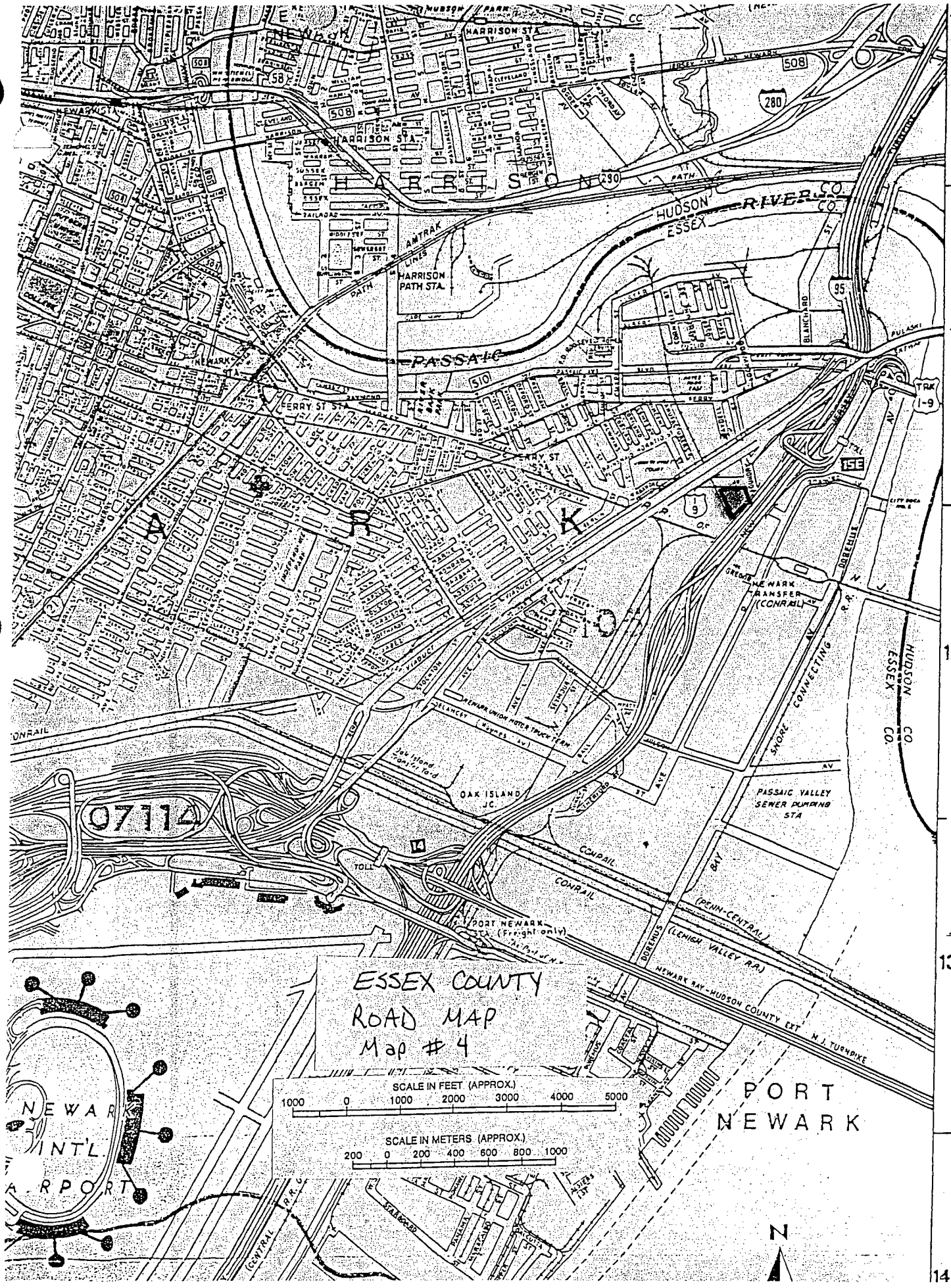


[illegible] Chemical (AKA; 185 Foundry St. Site) [illegible]/17/88 Robert K. [illegible] Not to [illegible]

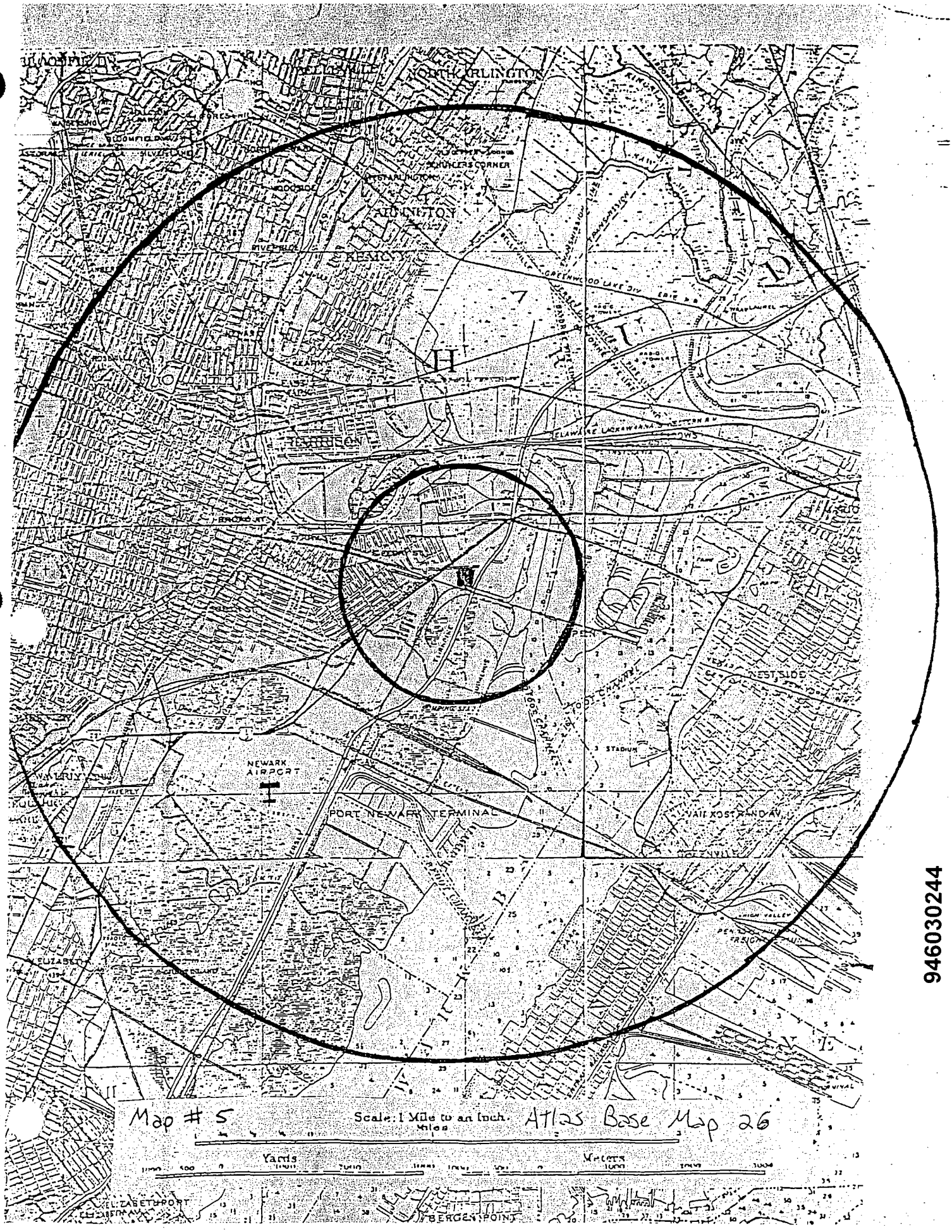
TAX MAP
Map #3



946030242

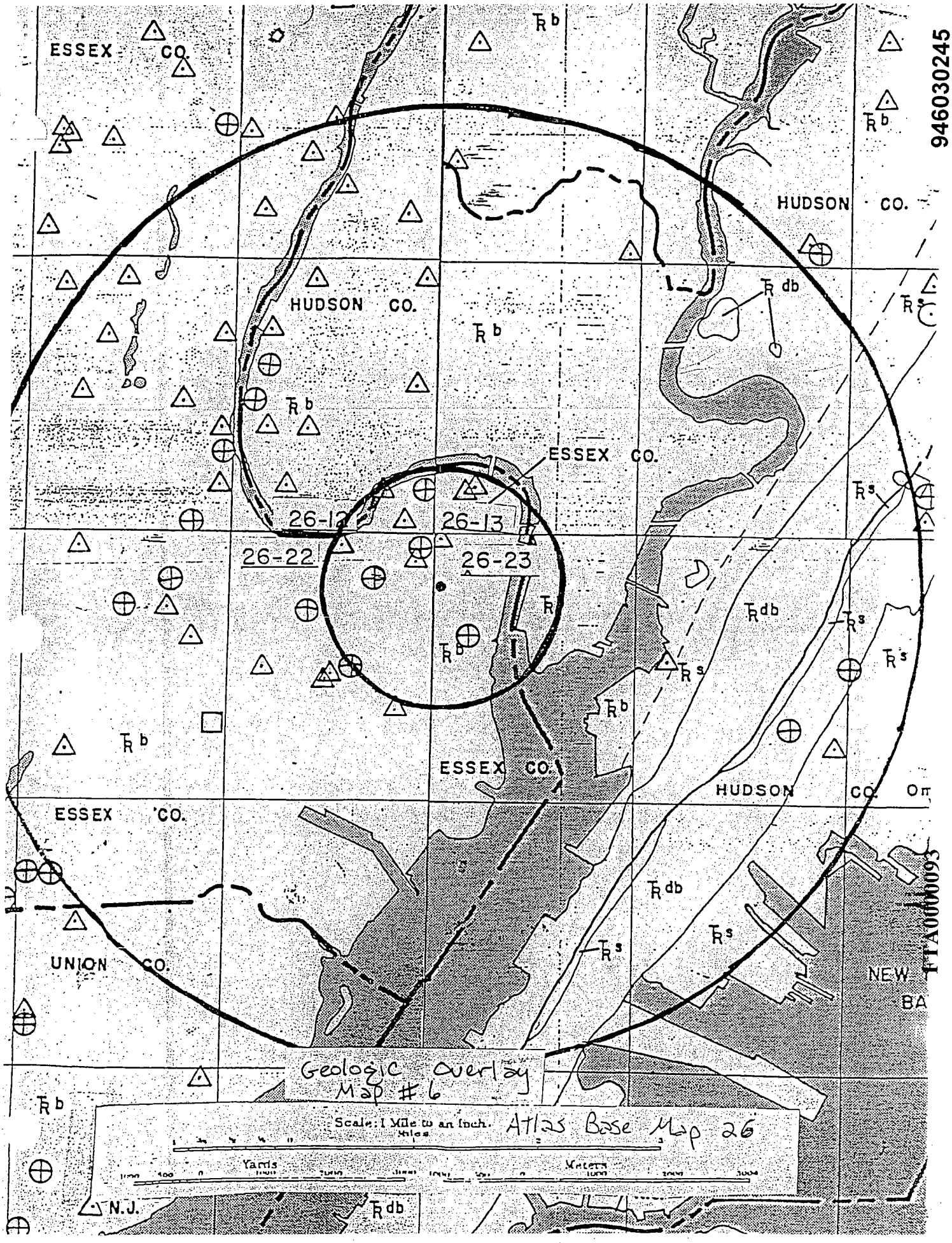

ESSEX COUNTY
ROAD MAP
Map # 4
SCALE IN FEET (APPROX.)
1000 0 1000 2000 3000 4000 5000
SCALE IN METERS (APPROX.)
200 0 200 400 600 800 1000
HARRISON STA.
HARRISON PATH STA.
HUDSON RIVER CO.
ESSEX CO.
PASSAIC
FERRY ST STA.
NEWARK TRANSFER (CONRAIL)
OAK ISLAND JC.
PASSAIC VALLEY SEWER PUMPING STA
PORT NEWARK STA. (Freight only)
NEWARK BAY-HUDSON COUNTY EXT. N.J. TURNPIKE
PORT NEWARK
NEWARK INT'L AIRPORT
07114
10
11
12
13
14

946030243



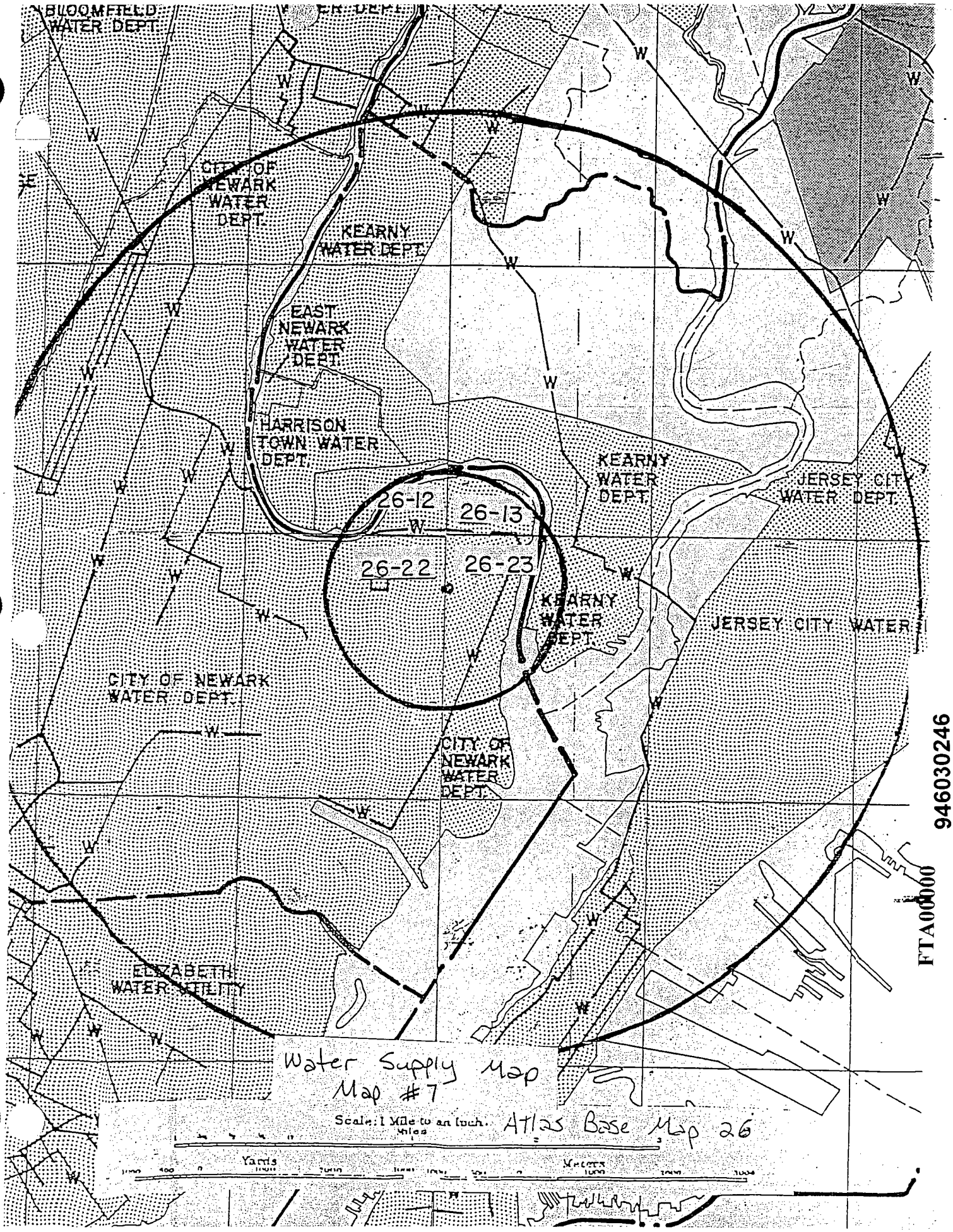
Map # 5 Atlas Base Map 26

9460302 44



946030245

FTA0000093



946030246

FTA000000

LEGEND FOR ATLAS SHEET 26 (GEOLOGY)

△ — INDUSTRIAL WELL YIELD OVER 70 GALLONS PER MINUTE (INCLUDING PRIVATE WELLS)

□ — PUBLIC SUPPLY WELL YIELDING OVER 70 GALLONS PER MINUTE

⊕ — UNSUCCESSFUL ROCK WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

⊙ — UNSUCCESSFUL SAND WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

⊡ — NO TEST — NO DATA ON YIELD

FAULT (DASHED WHERE INFERRED)

CONTACT (DASHED WHERE INFERRED)

PHYSIOGRAPHIC PROVINCE BOUNDARY

WATER SUPPLY TRANSMISSION LINE

NOTE: WHERE THE PRECAMBRIAN FORMATION BOUNDARIES TERMINATE ABRUPTLY, IT IS THE GEOLOGIST'S OPINION THAT THE GEOLOGICAL COMPLEXITY OF THE AREA PREVENTS FURTHER INTERPRETATIONS.

Kmr — CRETACEOUS MAGOTHY AND RARITAN FORMATIONS (SAND AND CLAY)

Ꞧb — TRIASSIC BRUNSWICK FORMATION

Ꞧc — TRIASSIC CONGLOMERATE BEDS OF THE STOCKTON FORMATION

Ꞧl — TRIASSIC LOCKATONG FORMATION

Ꞧdb — TRIASSIC DIABASE

Ꞧbs — TRIASSIC BASALT FLOWS

Sd — SILURIAN DECKER LIMESTONE AND LONGWOOD SHALE FORMATIONS

Sgp — SILURIAN GREEN POND CONGLOMERATE

Omb — ORDOVICIAN MARTINSBURG SHALE

€ok — CAMBRO ORDOVICIAN KITTATINNY LIMESTONE

€h — CAMBRIAN HARDYSTON SANDSTONE

PRECAMBRIAN:

gh - HORNBLENDE GRANITE WITH PYROXENE GRANITE

ga - ALASKITE

am - AMPHIBOLITE

px - PYROXENE GNEISS

gnq - QUARTZ PLAGIOCLASE GNEISS

gnb - BIOTITE GNEISS

sk - SKARN, GRAPHITE SCHIST

fnd — FORMATION NOT DETERMINED

946030247
FTA0000095

BLOCK #26-12 8/76

A. Elizabeth, Orange

B. Arthur Kill-Elizabeth, Rahway; Hackensack-Hackensack; Passaic-Lower Passaic

C. 2.

Map No.	Location	Period of Record
63	Second River at Brighton Ave., East Orange	7/23/38
64	Second River at Bloomfield Ave., Bloomfield	7/23/38
65	Second River at Belleville	1937-1961
66	Second River at Newark Pipe, Belleville	7/23/38
67	Elizabeth River at Irvington	1931-1938

3. 262 Passaic River at Harrison 1967-1971

Water Quality Standards: (explained in Atlas Sheet description)
FW3, TW2 except where classified TW3

D. Brunswick Formation (Trb), Basalt Flows (Trbs)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Red Sandstone Plain, Watchung Ridges
Elevations (ft.above sea level): ridges 650, valleys 0
Relief (ft.): 650

2. a. Normal Year: 45"
Dry Year: 37"
Wet Year: 55"

b. January: 31°F
July: 74°F

c. 243 days. Last killing frost: 4/15; first killing frost: 10/20

F. Bergen County:
Riverside County Park and Hackensack River Area
Essex County:
Eagle Rock Reservation
Branch Brook Park

H. Montclair Railroad Terminal, Montclair
Israel Crane House, Montclair
Sydenham House, Newark
Kruegar Mansion, Newark
Penn Station, Newark
First Baptist Peddie Memorial Church, Newark
Saint James A.M.E., Newark
Saint Stephan's Church, Newark
Saint James's Church, Newark
Saint Mary's Church, Newark
Saint Barnabas, Newark
Saint Columba's Church, Newark
Saint John's Church, Newark
Saint Patricks Procathedral, Newark
Queen of Angels Church, Newark

946030248

H. (contd.)

Cathedral Evangelica Reformada, Newark
New Point Baptist Church, Newark
South Park Presbyterian Church, Newark
Pan American C.M.A. Church, Newark
First United Methodist Church, Newark
House of Prayer Episcopal Church and Rectory, Newark
Grace Church, Newark
North Reformed Church, Newark
The Old First Presbyterian Church, Newark
Trinity Episcopal Church, Newark

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-12-157	Hahne & Co.			505	240	Trb
26-12-164	Quadrel, Michael	1955	18	151	75	"
26-12-194	Town of Montclair	1966	21/41	300	950	"
26-12-194	Montclair Water Bureau	1966	16/36	300	470	"
26-12-218	Glen Ridge Country Club	1967	40	300	200	"
26-12-222	Bloomfield Savings Bank	1956		145	100	"
26-12-313	Hoffman-LaRoche			902	128	"
26-12-327	Food Fair Stores, Inc.			209	70	"
26-12-334	Kingsland's Paper Mills			400	125	"
26-12-335	Wiggins Plastics, Inc.	1963	24'-3/12"	378	180	"
26-12-338	Federal Telecommunications Lab	1958	39'6"	500	114	"
26-12-386	Liquid Carbonic Corp.			518	100	"
26-12-389	National Yeast Corp.			512	126	Trbs
26-12-394	Federal Leather Co.			802	60	Trb
26-12-417	Schering Corp.			478	127	"
26-12-423	Kidde W. & Co.			400	400	"
26-12-448	Orange Dairy Co.			250	75	"
26-12-449	City of Orange	1970	61'5"	500	524	"
26-12-478	"	1971	56	506	500	"
26-12-486	Colonial Life Ins. Co.			357	323	"
26-12-513	Leonora Corp.	1957	33	200	70	"
26-12-526	Eastern Tool & Mfg.Co.			550	126	"
26-12-537	National Grain & Yeast Corp.			457	125	"
26-12-545	MGM Records (Div.of Loews)	1959	23	211	115	"
26-12-545	"	1960	36	579	120	"
26-12-547	"			400	275	"
26-12-557	Warner Mfg. Co.			395	220	"
26-12-566	Tiffany & Co.			800	50	"
26-12-577	Bloomfield Moulding Co.	1968	18	350	200	"
26-12-622	Mansol Ceramics Co.			250	100	"
26-12-644	Droll Molding Co., Inc.	1962	50	300	80	"
26-12-655	Summit Chemical Prod.Corp.			414	150	"
✓26-12-657	Crowhurst, A.J. & Sons			83	325	Q
✓26-12-675	Aluminum Finishing Co.			150	100	Trb
✓26-12-682	North Newark Ice Co.			250	123	"
✓26-12-695	V.H. Swenson Co.	1962	49	40	170	"

946030249

26-12-723	Mountain Ice Co.			634	300	Trb
26-12-729	Vinton Apartments Inc.	1955	52	255	160	"
26-12-747	Columbia Theaters, Inc.	1953	26	312	140	"
26-12-751	Woolworth & Co.	1965	76'10"	300	80	"
26-12-758	Food Fair Stores	1956	73	214	180	"
26-12-783	Pabst Brewing Co.			535	300	"
26-12-812	Ward Baking Co.			200	111	"
✓26-12-822	Crabb, W. & Co.			600	300	"
✓26-12-827	Trent Hat Corp.			200	150	"
✓26-12-839	Reid Ice Cream Co.			600	100	"
✓26-12-846	Fagin Brothers Coal Yard			150	100	"
✓26-12-864	Barton Realty Co., Inc.	1965		385	100	"
✓26-12-869	Alderney Dairy Co.			450	113	"
✓26-12-893	Ballantine & Son Ale			1200	0	"
✓26-12-896	Mutual Benefit Life Ins.Co.	1965	44'8"	312	219	"
✓26-12-898	Prudential Life Ins. Co.			1225	15	"
✓26-12-918	Abbey Record Co.	1962	24	697	135	"
✓26-12-921	Two Guys from Harrison	1959	99	405	628	"
✓26-12-933	DuPont			202	148	"
✓26-12-942	N.J. Rolling Mills	1963	99	400	20	"
✓26-12-944	Harrison Supply Co.	1966	88	174	50	"
✓26-12-948	Mountain Ice & Fuel Co.			350	122	"
✓26-12-957	Doelger Brewery			400	175	"
✓26-12-966	Verzeland, N.	1959	146	235	150	"
✓26-12-976	Driver-Harris Co.	1946	241	337	600	Q
✓26-12-994	Acme Refining Co.	1960	144	500	150	Trb
✓26-12-996	Lister Brothers			1200	0	"
✓26-12-998	Stanley Tools			637	125	"

mile

J. Geodetic Control Survey monuments described
Index Maps 21,26; adjacent Index Maps 20,25

946030250

BLOCK #26-13 8/76

A. Jersey City, Orange, Weehawken

B. Hudson-Hudson; Hackensack-Hackensack; Passaic-Lower Passaic

C. 3. Map No. Location Period of Record
242 Berry's Creek at Moonachie, Moonachie Ave. 1964-
263 Hackensack River at Harrison, Belleville Tpk. 1967-

Water Quality Standards: (explained in Atlas Sheet description)
TW2 except where classified TW3

D. Brunswick Formation (Trb), Stockton Formation (Trs), Diabase (Trdb), Manhattan Schist (Oms)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Red Sandstone Plain, Palisades Ridge, Hackensack Meadows
Elevations (ft.above sea level): ridges 250, valleys 0
Relief (ft.): 250

2. a. Normal Year: 43"
Dry Year: 36"
Wet Year: 53"

b. January: 32°F
July: 74°F

c. 245 days. Last killing frost: 4/10; first killing frost: 10/20

F. Bergen County:
Riverside County Park and Hackensack River Area

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-13-157	Pennick, S.B. Co.	1966	42	352	180/200	Trb
26-13-177	Breyer Ice Cream Co.			702	200	"
26-13-195	Omni Chemical Corp.	1968	39	300	157	"
26-13-195	Sika Chemical Corp.	1966	25	302	220	"
26-13-214	Trubeck Laboratories	1956	191	201	105	Q
26-13-215	Beckton & Dickinson	1966	118	363	251	Trb
26-13-216	Marijon Piece Dye Co.	1965	45	285	135	"
26-13-226	Hackensack Water Co.	1954	92'11"	103	No test	Q
26-13-234	U.S. Printing Ink Co.	1965	70	220	60	Trb
26-13-268	Top Notch Plating Co.	1965	21	300	190	"
26-13-298	Alpha Refining Co.			400	115	"
26-13-415	Minit-Man Auto Car Wash	1957	39	180	90	"
26-13-447	Food Fair Stores, Inc.	1956	30	320	82	"
26-13-499	Pfaff Tool & Mfg. Co.	1963	66.5	740	145	"

9460302 51

HUMMEL CHEMICAL
185 FOUNDRY STREET
NEWARK, ESSEX COUNTY
EPA ID # NJD002174712

TABLE OF CONTENTS

MAPS

1. USGS QUADRANGLE MAP, ELIZABETH QUAD
2. SITE MAP/SAMPLE LOCATION MAP
3. TAX MAP
4. ESSEX COUNTY ROAD MAP
5. NJ ATLAS BASE MAP
6. GEOLOGIC OVERLAY
7. WATER SUPPLY OVERLAY
8. WATER WITHDRAWAL MAP

ATTACHMENTS

A. DATA SUMMARY FROM OCTOBER, 1988 SITE INSPECTION
B. PRELIMINARY ASSESSMENT; SEPTEMBER 1987
C. "DIOXINS", EPA, NOVEMBER, 1980
D. MEMOS RE: HUMMEL ACTIVITIES IN THE PAST, 1987
E. LETTER RE: HUMMEL, SOUTH PLAINFIELD; FEBRURARY 1982
F. "GROUNDWATER RESOURCES OF ESSEX COUNTY", 1968
G. MEMO RE: SAMPLING PLAN, OCTOBER 1988
H. MEMO RE: SAMPLING EPISODE REPORT, OCTOBER 1988

946030252

26-13-598	Erie Railroad			184	200	Trs
26-13-598	"			182	4	Trb
26-13-615	Keystone Metal Finishers	1968	20	200	312	"
26-13-642	"	1950	18	200	76	"
26-13-655/6	"	1960	21	150	150	Trs
26-13-668	Kiesewetter			380	0	Trdb-Trs
26-13-695	North Bergen Realty Co.			72	90	Q
1 mile ✓26-13-775	Fairmount Chemical Co.	1965	114	300	300	Trb
✓26-13-775	United Shellac Co.			475	200	"
26-13-921	Miller & Co.			135	925	Q
26-13-924	DeAngelis Packing Co.	1948		45	0	"
26-13-983	Mehl, John & Co.	1913		1020	150	Trdb
26-13-983	"	1923		1050	40	"
26-13-984	Mountain Ice Co.			950	0	Trdb-P6
26-13-987	Steel Laundry Co.			1028	130	" "
26-13-994	General Refrigerator			1350	0	Trs-P6
26-13-995	Columbia Amusement Park			200	100	Trs

J. Geodetic Control Survey monuments described
Index Maps 21,26; adjacent Index Map 16

9460302 53

A. Elizabeth

B. Arthur Kill-Elizabeth, Elizabeth Channel, Morses Creek; Passaic-Lower Passaic

C. 1. Newark WSO AP - Detailed meteorologic data

	Map No.	Location	Period of Record
2.	67	Elizabeth River at Irvington	1931-1938
	68	Elizabeth River at Nye Ave., Irvington	7/23/38
	72	Elizabeth River at Elizabeth	1921-
3.	262	Passaic River at Harrison	1967-1971
	272	Elizabeth River at Morris Ave., Elizabeth	1964-

Water Quality Standards: (explained in Atlas Sheet description)
FW3, TW2 except where classified TW3

D. Brunswick Formation (Trb), Stockton Formation (Trs), Diabase (Trdb)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Wisconsin Terminal Moraine, Red Sandstone Plain, Hackensack Meadows, Newark Bay, Palisades Ridge
Elevations (ft.above sea level): ridges 300, valleys 0
Relief (ft.): 200

2. a. Normal Year: 44"
Dry Year: 36"
Wet Year: 53"

b. January: 32°F
July: 74°F

c. 243 days. Last killing frost: 4/15; first killing frost 10/20

F. Essex County:
Weequahic Park
Union County:
Elizabeth River Park
Warinanco Park

H. Boxwood Hall/Boudinot Mansion, Elizabeth (State Owened)

946030254

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
26-22-143	Irvington Smelting & Ref.Wks.	1953	71	209	192	Trb
26-22-143	"	1953	62'4"	304	300	"
26-22-145	Associated Mech.Devices	1960	83	250	80	"
26-22-149	Gallo Asphalt Co.	1961	107	201	200	"
✓26-22-213	Krueger Brewing Co.			656	435	"
✓26-22-228	Smith & Smith Funeral Parlor			776	25	"
✓26-22-234	U.S. Navy			565	39	"
✓26-22-237	Conmar Corp.			300	450	"
✓26-22-262	National Lock Washer Co.			800	100	"
✓26-22-275	Linde Air Products Co.	1954	44'5"	500	124	"
✓26-22-293	New York Port Authority	1968	60	370	260	"
✓26-22-322	Standard Bitulithic Co.	1964	89'11"	406	360	"
✓26-22-327	Pfeiffer, H.			505	12	"
✓26-22-333	Arkansas Co., Inc.	1965	72'9"	400	65	"
✓26-22-333	Ronson Metals Corp.	1965	80	300	220	"
✓26-22-334	Wilson, H.A. Co.			778	8	"
✓26-22-345	Chem-Fleur	1965	97	306	200	"
✓26-22-355	Englehard Ind., Inc.	1966	54/79'8"	428	167	"
✓26-22-355	"	1965	80'7"	400	401	"
✓26-22-356	"	1966	78.5/92	495	4	"
✓26-22-368	Rutherford & Delaney Hldg.Co.	1956	42	220	100	"
26-22-411	Bristol Meyers	1967	49	500	159	"
26-22-418	Dillon-Beck Mfg. Co.			379	100	"
26-22-449	Elizabethtown Water Co.			400	550	"
26-22-463	Orbis Products Corp.	1958	157	350	12	"
26-22-517	Pennick, S.B. Co.	1961	64'10"	585	24	"
26-22-518	Pure Carbonic			600	30	"
26-22-546	Black Diamond Grit Co.	1960	92	265	150	"
26-22-574	Londat Aetz Fabric Co.	1965	50	600	30	"
26-22-574	Elizabeth Abbatoir			641	75	"
26-22-744	Morey LaRue Laundry			700	15	"
26-22-745	"			600	14	"
26-22-785	Stevenson Car Co.			300	95	"
26-22-786	Feldman Brothers			805	54	"
26-22-795	Reichold Chemical Co.	1967	39'6"	400	415	"
26-22-828	Singer Mfg. Co.			1200	90	"
26-22-833	General Chemical Co.	1965	106	500	70	"
26-22-842	Clauss Bottling Works			500	50	"
26-22-847	Elizabethtown Gas & Light			300	0	"
26-22-852	Riker Motor Co.			500	0	"
26-22-854	Thomas & Betts Co., Inc.			500	264	"

J. Geodetic Control Survey monuments described
Index Map 26; adjacent Index Map 31

946030255

BLOCK #26-23,24 8/76

A. Elizabeth, Jersey City

B. Arthur Kill-Elizabeth Channel, Passaic-Upper Passaic

C. 1. Jersey City - Non-recording temperature and precipitation gauges

Water Quality Standards: (explained in Atlas Sheet description)
TW2 except where classified TW3

D. Brunswick Formation (Trb), Stockton Formation (Trs), Diabase (Trdb), Manhattan Schist (Oms), serpentine (sp)

E. 1. Physiographic Province: Piedmont
Subdivision: Triassic Lowlands
Major Topographic Features: Red Sandstone Plain, Palisades Ridge, Hackensack Meadows, Newark Bay, New York Bay
Relief: 10'

2. a. Normal Year: 43"
Dry Year: 35"
Wet Year: 49"
b. January: 32°F
July: 74°F
c. 245 days. Last killing frost: 4/10; first killing frost: 10/20

F. Hudson County:
Lincoln Park
Div. of Parks and Forestry:
Liberty State Park
Little Basin Area

G. U.S. National Park Service:
Statue of Liberty National Monument (Ellis Island)
U.S. Army:
Military Ocean Terminal

H. Statue of Liberty National Monument
Hudson County Courthouse, Jersey City

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
mile 26-23-111	Pfaff & Kendall	1965	81.5	200	100	Trb
26-23-142	Lincoln Farm Prod.Co.			109	25	Trbs
26-23-245	Spalding & Jennings			422	75	Trb-P€
26-23-291	Berkeley Industries	1956	115/140	335	60	Trbd
26-23-293/6	Snead & Co.			300	60	Q
26-23-333	Erie Railroad			197	157	Oms
26-23-334	Lembeck & Betz's Brewery			1000	33	Trs
26-23-344	Burnett Ave. (228) Co.			438	55	"
26-23-763	Esso Standard Oil Co.	1959	114/252	505	3	"

J. Geodetic Control Survey monuments described
Index Map 26; adjacent Index Maps 31,21,16

9460302 56

LEGEND

WATER SUPPLY

- AREA SERVED BY PRIVATE WATER SERVICE COMPANIES
- AREA SERVED BY REGIONALLY OWNED WATER SERVICE COMPANIES
- AREA SERVED BY MUNICIPALLY OWNED WATER SERVICE COMPANIES
- AREA NOT PRESENTLY SERVED BY WATER SERVICE
- PUBLIC SUPPLY WELLS
- WATER MAIN ACROSS HIGHWAY FOR FUTURE USE
- SURFACE WATER INTAKE
- —W— MAJOR WATER MAINS

SEWAGE, LANDFILL

- AREA SERVED BY PUBLIC SEWAGE SERVICE
- AREA NOT PRESENTLY SERVED BY SEWAGE SERVICE
- SANITARY LANDFILLS
- SEWAGE TREATMENT PLANTS (CAPACITY <0.3 mgd)
- SEWAGE TREATMENT PLANTS (CAPACITY ≥ 0.3 mgd)
- —S— MAJOR SEWAGE TRANSMISSION LINES

DRAINAGE BASIN

- DRAINAGE BASIN BOUNDARY
- RIVER BASIN BOUNDARY
- HUDSON DRAINAGE BASIN NAME
- STREAMS AND RIVERS
- FLOOD PRONE AREAS

POPULATION

- COUNTY BOUNDARY
- MUNICIPAL BOUNDARY
- ( ) POPULATION DENSITY IN PERSONS PER SQUARE MILE
- [ ] AREA IN SQUARE MILES
- % PERCENT AREA OF MUNICIPALITY ON BLOCK
- MARKET ROADS
- BUILT UP AREAS
- STATE BOUNDARY

946030257

(8)

SUBJECT TO REVISION

Map # 8

WATER WITHDRAWAL POINTS AND NJGS CASE INDEX SITES WITHIN 5.0 MILES OF:

LATITUDE 404305
LONGITUDE 740840

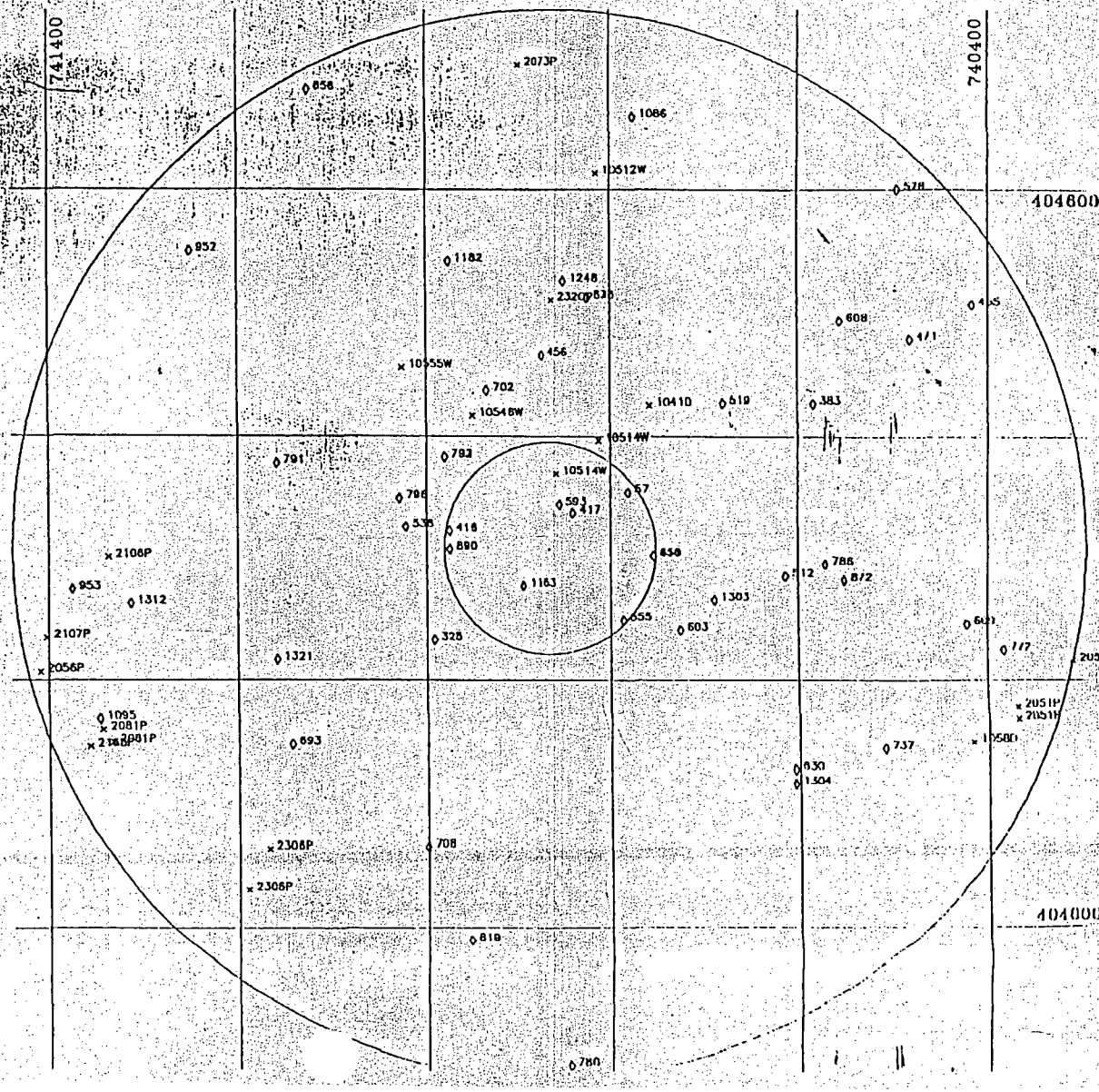
DRAFT

SCALE: 1:63,360
(1 Inch = 1 Mile)

× WATER WITHDRAWAL POINTS
◊ NJGS CASE INDEX SITES
1 MILE AND 5 MILE RADII INDICATED

NJGS CASE INDEX DATA RETRIEVED FROM:
NEW JERSEY GEOLOGICAL SURVEY
ON 12/22/87

PLOT PRODUCED BY:
NJDEP
DIVISION OF WATER RESOURCES
BUREAU OF WATER ALLOCATION
CN-029
TRENTON, NJ 08625
DATE: 04/26/88



Page 1 of NJGS CASE INDEX SITES WITHIN 5.0 MILES OF 404305 LAT. 740840 LON. AS OF 12/22/87 (IN ORDER BY DECREASING LONGITUDE) - 01/25/88

SITENUM	NAME	LAT	LON	DISTANCE	CONTAM	PRODUCE1	PRODUCE2	STATUS1	STATUS2
953	COX RESIDENCE, MONTCLAIR, ESSEX CO.	404245	741345	4.5	0	0140	3070	1	C
1095	ARROW ENGINEERING, HILLSIDE, UNION CO.	404141	741328	4.5	53	0000	0	1	B
1312	ROGER CHEMICAL, IRVINGTON, ESSEX CO.	404238	741308	3.9	00	0140	3070	1	C
952	ORANGE WATER DEPT., ORANGE, ESSEX CO.	404530	741230	4.4	00	0130	3070	1	C
791	GENERAL ELECTRIC CO-NEWARK LAMP PLANT	404347	741135	2.7	00	0103	3070	1	B
1321	J.F.HENRY CHEMICAL CO., NEWARK, ESSEX CO.	404210	741135	2.8	63	0110	3070	1	D
693	J.T. BAKER, PHILLIPSBURG, WARREN CO.	404129	741126	3.8	00	130	0010	1	A
656	COOPER IND (FORM.MCGRAW EDISON), BELLEVILLE, ESSEX CO.	404648	741115	4.8	00	3070	130	1	C
796	J & R METALLIZING CO., INC., NEWARK, ESSEX CO.	404330	741017	1.5	00	0110	3070	1	B
538	J.L. ARMITAGE + CO., NEWARK, ESSEX CO.	404316	741013	1.4	0	130	3070	1	
700	KARKOWSKI RD. LANDFILL, ELIZABETH, UNION CO.	404040	741000	3.0	50	100	3070	0	
325	FRONTAGE ROAD DRUM DUMP, NEWARK, ESSEX CO.	404220	740955	1.4	1	0130	0	1	B
792	GEORGIA-PACIFIC CORP--CASTING OPER, NEWARK, ESSEX CO.	404350	740948	1.3	00	0110	3070	1	D
793	GEORGIA-PACIFIC CORP--POLYMER MATE, NEWARK, ESSEX CO.	404350	740948	1.3	00	0110	3070	1	D
416	ALIERI STEEL DRUM/ PRENTISS DRUG, NEWARK, ESSEX CO. (DIOXIN)	404314	740945	1.0	72	103	130	1	C
890	CHEM-FLEUR, NEWARK, ESSEX CO.	404305	740945	0.9	00	0110		1	B
1182	FRANKLIN PLASTICS, KEARNY, HUDSON CO.	404525	740945	2.8	34	0100	3070	1	A
819	NOUDEX, INC. - ELIZABETH PLANT, UNION CO.	403953	740932	3.8	00	0103	0100	1	B
702	HARRISON COAL GAS SITE, HUDSON CO.	404422	740921	1.6	70	0110	3070	1	C
1163	OAK ISLAND-CONRAIL TERMINAL, NEWARK, ESSEX CO.	404247	740858	0.4	52			3	
456	CONRAIL+MEADOWS YARD, KEARNY, HUDSON CO.	404439	740845	1.8	52	101	130	1	
573	FEDERATED METALS, NEWARK, ESSEX CO.	404327	740833	0.4	0	130	3070	9	
1248	GUIGNON & GREEN, KEARNY, HUDSON CO.	404515	740830	2.5	53	0130	0101	1	C
780	DISCOVERIES, INC, BAYONNE, HUDSON CO.	403851	740827	4.9	63	0103	3070	1	B
417	TRUY CHEM., NEWARK, ESSEX CO.	404323	740824	0.4	38	130	3070	1	
635	80-LISTER AVENUE, NEWARK, (DIOXIN CASE), ESSEX CO.	404507	740815	2.4	72	103	0130	1	B
676	120 LISTER AVE. (DIOXIN), NEWARK, ESSEX CO.	404507	740815	2.4	72	0103	0130	1	C
555	CENTRAL STEEL DRUM, NEWARK, ESSEX CO.	404230	740752	1.0	1	130	3070	0	
57	ASHLAND CHEM., NEWARK, ESSEX CO.	404333	740749	0.9	53	130	3070	1	
1086	G M Z CONCRETE, NORTH ARLINGTON, BERGEN CO.	404635	740745	4.1	53	0103	0	1	B
410	INLAND CHEM., NEWARK, ESSEX CO.	404302	740733	1.0	00	3070	0	9	
551	SUNNAK IND., NEWARK, ESSEX CO.	404302	740733	1.0	63	130	3070	9	
603	TEXACO TERMINAL, NEWARK, ESSEX CO.	404225	740716	1.4	53	130	3070	9	
1303	DROYERS POINT, JERSEY CITY, HUDSON CO.	404240	740554	1.6	39	0101	0130	1	B
519	SYNOUN RESINS, KEARNY, HUDSON CO.	404416	740548	2.1	00	100	3070	1	D
512	ROOSEVELT DRIVE-IN (DAYLIN/GRACE), JERSEY CITY, HUDSON CO.	404252	740508	2.2	39	103	101	9	A
630	MOBAY CHEMICAL CORP., BAYONNE CITY, HUDSON CO.	404117	740603	3.1	00	103	0	0	
1304	ROUTE 185, JERSEY CITY, HUDSON CO.	404110	740603	3.2	39	0130	0101	1	D
363	FSE&G, KEARNY, HUDSON CO.	404416	740550	2.8	38	130	3070	0	
706	ENGLER INSTRUMENTS, JERSEY CITY, HUDSON CO.	404258	740543	2.6	35	0103	3070	1	B
601	STANDARD CHLORINE, KEARNY, HUDSON CO.	404456	740533	3.5	39	103	101	0	
872	TEXTILE PROOFERS, JERSEY CITY, HUDSON CO.	404250	740531	2.0	63	0103	3070	1	B
737	PJP LANDFILL, JERSEY CITY, HUDSON CO.	404127	740506	3.6	58	103	101	9	
578	CONRAIL SECAUCUS, HUDSON CO.	404600	740457	4.7	1	103	102	1	
471	RUFFERS, KEARNY, HUSDON CO.	404447	740449	3.9	1	103	130	9	
609	GRAFIELD AVE., 880, JERSEY CITY, HUDSON CO.	404228	740413	4.0	39	103	102	1	
455	DIAMOND SHAMROCK, S. KEARNY, HUDSON CO.	404344	740410	4.5	75	103	101	1	
772	COLUMBIA PAINT, INC., JERSEY CITY, HUDSON CO.	404215	740350	4.3	00	0103	0110	1	B

Number of Observations: 48

946030259

SITENUM	SITE NAME	LAT	LON	DISTANCE	CONTAM	FMCODE1	FMCODE2	STATUS1	STATUS2
37	ASHLAND CHEM., NEWARK, ESSEX CO.	404333	740749	0.9	53	130	3070	1	
325	FRONTAGE ROAD DRUM DUMP, NEWARK, ESSEX CO.	404220	740755	1.4	1	0130	0	1	B
385	FSEAG, KEARNY, HUDSON CO.	404416	740550	2.8	38	130	3070	0	
410	INLAND CHEM., NEWARK, ESSEX CO.	404302	740733	1.0	00	3070	0	9	
416	ALBERT STEEL DRUM/FRENTISS DRUG, NEWARK, ESSEX CO. (DIOXIN)	404314	740945	1.0	72	103	130	1	C
417	TROY CHEM., NEWARK, ESSEX CO.	404323	740824	0.4	38	130	3070	1	
453	DIAMOND SHAMROCK, B, KEARNY, HUDSON CO.	404504	740410	4.5	35	103	101	1	
456	CONRAIL-MEADOWS YARD, KEARNY, HUDSON CO.	404439	740845	1.8	52	101	130	1	
471	KOPPERS, KEARNY, HUDSON CO.	404447	740449	3.9	1	103	130	9	
512	ROOSEVELT DRIVE-IN (DAYLIN/GRACE), JERSEY CITY, HUDSON CO.	404252	740608	2.2	39	103	101	5	B
519	SYNCON RESINS, KEARNY, HUDSON CO.	404416	740648	2.1	00	100	3070	1	G
538	J.L. ARMITAGE + CO., NEWARK, ESSEX CO.	404316	741013	1.4	0	130	3070	1	
551	SUNMARK IND., NEWARK, ESSEX CO.	404302	740733	1.0	63	130	3070	9	
555	CENTRAL STEEL DRUM, NEWARK, ESSEX CO.	404230	740752	1.0	1	130	3070	0	
578	CONRAIL SECAUCUS, HUDSON CO.	404600	740457	4.7	1	103	102	1	
593	FEDERATED METALS, NEWARK, ESSEX CO.	404327	740833	0.4	0	130	3070	9	
603	TEXACO TERMINAL, NEWARK, ESSEX CO.	404225	740716	1.4	53	130	3070	9	
608	STANDARD CHLORINE, KEARNY, HUDSON CO.	404456	740533	3.5	39	103	101	0	
609	GARFIELD AVE., 880, JERSEY CITY, HUDSON CO.	404228	740413	4.0	39	103	102	1	
630	MOBAY CHEMICAL CORP., BAYONNE CITY, HUDSON CO.	404117	740603	3.1	00	103	0	9	
635	80-LISTER AVENUE, NEWARK, (DIOXIN CASE), ESSEX CO.	404507	740815	2.4	72	103	0130	1	G
656	COOPER IND (FORM MCGRAW EDISON), BELLEVILLE, ESSEX CO.	404648	741115	4.8	00	3070	130	1	C
676	130 LISTER AVE (DIOXIN), NEWARK, ESSEX CO.	404507	740815	2.4	72	0103	0130	1	G
693	J.T. BAKER, PHILLIPSBURG, WARREN CO.	404129	741126	3.0	00	130	0010	1	G
702	HARRISON COAL GAS SITE, HUDSON CO.	404422	740921	1.6	70	0110	3070	1	C
709	KAFKOWSKI RD. LANDFILL, ELIZABETH, UNION CO.	404040	741000	3.0	50	100	3070	0	
737	RJP LANDFILL, JERSEY CITY, HUDSON CO.	404127	740506	3.6	58	103	101	9	
772	COLUMBIA PAINT, INC., JERSEY CITY, HUDSON CO.	404215	740350	4.3	00	0103	0110	1	B
780	DISCOVERIES, INC, BAYONNE, HUDSON CO.	403851	740827	4.9	63	0103	3050	1	B
786	ENGLER INSTRUMENTS, JERSEY CITY, HUDSON CO.	404258	740543	2.6	35	0103	3050	1	B
791	GENERAL ELECTRIC CO-NEWARK LAMP PLANT	404347	741135	2.7	00	0103	3070	1	H
792	GEORGIA-PACIFIC CORP—CASTING OFER, NEWARK, ESSEX CO.	404350	740948	1.3	00	0110	3070	1	G
793	GEORGIA-PACIFIC CORP—POLYMER MATE, NEWARK, ESSEX CO.	404350	740948	1.3	00	0110	3070	1	B
796	J & R METALLIZING CO, INC., NEWARK, ESSEX CO.	404330	741017	1.5	00	0110	3070	1	B
819	NUTEX, INC - ELIZABETH PLANT, UNION CO.	403953	740952	3.8	00	0103	0100	1	B
872	TEXTILE PROOFERS, JERSEY CITY, HUDSON CO.	404250	740531	2.8	63	0103	3050	1	B
890	CHEM-FLEUR, NEWARK, ESSEX CO.	404305	740945	0.9	00	0110		1	B
952	ORANGE WATER DEPT., ORANGE, ESSEX CO.	404530	741230	4.4	00	0130	3070	1	C
953	COX RESIDENCE, MONTCLAIR, ESSEX CO.	404245	741345	4.5	0	0140	3070	1	C
1086	G M Z CONCRETE, NORTH ARLINGTON, BERGEN CO.	404135	740745	4.1	53	0103	0	1	B
1095	ARROW ENGINEERING, HILLSIDE, UNION CO.	404141	741328	4.5	53	0030	0	1	B
1163	OAK ISLAND-CONRAIL TERMINAL, NEWARK, ESSEX CO.	404247	740658	0.4	52			1	
1182	FRANKLIN PLASTICS, KEARNY, HUDSON CO.	404525	740745	2.0	34	0103	3070	1	B
1248	GUIGNON & GREEN, KEARNY, HUDSON CO.	404515	740770	2.5	53	0130	0101	1	G
1303	DROYERS POINT, JERSEY CITY, HUDSON CO.	404240	740554	1.6	39	0101	0130	1	A
1304	ROUTE 185, JERSEY CITY, HUDSON CO.	404110	740603	3.2	39	0130	0101	1	B
1312	RUGER CHEMICAL, IRVINGTON, ESSEX CO.	404238	741300	3.7	00	0130	3070	1	A
1321	J.F.HENRY CHEMICAL CO., NEWARK, ESSEX CO.	404210	741135	2.0	53	0110	3070	1	B

Number of Observations: 48

946030260

Page 1 of PRELIMINARY SURVEY OF WATER WITHDRAWAL POINTS WITHIN 5.0 MILES OF 404305 LAT. 740810 LON. (IN ORDER BY DECREASING LONGITUDE) - 04/25/88

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
2056P	ATLAS TOOL COMPANY, INC.	2601171		404204	741405		4.9	39	07	138	GTRB		[illegible]
2056P	ATLAS TOOL COMPANY, INC.	2602079		404204	741405		4.9	39	07	300	GTRB		[illegible]
2107P	TUSCAN DAIRY FARMS INC	4600102	1	404221	741401		4.8	39	19	300	GTRB		[illegible]
2107P	TUSCAN DAIRY FARMS INC	2604886	2	404221	741401		4.8	39	19	620	GTRB		350
2168P	SECUR-IMAGE TECHNOLOGIES INC.	2603615	2	404128	741334		4.7	39	07	461	GTRB		[illegible]
2081P	CERTIFIED PROCESSING CORP.	460094	1	404136	741326	F	4.5	21	07	202	GTRB		[illegible]
2081P	CERTIFIED PROCESSING CORP.	2604624	3	404136	741326	F	4.5	21	07	250	GTRB		
2106P	JERSEY PLASTIC MOLDERS, INC.	2604728	2	404301	741322		4.1	13	09	330	GTRB		165
2081P	CERTIFIED PROCESSING CORP.	2600265	2	404130	741320	F	4.5	21	07	630	GTRB		[illegible]
2306P	HAYWARD MANUFACTURING PRODUCTS	2604712	1	404019	741154		4.3	39	19	274	GTRB		100
2306P	HAYWARD MANUFACTURING PRODUCTS	2606867	2	404039	741141		3.8	39	19	275	GTRB		100
10555W	NEW JERSEY BELL TELEPHONE	2603173	1	404433	741015		2.2	13	14	215	GTRB		[illegible]
10546W	PUBLIC SERVICE ELECTRIC & GAS	4600103	1	404410	740930	F	1.4	17	04	216	GTRB		[illegible]
2073P	INTERNATIONAL MINERALS & CHEM.	4600072	1	404700	740900	T	4.5	13	01	352	GTRB		100
2073P	INTERNATIONAL MINERALS & CHEM.	4600093	2	404700	740900	T	4.5	13	01	400	GTRB		150
2073P	INTERNATIONAL MINERALS & CHEM.	2605113	3	404700	740900	T	4.5	13	01	400	GTRB		150
2320P	HONEYCOMB PLASTICS CORP.	4600102	1	404506	740838	S	2.3	17	07	500	GTRB		[illegible]
2320P	HONEYCOMB PLASTICS CORP.	2602384	2	404506	740838	S	2.3	17	07	700	GTRB		500
10514W	RUNSON METALS CORP.	2604993	3	404342	740835	T	0.7	13	14	165			100
10512W	V.H. SWENSON CO., INC.	2602717	1	404608	740809	F	3.5	17	07	400	GTRB		150
10514W	RUNSON METALS CORP.	2603408	1	404358	740808	T	1.1	13	14	300	GTRB		150
1041D	AMERICAN REF-FUEL COMPANY	175 WELL	POINTS	404415	740735	F	1.6	13	14	35	GOSD		[illegible]
1058D	FORT LIBERTE PARTNERS			404130	740410	F	4.3	17	05				[illegible]
2051P	LIBERTY HILLSIDE ASSOC.	4600077	STANDBY	404147	740341		4.6	39	07	275	GTRB		[illegible]
2051P	LIBERTY HILLSIDE ASSOC.	4600078	STANDBY A	404141	740341		4.6	39	07	186	GTRB		250
2051P	LIBERTY HILLSIDE ASSOC.	4600079	MAIN B	404141	740341		4.6	39	07	400	GTRB		465
2051P	LIBERTY HILLSIDE ASSOC.	2600418	MAIN D	404141	740341		4.6	39	07	400	GTRB		[illegible]
2057P	SPINNERIN YARN CO., INC.	4600174	1	404210	740305	F	5.0	03	59	230	GTRB		120

Number of Observations: 28

946030261

Page 1 of PRELIMINARY SURVEY OF WATER WITHDRAWAL POINTS WITHIN 5.0 MILES OF 404305 LAT, 740840 LON, (IN ORDER BY PERMIT NUMBER) - 04/25/88

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
1041D	AMERICAN REF-FUEL COMPANY	175 WELL	POINTS	404415	740735	F	1.6	13	14	35	GOSD		250
10512W	V.H. SWENSON CO., INC.	2602717		404608	740809	F	3.5	17	07	400	GTRB		150
10514W	RONSON METALS CORP.	2603408		404358	740808	T	1.1	13	14	300	GTRB		150
	RONSON METALS CORP.	2604993		404342	740835	T	0.7	13	14	165			100
10546W	PUBLIC SERVICE ELECTRIC & GAS	4600103		404410	740930	F	1.4	17	04	216	GTRB		250
10555W	NEW JERSEY BELL TELEPHONE	2603173		404433	741015		2.2	13	14	215	GTRB		80
1058D	FORT LIBERTE PARTNERS			404130	740410	F	4.3	17	06				200
2051P	LIBERTY HILLSIDE ASSOC.	4600077	STANDBY	404147	740341		4.6	39	07	275	GTRB		250
	LIBERTY HILLSIDE ASSOC.	4600078	STANDBY A	404141	740341		4.6	39	07	186	GTRB		250
	LIBERTY HILLSIDE ASSOC.	4600079	MAIN B	404141	740341		4.6	39	07	400	GTRB		465
	LIBERTY HILLSIDE ASSOC.	2600418	MAIN D	404141	740341		4.6	39	07	400	GTRB		350
2056P	ATLAS TOOL COMPANY, INC.	2601171		404204	741405		4.9	39	07	138	GTRB		200
	ATLAS TOOL COMPANY, INC.	2602079		404204	741405		4.9	39	07	300	GTRB		200
2057P	SPINNERIN YARN CO., INC.	4600124		404210	740305		5.0	03	59	230	GTRB		120
2073P	INTERNATIONAL MINERALS & CHEM.	4600092		404700	740900	T	4.5	13	01	352	GTRB		100
	INTERNATIONAL MINERALS & CHEM.	4600093		404700	740900	T	4.5	13	01	400	GTRB		150
	INTERNATIONAL MINERALS & CHEM.	2605113		404700	740900	T	4.5	13	01	400	GTRB		150
2081P	CERTIFIED PROCESSING CORP.	4600094		404136	741326	F	4.5	21	07	202	GTRB		100
	CERTIFIED PROCESSING CORP.	2600265		404130	741320	F	4.5	21	07	630	GTRB		250
	CERTIFIED PROCESSING CORP.	2604624		404136	741326	F	4.5	21	07	250	GTRB		
2106P	JERSEY PLASTIC MOLDERS, INC.	2604728		404301	741322		4.1	13	09	330	GTRB		185
2107P	TUSCAN DAIRY FARMS, INC.	4600102		404221	741401		4.8	39	19	300	GTRB		250
	TUSCAN DAIRY FARMS, INC.	2604886		404221	741401		4.8	39	19	620	GTRB		350
2168P	SECUR IMAGE TECHNOLOGIES, INC.	2603615		404128	741334		4.7	39	07	461	GTRB		200
2306P	HAYWARD MANUFACTURING PRODUCTS	2604712		404019	741154		4.3	39	19	274	GTRB		100
	HAYWARD MANUFACTURING PRODUCTS	2606867		404039	741141		3.8	39	19	275	GTRB		100
2320P	HONEYCOMB PLASTICS CORP.	4600182		404504	740838	B	2.3	17	07	500	GTRB		210
	HONEYCOMB PLASTICS CORP.	2602384		404504	740838	B	2.3	17	07	700	GTRB		500

Number of Observations: 28

946030262

SITE: Hummel
LOCATION: Newark

ATTACHMENT A

SUMMARY OF SAMPLING DATA
VOLATILES

BBB000003

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	MW-1	SW-1	SW-4	S-1	S-2	S-4	S-5	S-6	S-7	S-9	S-10	S-11	S-12	S-14	Sed-1	Sed-2
Chloromethane																
Bromomethane																
Vinyl Chloride															29	
Chloroethane																
Methylene Chloride																
Acetone																
Carbon Disulfide	.7J											5J				
1,1-Dichloroethene				7												
1,1-Dichloroethane			15J												2J	
1,2-Dichloroethene			270					1J	1J	9J		15		250J	5J	
Chloroform										67						
1,2-Dichloroethane								3J		38						
2-Butanone																660
1,1,1-Trichloroethane				E				1J		2J		8J	7		12	110
Carbon Tetrachloride																
Xylenes		53		5J	52,000	3J	1J	78	3J		120	490	5J	8300	200	1800

946030263

SITE: Hummel
LOCATION: Newark

ATTACHMENT A

SUMMARY OF SAMPLING DATA
VOLATILES

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	Sed-3	Sed-4	Sed-5
Chloromethane			
Bromomethane			
Vinyl Chloride			
Chloroethane			
Methylene Chloride			9900
Acetone			25,000
Carbon Disulfide		14J	
1,1-Dichloroethene			
1,1-Dichloroethane		16J	7,100
1,2-Dichloroethene		53	81,000
Chloroform			
1,2-Dichloroethane			5,300
2-Butanone			5,000J
1,1,1-Trichloroethane		110	15,000
Carbon Tetrachloride			
Xylenes	14J	280	99,000

ATTACHMENT A

SUMMARY OF SAMPLING DATA
VOLATILES (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	MW-1	MW-2	SW-1	SW-2	SW-3	SW-4	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9
Vinyl Acetate															
Bromodichloromethane															
1,1,2,2-Tetrachloroethane															
1,2-Dichloropropane															
trans-1,3-Dichloropropene															
Trichloroethene						7J						30	3J		48
Dibromochloromethane															
1,1,2-Trichloroethane															
Benzene	6	4J		.7J	7J	43J		570J	24		53				
cis-1,3-Dichloropropene															
Bromoform															
4-Methyl-2-Pentanone						57J						36			
2-Hexanone															
Tetrachloroethene							4J	250J	300	6		13	3J	2J	6200
Toluene			11	.9J	4J	120	2J	18J			1J	88	3J		
Chlorobenzene					39	77		3100		9		7	12		
Ethylbenzene			6					3400					2J	13	
TICS (total)	20 J	40 J	50		160 J	200 J	386J	2.67×10^6	1.76×10^6	727	560	1280	120J	280J	

FTA000113

9460302 65

ATTACHMENT A

SUMMARY OF SAMPLING DATA
VOLATILES (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-10	S-11	S-12	S-13	S-14	Sed-1	Sed-2	Sed-3	Sed-4	Sed-5
Vinyl Acetate			3J							
Bromodichloromethane										
1,1,2,2-Tetrachloroethane										
1,2-Dichloropropane										
trans-1,3-Dichloropropene										
Trichloroethene			2J		120J	36			27J	3100J
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene							7J		7J	520J
cis-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone							3300			
2-Hexanone										
Tetrachloroethene	24	69	83	120	160J	3J	15J		7J	10,000
Toluene	15	96	27			16	130	100	53	96,000
Chlorobenzene						32	160	34	970	33,000
Ethylbenzene		60	12		3000	35	170		42	
TIC's (total)	43,400	774,500	2,408	110J	29,000J	56J	25,800J	2,200J		

FTA000114

946030266

ATTACHMENT A

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-2	S-5	S-7	S-9	S-12	S-13	S-15	Sed-1	Sed-3	Sed-4	Sed-5	SW-3
bis (2-Chloroethoxy) methane												
2,4-Dichlorophenol							780					
1,2,4-Trichlorobenzene								6200J		170,000		51J
Naphthalene	1300J	850J	900J					1700J			36,000J	24J
4-Chloroaniline						600J						
Hexachlorobutadiene												
4-Chloro-3-methylphenol												
2-Methylnaphthalene	1900JB			410JB				9600JB	2100JB		68,000J	
Hexachlorocyclopentadiene												
2,4,6-Trichlorophenol							380J					
2,4,5-Trichlorophenol												
2-Chloronaphthalene												
2-Nitroaniline					5800J							
Dimethylphthalate												
Acenaphthylene												
2,6-Dinitrotoluene												

ATTACHMENT A

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-5	S-7	S-9	S-13	Sed-1	Sed-4	Sed-5	SW-1	SW-3	SW-4
Phenol		5700 J		6500 J						
bis(2-Chloroethyl) ether										
2-Chlorophenol										
1,3-Dichlorobenzene						56,000			190	
1,4-Dichlorobenzene	180 J				2100 J	24,000		1 J	310	
Benzyl alcohol										
1,2-Dichlorobenzene							14,000 J		11 J	
2-Methylphenol										
bis(2-Chloroisopropyl) ether										
4-Methylphenol										
N-Nitroso-di-n-propylamine										
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
Benzoic acid			12,000 J							420 J

946030268

ATTACHMENT A

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-2	S-3	S-4	S-5	S-6	S-7	S-9	S-12	S-13	S-14	S-15	Sed-3
3-Nitroaniline												
Acenaphthene												
2,4-Dinitrophenol												
4-Nitrophenol												
Dibenzofuran	490J											
2,4-Nitrotoluene												
Diethylphthalate										13,00J		
4-Chlorophenyl-phenylether												
Fluorene												
4-Nitroaniline												
4,6-Dinitro-2-methylphenol												
N-Nitrosodiphenylamine												
4-Bromophenyl-phenylether												
Hexachlorobenzene												
Pentachlorophenol												
Phenanthrene	1500JB	5000JB	8300JB	1800JB	8700JB	4000JB	400JB	10,000B	570JB		290JB	2100JB
Anthracene				310J				55J				

946030269

ATTACHMENT A

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	Sed-5
3-Nitroaniline	
Acenaphthene	
2,4-Dinitrophenol	
4-Nitrophenol	
Dibenzofuran	
2,4-Nitrotoluene	
Diethylphthalate	
4-Chlorophenyl-phenylether	
Fluorene	20,000 J
4-Nitroaniline	
4,6-Dinitro-2-methylphenol	
N-Nitrosodiphenylamine	
4-Bromophenyl-phenylether	
Hexachlorobenzene	
Pentachlorophenol	
Phenanthrene	36,000 JB
Anthracene	

ATTACHMENT A

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11
Di-n-butylphthalate	990 JB	770 JB	3400 JB	1600 JB	400 JB	2200 JB	3200 JB		1800 JB		
Fluoranthene		2000 JB	5100 JB	9700 B	2000 JB	13,000 JB	6900 JB	1300 JB			
Pyrene	1200 JB	1800 JB	4400 JB	7400 JB	2200 JB	10,000 JB	7200 JB	1100 JB	1700 JB		4100 J
Butylbenzylphthalate											
3,3-Dichlorobenzidine											
Benzo (a) anthracene		1300 J	3400 J	4200 J		6200 J	3800 J				
Chrysene		2500 J		4200 J		6700 J	4800 J				
bis(2-Ethylhexyl) phthalate	1600 JB	70,000 B	8600 B	8,000 B	120,000 B			20,000 B	27,000,000 B	21,000 B	7400
Di-n-octylphthalate						4400 J	2400 J				
Benzo (b) fluoranthene		2800 JB	3600 JB	3500 JB	1300 JB	8500 JB	4700 JB				
Benzo (k) fluoranthene		1500 JB		3800 JB	910 JB	5600 JB	3900 JB				
Benzo (a) pyrene		980 JB		3500 JB	910 JB	6600 JB	3800 JB				
Indeno (1,2,3-cd) pyrene		1600 J					2400 J				
Dibenz (a,h) anthracene		780 J									
Benzo (g,h,i) perylene		6600 J			820 J						
TICs (total	400,000	96,000	760,000	9,000	321,000	50,000	46,000	30,000	2.03×10^6	248,000	1.69x1

946030271

ATTACHMENT A

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-12	S-13	S-14	S-15	Sed-1	Sed-2	Sed-3	Sed-4	Sed-5	SW-1	SW-2	SW
Di-n-butylphthalate	590 JB		2800 JB	73 JB	910 JB	1200 JB	1200 JB	3000 JB		2 JB	2 JB	83
Fluoranthene	13000 B	1200 JB		470 B			2600 JB		6900 JB			
Pyrene	10,000 B	1200 JB	5600 JB	500 B			2500 JB		11000 JB			
Butylbenzylphthalate	4100 JB								53,000 B			
3,3-Dichlorobenzidine												
Benzo (a) anthracene	5,100 J			250 J			1000 J					
Chrysene	11,000	1500 J		310 J			2100 J					
bis(2-Ethylhexyl) phthalate	11000 B		68000 B	6600 B	4900 JB	3100 JB	33,000 B	37,000 JB	3,600,000 B	10 JB	11 JB	82
Di-n-octylphthalate			10000 J				1700 J					
Benzo (b) fluoranthene	7700 B	1800 JB		250 JB								
Benzo (k) fluoranthene	6500 B	1400 JB		200 JB								
Benzo (a) pyrene	5000 JB	1100 JB		200 JB								
Indeno (1,2,3-cd) pyrene	3300 J	1100		110 J								
Dibenz (a,h) anthracene												
Benzo (g,h,i) perylene	4100 J	1500		170 J								
TIC's (total)	135,000	383,000	2.2×10^6	10,100	56,000	920,000	439,900	470,000	3.24×10^6	46	34	57

946030272

ATTACHMENT

SUMMARY OF SAMPLING DATA
SEMI-VOLATILE COMPOUNDS (CONT.)

DATE SAMPLED 11-14-86
SAMPLE NO.
MATRIX
UNITS ppb

	SW-4	FB
Di-n-butylphthalate		3JB
Fluoranthene		
Pyrene		
Butylbenzylphthalate		
3,3-Dichlorobenzidine		
Benzo (a) anthracene		
Chrysene		
bis(2-Ethylhexyl) phthalate	210JB	12B
Di-n-octylphthalate		
Benzo (b) fluoranthene		
Benzo (k) fluoranthene		
Benzo (a) pyrene		
Indeno (1,2,3-cd) pyrene		
Dibenz (a,h) anthracene		
Benzo (g,h,i) perylene		
TIC's Total	7200	

SUMMARY OF SAMPLING DATA
PESTICIDES AND PCBs

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	SW-2	S-2	S-3	S-4	S-5	S-15	Sed-1	Sed-2	Sed-4	Sed-5
alpha-BHC										
beta-BHC										
delta-BHC										
gamma-BHC										
Heptachlor										
Aldrin		1000	300J							
Heptachlor epoxide										
Endosulfan I	.08J									
Dieldrin		7700	4200	610	100J	15J	170J	1900	6700	
4,4' -DDE					66J					
Endrin										
Endosulfan II										
4,4' -DDD					1600			130J		
Endosulfan sulfate										
4,4' -DDT							84J			1200J
Methoxychlor										
Endrin ketone										

946030274

SUMMARY OF SAMPLING DATA
PESTICIDES AND PCBs (CONT.)

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppb

	S-1	S-2	S-3	S-5	S-6	S-7	S-8	S-10	S-11	S-12	S-13	S-14	S-15	Sed-1	Sed-2	Sed-3	Sed-4	Sed-5
alpha-Chlordane																		
gamma-Chlordane										680J								
Toxaphene																		
Aroclor-1016																		
Aroclor-1221																		
Aroclor-1232																		
Aroclor-1242																		
Aroclor-1248	65,000	3700J	3100J	1800	8800	68,000	6200J	1000J	65,000	21,000	89,000	17,000	220J	2700	4100	4800J	42000J	19000
Aroclor-1254																		
Aroclor-1260																		

ATTACHMENT A

SUMMARY OF SAMPLING DATA
METALS

ppb

ppm →

DATE SAMPLED SAMPLE NO. MATRIX UNITS	MW-1	MW-2	SW-3	SW-4	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12
Aluminum																
Antimony					13.3					23.3	37	13				27.7
Arsenic	2020		87.6	132			25.5	23	31		23.5					53.5
Barium	2006		2950			427	459		529							
Beryllium	½					1.4				3.6	1.8					1.4
Cadmium	1530	34.9	816	215		3.1	3.1		5.2	15.1	6.6	55			4.3	11.4
Calcium																
Chromium	332		3880	23,500			395			502	371	156				1890
Cobalt																
Copper	2660		24,200	1310			174			1050	283	193	235			269
Iron																
Lead	20400	127	1,000	1100	598	1210	1070	720	594	4090	673	537	242	149	6820	2710
Magnesium																
Manganese																
Mercury	4.2	77.1	14.2	3.2	1.2					3.4	3.4	9.6			9.9	
Nickel							697			398	428	220			161	136
Potassium																

SUMMARY OF SAMPLING DATA
METALS (CONT.)

ppb ppm →

DATE SAMPLED	11-14-88																		
SAMPLE NO.	MW-1	MW-2	SW-3	SW-4	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-11	S-12	S-13	S-14	Sed-3	Sed-4	Sed
MATRIX																			
UNITS																			
Selenium																			
Silver			17.2	55.1					25.4										
Sodium																			
Thallium																			
Vanadium						108			388	205				144					
Zinc	51,500	84,600		35,500	635	554	484	538	1790	1106	1010	719	1320	1680	1120	1170	630	2230	97
Cyanide			5580						131									69	

Other

946030277

SUMMARY OF SAMPLING DATA
METALS

DATE SAMPLED 11-14-88
SAMPLE NO.
MATRIX
UNITS ppm

	S-13	S-14	Sed-2	Sed-3	Sed-4	Sed-5
Aluminum						
Antimony	145	27.1				
Arsenic	20.3	78.1				
Barium	560	554				468
Beryllium						
Cadmium	5.2	5.1		4	14.1	12
Calcium						
Chromium	5360	797	369		209	512
Cobalt						
Copper	234	342			895	323
Iron						
Lead	1320	2360		234	482	697
Magnesium						
Manganese						
Mercury	1.8	5.9	12			3.9
Nickel			347		668	127
Potassium						

Preliminary Assessment

Hummel Chemical Company
185 Foundry St.
Newark, Essex Co.
NJD002174712

FTA000127

ATTACHMENT B

946030279

HUMMEL CHEMICAL COMPANY
185 FOUNDRY STREET
NEWARK, ESSEX COUNTY
EPA ID# NJD002174712

The Hummel Chemical Company formerly operated a chemical warehouse/distribution center out of a small industrial complex at 185 Foundry Street in Newark, Essex County. It is also likely that operations at the site included reacting and mixing of chemicals, most of which were in powdered form. Hummel Chemical was located in Newark until the mid 1960's when operations were transferred to South Plainfield, New Jersey. It is not known how long the company operated at the Newark site. It is also not known what buildings within the complex the company may have occupied. Officials of Hummel Chemical and the Norpak Corporation/KEM Realty Company, who formerly owned a majority of the property in the complex, were questioned as to what buildings Hummel Chemical may have occupied, but no records with that information are available.

Very little information is available concerning the company's operations in Newark. According to EPA's publication, "Dioxins", published in 1980, potential dioxin precursors such as 2,4-dinitrophenoxyethanol, 3,5-dintrosalicylic acid, picric acid and hexachlorobenzene were present at Hummel Chemical Newark plant. However, it is unknown what other types of chemicals may have been present at the site or what types of storage/disposal methods were used by the company.

A review of information concerning the company's South Plainfield facility had revealed that poor housekeeping and operational practices had led to fires, explosions and employee injury, as well as groundwater, surface water and soil contamination. Because of the company's disregard for employee and public health and safety, as well as the lack of concern for the environment as shown at their South Plainfield facility, it is probable that a similar sentiment existed at the company when they operated in Newark. Therefore, it is likely that improper disposal of hazardous substances also occurred at the Newark facility. Because dioxin type compounds like those which were present at Hummel Chemical's Newark facility do not readily migrate vertically through the soil column, it is likely that many of these substances may still be present near the soil surface. This is cause for concern as the site, as well as adjacent properties, many of which are vacant and may have also been used for disposal, are easily accessible to the public. It should also be noted that since many of the substances used by Hummel Chemical were in powdered form, and dioxin type compounds have an affinity to bind with soil particles, it is possible for contaminants to be transported offsite as dust particiles or aerosols. This would allow contaminants to spread throughout the area and possibly contaminate residential areas. The nearest residential area lies only .5 miles west of the site. Since storm drains in the area discharge to the Passaic River, it is also possible for the river to be contaminated by runoff from the site. This may have a direct impact on aquatic biota in

FTA000128

ATTACHMENT B

the river because dioxin type compounds may bioaccumulate in aquatic organisms and pose a biomagnification threat, which leads to the possibility of food chain contamination. Because the dioxin type compounds do not readily migrate vertically through the soil, this also makes them readily available to terrestrial organisms. Migratory birds would seem to be the most susceptible because of the proximity of the site to the Hackensack Meadowlands. It is also possible that other hazardous substances utilized by Hummel Chemical, besides the dioxin type compounds, may have also been improperly disposed and contributed to soil and surface water contamination. Depending upon the characteristics of these substances and their ability to migrate through the soil column, it is possible groundwater contamination has occurred. Groundwater in the area, which is used only for industrial purposes, is derived from two aquifer systems. The high yield aquifer originating from the Brunswick Formation, which is the main source of groundwater in Essex County, may be contaminated by substances disposed at the site although it is relatively deep and is protected in much of the area by confining clay layers. However, the low yield aquifer existing in the unstratified drift of Pleistocene age is more likely to be affected since it exists near the surface (Attachment F).

Another cause for concern is the health of employees of the current occupant of the buildings formerly utilized by Hummel Chemical. Because of mixing operations used by the company at their South Plainfield facility which allowed chemicals to spread throughout the process buildings, it is highly likely this also occurred at Newark. If these buildings were not properly decontaminated after Hummel Chemical's departure, employees may be constantly inhaling dangerous compounds.

Although the compounds known to be present at the site are considered Class III dioxin compounds (compounds which have a very low potential to change into dioxins), a high priority for further investigation is warranted because of the lack of information available and the threats to the population and the environment. It is recommended that a site inspection be conducted as soon as possible to characterize contamination present on site. Sampling should include shallow soil samples to be anlayzed for dioxins and priority pollutants plus forty, as well as deep soil samples to be anlyzed for priority pollutants plus forty. Determination of sampling locations and number of samples would be based on information obtained during an on-site presampling assessment. It is also recommended that officials of Hummel Chemical physically identify the buildings which they believe the company may have occupied. Wipe samples to be analyzed for dioxins should be taken from inside these buildings to determine if residues from past operations still exist which may constitute a health hazard to current employees. Based on review of sample analyses, additional investigations, including installation of monitor wells to survey groundwater conditions may also be necessary. All potential migration pathways of substances off site, including storm drains, should also be investigated and closed off. Lastly, it should also be ensured that proper security is implemented to prevent unauthorized entry onto the site.

FTA000129

ATTACHMENT B

EPA

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

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJ	D002174712

II. SITE NAME AND LOCATION

01 SITE NAME	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Hummel Chemical Co.	185 Foundry St.

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Newark	NJ		Essex		

09 COORDINATES: LATITUDE	LONGITUDE	
40° 43' 34"	74° 08' 01"	Block Unknown Lot Unknown

10 DIRECTIONS TO SITE

New Jersey Turnpike to Exit 15E. Take Doremus Ave. and make a right onto Roanoke Ave. Follow Roanoke to Foundry St. Make a right on Foundry St. and site is approximately 1500 feet to the left.

III. RESPONSIBLE PARTIES

01 OWNER	02 STREET
It is unknown what buildings that Hummel occupied, however the owner of the property	

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
at that time was the Norpak/KEM Realty Company.			( )

07 OPERATOR	08 STREET
Hummel Chemical Company	10 Harmich Road

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
South Plainfield	NJ	07090	201 754-1800

13 TYPE OF OWNERSHIP

☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE

☐ A. RCRA 3001 DATE RECEIVED ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☐ YES DATE
☒ NO

BY:
☐ A. EPA ☐ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER:
CONTRACTOR NAME(S):

02 SITE STATUS

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

☒ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Picric acid, hexachlorobenzene, 3,5 dinitro salicylic acid and 2,4-dintrophenoxyethanol, which are all potential dioxin precursors, were known to be present at the site. It is unknown what other substances may have been present. See hazardous substance listing for substances which were possibly present.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Although little is known about Hummel's operations in Newark, the disregard for the environment and public and employee health and safety at the company's South Plainfield facility leads to the likelihood that soil, groundwater and surface water contamination has also occurred at Newark.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION

☒ A. HIGH ☐ B. MEDIUM ☐ C. LOW ☐ D. NONE

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Robert Beretsky	NJDEP/DHWM/BPA	(609) 984-3014

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Robert Beretsky	NJDEP	DHWM/BPA	(609) 984-3014	9/11/87

EPA FORM 2070-12 (7-81)

FTA000130

ATTACHMENT B

946030282

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NJ	D002174712

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

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

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

TONS / CUBIC YARDS / NO. OF DRUMS: Unknown

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			According to EPA's "DIOXINS"
OLW	OILY WASTE			book published in 1980, 2,4
SOL	SOLVENTS			dinitrophenoxy ethanol, hexachlor-
PSD	PESTICIDES			obenzene, 3,5 dinitrosalicylic acid
OCC	OTHER ORGANIC CHEMICALS	Unknown		and picric acid were present at
IOC	INORGANIC CHEMICALS			the Newark site. However it is
ACD	ACIDS			unknown how much of these
BAS	BASES			substances were present. It is
MES	HEAVY METALS			also unknown what other types of
				substances may have been present.

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
OCC	2,4-Dintrophenoxyethonol		Present on site according to		
OCC	3,5-dinitrosalicylic acid		EPA's "DIOXINS" book - see		
OCC	hexachlorobenzene	188-74-1	Attachment A		
OCC	picric acid				
OCC	2,4-dinitrophenol	51-28-5	These substances are used by Hummel		
OCC	hydrazine	302-01-2	Chemical at their South Plainfield, NJ		
			plant. These substances were also		
OCC	hexachloroethane	67-72-1	possibly present at the Newark facility		
IOC	lead nitrate	18256-98-4	since it is believed similar operations		
IOC	lead dioxide	7439-92-1	were conducted at both facilities.		
IOC	lead chromate	18454-12-1			
IOC	bariumchromate	7440-47-3			
IOC	zinc oxide	7440-66-6			
OCC	ethylene glycol	107-21-1			

V. FEEDSTOCKS (See appendix for most frequently cited 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)

Attachment A - EPA - "DIOXINS" EPA-600/2-80-197

EPA FORM 2070-12 (7-81)

FTA000131

ATTACHMENT B

946030283

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NJ	D002174712

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 agree)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

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

III. WASTE TYPE

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

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	Arsenic	7440-38-2			
OCC	Isopropanol	67-63-0			
SOL	Methanol	67-56-1			
ACD	Nitric acid	7697-37-2			
)	Oxalic acid	144-62-7			
ACD	Rosin acid	999			
BAS	Sodium hydroxide	1310-73-2			
OCC	Toluene	108-88-3			
OCC	Resorcinol	108-46-3			
IOC	Cupric oxide	7440-50-8			
IOC	Antimony trisulfide	7740-58-2			
OCC	Ammonium oxalate	999			
IOC	Lead thiocyanate	592-87-0			
SOL	Acetone	67-64-1			

These substances are used by Hummel Chemical at their South Plainfield plant. These substances were also possibly present at the Newark facility since it is believed similar operations were conducted at both sites.

V. FEEDSTOCKS (See Appendix for CAS Numbers)

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

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

EPA FORM 2070-13 (7-81)

ATTACHMENT B

FTA000132

946030284

EPA

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

I. IDENTIFICATION
01 STATE: NJ | 02 SITE NUMBER: D002174712

II. HAZARDOUS CONDITIONS AND INCIDENTS

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

Although dioxin type compounds do not readily migrate through soil, other substances which were improperly disposed by the company may migrate through soil and contaminate groundwater. Attachment D,E,F

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

Improperly disposed hazardous substances may enter the nearby Passaic River via storm drains or groundwater discharges. Storm drains in the area discharge to the river. Attachment

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

Hazardous substances disposed by the company may become airborne as dust particles or aerosols. The company is also known to have mixed powdered chemicals in a manner which allowed the chemicals to become airborne throughout the process buildings. These chemicals could have also been transferred to the outside atmosphere via exhaust fans. (Att.

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

The company has not been located at the Newark facility for more than twenty years, therefore a potential for fires or explosions as a result of Hummels' activities is very low.

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

It is unknown what type of disposal/storage methods were used by the company at the Newark facility. However, poor housekeeping and operational practices, which are a trademark of Hummel, may have lead to improper disposal on adjacent properties which are easily accessible to private citizens. Attachment C,E

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

Soil contamination may have occurred as a result of poor housekeeping and operational practices which are common at Hummel Chemical facilities. Also, since dioxin type compounds, similar to those produced by the company, do not readily biodegrade or migrate through soil, it is likely any of these substances disposed by the company are still present. Attachment A,C,E

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

There are no drinking water sources in the area, therefore no potential exists.

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

Because Hummel was known to have mixed powdered chemicals in a manner which allowed the chemicals to spread throughout their process building, it is likely employees of the current occupant may come into contact with these chemicals if the building was not completely decontaminated. Attachment C

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

Private citizens could be exposed to hazardous substances which were improperly disposed by the company. Citizens could come into contact with the substances as dust particles or aerosols which were blown off site. A large residential area lies only .5 miles west of the site. Attachment A, C

EPA FORM 2070-12 (7-81)

FTA000133

ATTACHMENT B

946030285

EPA

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

I. IDENTIFICATION
01 STATE: NJ
02 SITE NUMBER: D002174712

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. DAMAGE TO FLORA — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
04 NARRATIVE DESCRIPTION
Flora may be impacted by hazardous substances disposed by the company, especially dioxin type compounds which may accumulate in plant tissues.
Attachment A pp. 33-34

01 [X] B. DAMAGE TO FAUNA — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
04 NARRATIVE DESCRIPTION
Fauna may be impacted by hazardous substances disposed by the company, especially dioxin type compounds which may accumulate in animal tissues.
Attachment A pp 25-33

01 [X] C. CONTAMINATION OF FOOD CHAIN — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
04 NARRATIVE DESCRIPTION
Hazardous substances disposed by the company, especially dioxin type compounds which bioaccumulate in animal tissues, may biomagnify through the trophic levels of the food chain. This is of great concern in this area because of the proximity to the Hackensack Meadowlands. Attachment A pp. 25-34

01 [X] M. UNSTABLE CONTAINMENT OF WASTES — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION Attachment C, E
Little is known about storage/disposal methods used by Hummel at the Newark facility. However because of the poor housekeeping and operational practices observed at the company's South Plainfield facility, it is likely similar conditions existed in Newark.

01 [X] N. DAMAGE TO OFFSITE PROPERTY — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
04 NARRATIVE DESCRIPTION
Adjacent properties may be damaged by improperly disposed hazardous substances.

01 [X] O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
04 NARRATIVE DESCRIPTION Attachment D
Hummel is known to have disposed hazardous substances through floor drains at their South Plainfield facility. It is likely hazardous substances were also disposed of in this manner as well as through storm drains at the Newark site. Floor drains lead to the local sewage authority and storm drains discharge to the Passaic River.

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
04 NARRATIVE DESCRIPTION
It is unknown what type of disposal was used at the site by Hummel. However, because of the lack of environmental concern shown by Hummel at its South Plainfield location, it is likely illegal/unauthorized dumping has occurred at the Newark site.
Attachment C,D,E

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

This company is not related to the Hummel-Lamolin Corp. which is located in the same complex.

V. SOURCES OF INFORMATION

Attachment A - EPA publication - "DIOXINS" - EPA-600/2-80-197
Attachment B - Memos to File
Attachment C,D,E - NJDEP/Hazardous Waste Management/Bureau of Planning and Assessment
Attachment F - Groundwater Survey of Essex County

EPA FORM 2070-12 (7-81)

FTA000134

ATTACHMENT B

946030286

Form ADM-012

MEMO

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO FILE DATE 26 AUG 1987

FROM RB ROBERT BERETSKY, HSMS IV, BUREAU OF PLANNING AND ASSESSMENT

SUBJECT HUMMEL CHEMICAL COMPANY, NEWARK, ESSEX COUNTY

The writer spoke with Mr. Bernard Shoen of the Hummel Chemical Company concerning their facility in Newark, Essex County.

According to Mr. Shoen, the company was located at 185 Foundry St., in Newark but has not operated at the site for approximately 25 years. Mr. Shoen stated the company may have leased building #18 but he was not certain. He also stated that approximately 90% of the operation at the Newark facility consisted of warehousing.

The writer also spoke with officials of the Norpak/KEM Realty Company which had owned the property in the mid 1960's. According to Mr. Corasi of Norpak, Hummel Chemical did lease property at 185 Foundry St., but they could not find any records stating what buildings Hummel may have occupied.

HS203:mz

FTA000185

ATTACHMENT D

Attachment B-1

946030287

MEMO NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO FILE DATE SEP 14 1987

FROM ROBERT BERETSKY, HSMS IV, BUREAU OF PLANNING AND ASSESSMENT

SUBJECT HUMMEL CHEMICAL COMPANY, NEWARK, ESSEX COUNTY

On 9/8/87, the writer spoke with Chief Busini of the Newark Fire Department concerning the subject facility. Chief Busini stated he spoke with fire inspectors who investigate the Foundry Street area but none of them have been with the fire department long enough to remember Hummel Chemical. Chief Busini then referred the writer to Newark Fire Department Engine 16 (201/733-7461) who are first responders to many fires. The writer spoke with Mr. Mertz of Engine 16 who stated he remembers Hummel Chemical being in the Foundry Street complex but does not know what buildings they occupied. Mr. Mertz also stated they responded to numerous fires and chemical spill incidents at the Foundry St. complex but he does not remember if any were at the Hummel Chemical facility.

HS203:mz

FTA000136

B-2

ATTACHMENT D

946030288

State of New Jersey

DEPARTMENT OF HEALTH
JOHN FITCH PLAZA
CN 360, TRENTON, N.J. 08625

February 8, 1982

Dr. Ramsey Christian
Compliance Officer
Hummel Chemical Company, Inc.
Harmich and Metuchen Roads
South Plainfield, New Jersey 07080

Dear Dr. Christian:

Enclosed please find a copy of our report on Hummel Chemical Company, Inc. It contains a brief description of the plant as well as an account of the two accidents which occurred in December of 1981. There are also recommendations included in the report, although they do not cover all areas of concern.

Andrew Rowland, an Occupational Health Specialist in our Program, will be contacting you to arrange health and safety training for your employees. We appreciate your cooperation and concern in this matter.

Sincerely,

Jerry Roseman
Program Specialist III
Occupational Health Program

JR/jmc

FTA000137

ATTACHMENT

Attachment C-1

946030289

SECTION I - INTRODUCTION

Following is a report which discusses three site visits conducted at Hummel Chemical Company during December of 1981. Also included are recommendations regarding engineering controls, work practices and employee education aimed at reducing potentially hazardous occupational exposures at the plant.

Hummel Chemical Company, Incorporated, is presently located in South Plainfield, New Jersey. Previously the plant was located in Newark, New Jersey. The warehouse at the South Plainfield site is approximately 25,000 square feet in size. Hummel employs between 15 and 20 people. The company operates primarily as a chemical wholesaler; that is, a number of different chemicals are bought in relatively large quantities and are subsequently resold in smaller amounts, often with little or no processing. Sometimes, however, Hummel Chemical mixes, sifts, screens, mills or reacts chemicals in order to produce a desired product. The greatest potential for hazardous occupational exposures exists during these operations.

SECTION II - BACKGROUND

Hummel Chemical Company, Incorporated, is a small chemical wholesaler which engages in chemical processing to a limited degree. Most of the processing is mixing, milling and screening a variety of materials. A small percentage of production involves reacting chemicals such as hexachlorobenzene, hydrazine and others to produce contracted compounds.

There are a number of toxic chemicals on site at Hummel Chemical. Many of these pose a serious fire and/or explosion hazard as is evidenced by the history of such incidents at the South Plainfield Plant. Since

FTA000138

ATTACHMENT E

946030290

Hummel has been operating in South Plainfield [illegible] have been [illegible] and one explosion reported. Most of the fires seem to be associated with similar causal conditions. There are many chemicals in the plant that are strong oxidizers. These include potassium nitrate, sodium nitrate and ammonium perchlorate, among others. Hummel also stores a number of organic chemicals, which can act as fuels. The fire and explosion hazards arise when an oxidizer comes in contact with a fuel in the presence of a spark, flame or some other ignition source. At Hummel, it appears that many of the fires started in those areas of the plant where the milling, mixing or screening of oxidizing materials are performed.

The two most recent accidents at the plant occurred on 12/1/81, and on 12/3/81. On 12/1/81 there was a fire at Hummel Chemical Company in which one employee was injured. Two days later there was an explosion at the plant. No one was injured in the second accident, although parts of the building suffered significant structural damage. According to South Plainfield Fire Chief John Cotone, the fire department is developing recommendations for Hummel Chemical to reduce the potential fire and explosion risks at the plant.

The Occupational Health Program was made aware of the situation at Hummel Chemical Company by Robert Kunze, Middlesex County Occupational Health Inspector Mr. Kunze and the South Plainfield Fire Department, as well as the New Jersey Department of Environmental Protection's Hazard Management Unit, responded to both accidents.

According to company statements the operation that was being performed at the time of the 12/1 fire involved the screening of a product called SDR. SDR is a mixture of potassium nitrate, charcoal and sulfur. Ramsey Christian, the firm's compliance officer, informed us on our first visit to the plant on 12/10/ that the exact cause of the fire was unknown; however, he felt that during the screening process a more active mixture than the one they were attempting to produce may have inadvertently formed. It was this "active mixture"

FTA00139

ATTACHMENT E

946030291

which could have been ignited if a spark was produced by dragging one of the steel rimmed drums across the concrete floor. On 12/3/81, Hummel Chemical Company was again the scene of an accident. This time an explosion occurred as the result of a reaction between chlorodinitrobenzene and ethylene glycol, which was being carried out in a 150 gallon stainless steel jacketed reactor. The material produced by the reaction of these two chemicals was dinitrophenoxyethanol, a plasticizer used in rocket motor fuel. Again, Hummel representatives stated that they had been unable to discover the reasons for the accident.

SECTION III - DESCRIPTION OF PLANT OPERATIONS AND HAZARDS

The fire that occurred on 12/1/81 started in the "pit area" of the plant. Two types of operations are carried out in the pit area - milling and screening/sifting. Both processes are similar in that a powdered or crystalline raw material is poured through a screen in the floor of the upper level in the area. It then passes through a cloth tube before entering either the milling or screening/sifting machinery. After processing, the refined product is collected in fiber drums which are then sealed and prepared for shipment.

On 12/10/81 and 12/21/81 I, along with Middlesex County Health Inspector Robert Kunze, identified a number of potentially hazardous conditions at the plant. There was inhalation hazard posed by high concentrations of dust in the air of the pit area. We also experienced irritation to the skin, eyes and mucous membranes by certain chemicals (eg. potassium nitrate). There is also a potential risk of fire and/or explosion if high concentrations of oxidizers in the room air come into contact with a "fuel" in the presence of ignition source. In addition, there were potential health hazards associated with high noise levels and by the storage and handling of highly toxic and, in some cases, carcinogenic chemicals.

FTA000140

ATTACHMENT E

946030292

On 12/21/81, Hummel Chemical Company was engaged in the milling of pure potassium nitrate using the process described above. Two employees, one on the upper level and the other in the pit area, were responsible for the operation being performed. As the employee on the upper level slit open the bags of powdered potassium nitrate and poured it through the screen in the floor, large clouds of dust were evolved. As the potassium nitrate passed from the cloth tube into the milling machine clouds of dust again escaped into the workroom air. Finally, on the floor of the pit area where the second employee stood with the fiber drums to be filled, large quantities of dust covered the floor and contaminated the entire area. All walking - working surfaces were coated with dust. Both Robert Kunze and I experienced coughing and choking and a burning sensation to the skin, due to the concentration of potassium nitrate dust in the air. We were observing the operation from the warehouse where a number of highly toxic organic chemicals are stored. That the dust was present in the warehouse as well as the pit area is a source of concern.

SECTION IV - RECOMMENDATIONS

We feel that the employees at Hummel Chemical Company face a potentially hazardous situation. This judgement is based on the following factors: (1) A history of fires at Hummel Chemical Company; (2) Poor workpractices and housekeeping at the South Plainfield plant; (3) High dust concentrations in the pit area of the plant which may pose a health hazard as well as a fire hazard; (4) Employee exposure to high noise levels; (5) The lack of adequate ventilation or other engineering controls as a mechanism for reducing dust levels; (6) The lack of protective equipment worn by employees; and (7) The lack of effective worker education at Hummel Chemical Company.

It is hoped that the following recommendations, when implemented, will

 C-5 ATTACHMENT E

FTA00001-1

946030293

begin to minimize the health and safety hazards faced by employees at Hummel Chemical Company. These recommendations do not represent a final or a comprehensive effort at correcting all the problems discussed in this report. Hummel Chemical Company should work with a qualified ventilation engineer in order to develop engineering controls based on the recommendations made in this section. Only with the help and cooperation of Hummel Chemical Company can we completely address and correct the wide range of health and safety problems which exist at the plant.

(1) In order to minimize dust exposure to employees who are pouring chemicals through the grating in the floor of the upper level of the pit area, a portable canopy-type enclosure arrangement should be used to enclose the floor screening. The hood should include a slot into which a knife blade is mounted and which would be used to slit open the bags of material.

(2) Consideration should be given to replacing the cloth tube used during milling operations with tubing material that would not retain large amounts of dust. This material, possibly plastic, should form a dust tight seal with any equipment it feeds into.

(3) Another source of high dust exposure occurs as the material passes from the milling machinery into drums. There are a number of different types of drum hoods connected to a local exhaust system leading to a bag house which would be appropriate.

(4) In consultation with a ventilation engineer it might prove feasible to design a ventilation system which encloses the entire milling and drum-filling operation. We could work with Hummel in contacting a consultant and in designing an acceptable system.

(5) Drums should be made of materials that are flame resistant. To prevent the build-up of static electrical charges, drums, especially those with metal or plastic rims, should not be dragged across the workroom floor. A handtruck could be used to move the drums.

* Enclosed find copies of diagrams on bag filling and barrel filling operations from the "Industrial Ventilation Manual." Hopefully these can serve as illustrations of the types of designs which you could adopt.

C-6 ATTACHMENT E

FTA000142

946030294

(6) All tools, including shovels, used in the pit area of the plant should be composed of non-sparking alloys such as beryllium or copper. A listing of local manufactures of such tools is attached.

(7) If the Portasifter will be used to sift materials directly into drums, a gasket of some type must be used to provide a dust-proof seal. In order to minimize dust exposures to employees engaged in pouring chemicals through the sifter a hood arrangement similar to the one discussed in (1) of this section could be used.

(8) Employees who work in the pit area performing milling and sifting operations should wear approved NIOSH respirators equipped with the proper filtering medium. They should also wear gloves and protective goggles. The health department can provide a listing of approved equipment.

(9) Employee education should be conducted at Hummel Chemical Company covering such issues as exposure to toxic substances, the risk of fire and explosion in the pit area, the importance of personal protective equipment and other relevant topics.

The above recommendations are by no means exhaustive and deal primarily with the fire and explosion risks which exist at the plant. Further investigation and discussion need to be conducted with representatives of Hummel Chemical Company in order to effectively address some of the other potential health and safety problems faced by Hummel employees.

FTA000143

ATTACHMENT E

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
John J. Trela, Ph.D., Director
401 East State St.
CN 028
Trenton, N.J. 08625-0028
(609)633-1408

Michele M. Putnam
Deputy Director
Hazardous Waste Operations

Lance R. Miller
Deputy Director
Responsible Party Remedial Action

M E M O R A N D U M

TO: Richard Gervasio, Supervisory Environmental Technician
Bureau of Planning and Assessment

FROM: Robert Beretsky, HSMS III
Bureau of Planning and Assessment

DEC 14 1988

SUBJECT: SAMPLING PLAN FOR THE HUMMEL CHEMICAL
(AKA: 185 FOUNDRY STREET) SITE

PROPOSED DATE OF SAMPLING: October 14, 1988

PURPOSE:
To characterize contaminants present at the site and determine the hazards these contaminants pose to public health and the environment.

COMMENTS:
The Hummel Chemical Company formerly processed a variety of chemicals at a small industrial complex located at 185 Foundry Street in Newark from the mid-1950's to the mid-1960's. Although the exact nature of Hummel's operations at the Foundry Street site are unknown, it appears most of the processing occurred through mixing and blending of powdered chemicals. Some of the chemicals reportedly used by Hummel are considered Class III Dioxin precursors. It is unknown exactly what building(s) Hummel may have occupied at the Foundry Street complex.

The Foundry Street complex is comprised of approximately 30 buildings, many of which currently and formerly housed chemical related industries. Former operators at this site include the Arkansas Chemical Company, Coronet Chemical Company, Diamond Shamrock, Essex Chemical Company, and Honig Chemical. Current occupants include the Sun Chemical Company, Conus Chemical, Avon Drum and Automatic Electroplating.

Most of the buildings are in close proximity, separated only by small alleyways. The alleyways throughout the site are bisected by common storm drains which receive contaminated runoff and, in some instances, direct discharges from the various industries. Samples collected from one, of the storm drains near the Sun Chemical Company as part of Sun Chemicals ECRA submittal revealed high concentrations of volatile organics. Since the storm drains are common to all the industries and due to the long history of industrial use at this site, it is difficult to assess which industries are the actual contributors to contamination in the drains.

New Jersey is an Equal Opportunity Employer
Recycled Paper

ATTACHMENT G

Although most of the site is covered with concrete or asphalt, there are many exposed surfaces which are stained from spills and leaks of chemicals. Much of the "covered" areas are cracked or consist only of cobblestone thereby permitting any spills to migrate to the soil.

A presampling assessment conducted by NJDEP personnel on October 7, 1988 revealed most of the exposed soil surface is stained and appears to be saturated with chemicals. Pools of multi-colored chemicals were observed in many areas throughout the site. Poor housekeeping practices appear to be commonplace by almost all industries within the complex. Drums of hazardous substances were being stored throughout the site in insecure areas which lacked adequate secondary containment. Many of the drums were leaking and insecure.

Soil gas readings were recorded throughout the site using an HNu photoionization detector and an OVA flame ionization detector. Readings obtained on the HNu ranged from background (0.6 ppm as benzene) to over 600 ppm as benzene; those on the OVA ranged from 10 ppm as methane to over 1000 ppm as methane. Ambient air readings ranged from background to 40 on the HNu and from background to over 10 on the OVA.

Based on information obtained during the presampling assessment, further investigation of the site is warranted. Since the exact location of Hummel Chemical within the Foundry Street Complex cannot be discerned and due to the close proximity of the various industries to one another, the entire complex will be treated as one site.

SECTION A: QA/QC SAMPLES:
One trip blank to be analyzed for volatile organic chemicals and one field blank to be analyzed for substances included on the Hazardous Substance List + 30 peaks (HSL + 30) will be prepared for QA/QC purposes.

The trip blank will be filled with demonstrated analyte free water at Weston Labs prior to shipment to the Bureau of Planning and Assessment and will not be opened until it arrives back at the lab with the other samples. This sample will serve as a quality control to ensure contaminants are not being transfered between containers during shipment, nor occurring as a result of laboratory contamination.

The field blank will be prepared by pouring demonstrated analyte free water through a lab cleaned teflon bailor into sample bottles provided by Weston Labs. This sample serves as a quality control of the sample collection procedures and the equipment cleaning process ensuring contaminants are not being transferred to the sample via the sample collection equipment.

A Performance Evaluation (PE) dioxin sample will be obtained from the NJDEP/Bureau of Environmental Laboratories and shipped to Weston Analytical Laboratories with the dioxin samples collected on site. This sample will be used to determine the proficiency of the labs analytical procedures for dioxin analysis.

Lastly, a total of four additional environmental samples will be collected, two for each environmental media sampled (soil/sediment and water), and will be used as Matrix Spike and Matrix Spike Duplicate samples for lab QA/QC purposes. These samples will be collected from the soil 2 and surface water 1 locations and analyzed for the HSL + 30.

ATTACHMENT G

SECTION B: AQUEOUS SAMPLES:
A total of six aqueous samples (excluding MS spike samples), including two monitor well samples and four surface water samples will be collected during the site inspection.

The two monitor well samples will be collected from wells located on the former Hummel-Lanolin property (not related to Hummel Chemical) near the northern corner of the Foundry Street Complex. Three to five times the volume of water in each well will be evacuated from the well before sampling is initiated. Centrifugal pumps with dedicated polyethylene tubing will be used to pump each well. Samples will be collected using dedicated teflon bailors and nylon string. All samples will be analyzed for the HSL + 30.

The four surface water samples will be collected from locations SW-1 through SW-4 as labelled on the attached map. These samples will be collected from the on site drainage system, and will be analyzed for the HSL + 30.

SECTION C: SOIL/SEDIMENT SAMPLES:
A total of fifteen soil samples and five sediment samples (excluding the MS spike samples) will be collected during the site inspection. Fourteen of the soil samples will be collected from locations SOIL-1 through SOIL-14 as labelled on the attached map and analyzed for the HSL + 30. All of these samples will be collected at a depth of 0 to 6 inches, with the exception of sample SOIL-3 which will be collected at a depth of 4 to 4.5 feet, and SOIL-4 which will be collected at a depth of 1.0 to 1.5 feet. Three soil samples will be collected from locations SOIL DIOX-1 through SOIL DIOX-3 as labelled on the attached map, and analyzed for the 2,3,7,8 TCDD dioxin isomer. These samples will be collected at a depth of 0 to 6 inches. Two soil samples, SOIL-15 and SOIL DIOX-4, will be collected from an offsite location to be determined on the date of sampling and will be analyzed for HSL + 30 and the 2,3,7,8 TCDD dioxin isomer, respectively. Both samples will be collected at a depth of 0 to 6 inches and serve as indicators of background soil conditions.

The five sediment samples will be collected from locations SED-1 through SED-5 as labelled on the map. These samples will be analyzed for the HSL + 30.

All soil/sediment samples will be collected using lab cleaned and dedicated stainless steel bucket augers will be utilized when necessary.

SECTION D: PROCEDURES AND EQUIPMENT:
Lab cleaned and dedicated teflon bailors will be used to collect samples from the two monitor wells. Three to five times the volume of water in each well will be evacuated from the well before sampling is initiated. Centrifugal pumps with dedicated polyethylene tubing will be used to purge both wells.

Lab cleaned and dedicated stainless steel trowels will be used to collect all soil and sediment samples. Lab cleaned and dedicated stainless steel bucket augers will be used as necessary to assist in sample collection.

NJDEP sampling procedures and protocol will be followed at all times.

ATTACHMENT G

SECTION E: COSTS:

WESTON LABORATORY PRICES:

	ANALYSIS	COST EACH	TOTAL COST
20 Soil/Sediment Samples	HSL + 30	$1,725.00	$34,500.00
2 Groundwater Samples	HSL + 30	$1,600.00	$ 3,200.00
4 Surface Water Samples	HSL + 30	$1,600.00	$ 6,400.00
5 Soil Samples	2,3,7,8 TCDD	$ 450.00	$ 2,250.00
1 Field Blank	HSL + 30	$1,600.00	$1,600.00
1 Trip Blank	VOA	$ 400.00	$ 400.00
			$48,350.00

SECTION F: SHIPPING AND HANDLING:
Samples will chain of custody sealed in coolers provided by Weston Laboratories and shipped back to Weston via Federal Express (overnight). Weston's Federal Express No. is 0191-1273-0. Samples will be kept at 4°C at all times.

SECTION G: RECOMMENDATIONS:
Due to the potential for dioxin contamination within the buildings formerly occupied by the Hummel Chemical Company and the Diamond Shamrock Corporation, additional sampling inside the buildings is necessary. These samples may include wipe, chip and possibly air samples collected at strategic locations such as old exhaust fans, floors, window panes, trusses, etc.

All actions undertaken at the site will be coordinated with the NJDEP/Division of Hazardous Waste Management/Metro Field Office.

Further recommendations will be based on review of the samples analyses from the 10/14/88 site inspection.

RB:mz

FTA000147

ATTACHMENT G

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

Michele M. Putnam
Deputy Director
Hazardous Waste Operations

John J. Trela, Ph.D., Director
401 East State St.
CN 028
Trenton, N.J. 08625-0028
(609)633-1408

Lance R. Miller
Deputy Director
Responsible Party Remedial Action

M E M O R A N D U M

TO: Richard Gervasio, Supervising Environmental Technician
Bureau of Planning and Assessment

MAR 15 1989

FROM: Robert Beretsky, HSMS III RB
Bureau of Planning and Assessment

SUBJECT: SAMPLING EPISODE REPORT FOR THE HUMMEL CHEMICAL (AKA: FOUNDRY STREET) SITE

PURPOSE:
To outline sampling activities conducted by Bureau of Planning and Assessment personnel at the subject site.

NJDEP REPRESENTATIVES:
RICHARD GERVASIO, SUPERVISORY ENVIRONMENTAL TECHNICIAN
CLARE SULLIVAN, HSMS III
EDWARD GAVEN, HSMS III
DAVID VAN ECK, HSMS III
ROBERT RAISCH, HSMS III
CHRISTINA HOLSTROM, HSMS III
FRANK SORCE, HSMS IV
ROBERT BERETSKY, HSMS III

DATE OF SAMPLING: October 14, 1988

DATE OF REPORT: October 26, 1988

COMMENTS:
The Hummel Chemical Company formerly processed a variety of chemicals from a small industrial complex located at 185 Foundary Street in Newark from the mid 1950's to the mid 1960's. Although the exact nature of Hummels operations at the Foundry Street site are unknown, it appears most of the processing occured through mixing and blending of powered chemicals. Some of the chemicals reportedly used by Hummel are considered Class III Dioxins precursors. It is unknown exactly what building(s) Hummel may have occupied at the Foundry Street complex.

The entire Foundry Street complex has a long history of occupancy by a variety of chemical related industries dating back to at least 1931. In the early 1930s, the site was utilized by H.A. Metz Laboratories for

New Jersey is an Equal Opportunity Employer
Recycled Paper

ATTACHMENT H

the manufacture of drugs (not specified). According to the Sandborne Fire Insurance maps for 1931, many of buildings occupied by H.A. Metz were used as labs. Also at this time, the northeastern portion of the property was undeveloped.

In the 1950s at least two industries, Chemical Industries Inc. and the Arkansas Chemical Company, occupied the site. Arkansas, located at the extreme southern portion of the site, manufactured textile related chemicals until approximately 1982. The type of operations undertaken by Chemical Industries Inc. is unknown but it is believed they may have leased some buildings to other chemical companies. Many of the buildings were again labeled for laboratory use on the 1950 Sandborne Map.

Currently, the Foundry Street Complex is comprised of approximately 30 buildings, many of which still house chemical related industries. These industries include the Sun Chemical Company, Conus Chemical Company, Avon Drum Company and Automatic Electroplating.

Most of the buildings are in close proximity separated only by small alleyways. The alleyways throughout the site are bisected by common storm drains which receive contaminated runoff and in some instances, direct discharges from the various industries. Samples collected from one of the storm drains near the Sun Chemical Company as part of Sun Chemical's ECRA submittal revealed high concentrations of volatile organics. Since the storm drains are common to all of the industries and due to the long history of industrial use at the site, it is difficult to assess which industries are the actual contributors to contamination in the drains.

Most of the site is covered with concrete, asphalt, and/or buildings, but many exposed surfaces are stained from apparent releases of chemicals. Also many of the "covered" areas are cracked or consist only of cobblestone, thereby permitting any releases to easily migrate to the soil.

A presampling assessment conducted by NJDEP personnel on October 7, 1988 revealed most of the exposed soil surface is stained and appears to be saturated with chemicals. Pools of multicolored chemicals were observed in many areas around the site, especially near Conus Chemical. Poor housekeeping practices appear to be commonplace by almost all of the industries within the complex. Drums of hazardous substances were being stored throughout the site in insecure areas which lacked adequate secondary containment. Many of the drums were leaking and in poor condition.

During the presampling assessment, soil gas readings were obtained throughout the site using an HNu photoionizer and an OVA flame ionizer in the survey mode. Readings obtained on the HNu ranged from background (0.6 ppm as benzene) to over 600 ppm; those on the OVA ranged from 10 ppm as methane to over 1000 ppm. Ambient air readings ranged from background (1.0 ppm) to over 10 ppm on the OVA.

Based on information obtained during the presampling assessment, further investigation was deemed necessary.

Scheduled for sampling on 10/14/88 were eighteen soil samples, five sediment samples, four surface water samples and two groundwater samples. All of the samples, with the exception of four soil samples, are to be

ATTACHMENT H

sampled for the Hazardous Substance List + 30 peaks. The other four soil samples are to be analyzed for the 2, 3, 7, 8 TCDD dioxin isomer.

It should be noted corrective actions were needed at several sample locations and will be discussed in the sections pertaining to these samples.

SAMPLING EPISODE: Weather: sunny; 55°F

0720:
Richard Gervasio, Edward Gaven, David Van Eck, Frank Sorce and Robert Beretsky arrive on site.

0725:
Clare Sullivan, Robert Raisch and Christina Holstrom arrive on site.

0830:
All shuttle seals are broken by Richard Gervasio and Robert Beretsky (See pages 9-15 for sample numbers and corresponding seal numbers).

0830-0840:
Sampling team sets up decontamination line along northern portion of site near Conus Chemical.

0840-0850:
Robert Beretsky escorts sampling team around site to exhibit the sample locations.

0855-0920:
David Van Eck and Frank Sorce collect Soil 2 (BSA10148467) from behind a warehouse associated with the Arkansas Chemical Company operations (Soil 2 as labeled on attached map). The sample was obtained at a depth of 6 to 12 inches below grade and was described as dark brown to black sand and gravel. The sample location was photographed.

0900-0905:
Edward Gaven and Robert Raisch obtain Soil 10 (BSA10148475) from the eastern side of the Avon Drum Company yard area (Soil 10 as labeled on attached map). The sample was described as dark brown silty sand and clay mixed with black fill material. The sample was collected at a depth of 0 to 6 inches. A photograph was taken of the sample location.

0900-0905:
Sediment 3 (BSA10148483) is collected by Clare Sullivan and Christina Holstrom from the storm drain located in the alleyway between the four story building formerly associated with Arkansas Chemical Company and the current Automatic Electroplating Company Building #22 (Sediment 3 as labeled on attached map). The sample is obtained at a depth of 0 to 6 inches and is described as black tarry soil. The sample location was photographed by NJDEP/DHWM/BPA personnel.

0915-0925:
Clare Sullivan and Christina Holstrom obtain Sediment 2 (BSA10148476) from the drainage ditch reportedly emenating from Sun Chemical's wastewater treatment system (SED 2 as labelled on map). The sample was collected at a depth of 0 to 6 inches and was described as purple sandy sediment

ATTACHMENT H

intermixed with small pebbles. The sample location was photographed by NJDEP/DHWM/BPA personnel.

0925-0930:
Edward Gaven and Robert Raisch obtain Soil 11 (BSA10148476) from the yard area of the Avon Drum Company along the fenceline of Avon Drum and the former Hummel-Lamolin property (Soil 11 as labelled on attached map). The sample was taken at a depth of 6 to 8 inches and was described as dark brown to black silt and yellow brown clay. Readings of 10 to 20 ppm as methane were obtained on the OVA directly over the sample location. The sample location was changed from that proposed in the sampling plan (near the center of Avon Drum Companys' yard area) due to the very hard soil surface encountered at the proposed location. NJDEP/DHWM/BPA personnel photographed the sample location.

0930-0945:
Clare Sullivan and Christina Holstrom collect Soil 1 (BSA10148466) from near a drum storage area on the Sun Chemical site (Soil 1 as labeled on map). The sample was described as oil stained soil and was collected at a depth of 0 to 6 inches. The sample location was photographed by NJDEP/DHWM/BPA personnel.

0935-0940:
Edward Gaven and Robert Raisch obtain Soil 12 (BSA10148477) from the yard area of the Avon Drum Company near the northern fence line bordering Roanoke Avenue (Soil 12 as labeled on map). The sample was collected at a depth of 0 to 6 inches and was described as dark brown silty sand. The sample location was photographed by NJDEP/DHWM/BPA personnel.

0950-0955:
Soil 13 (BSA10148478) was collected by Edward Gaven and Robert Raisch along the northern fenceline of the Avon Drum Company yard area, directly west of soil location 12 (Soil 13 as labeled on map). The sample was collected at a depth of 0 to 6 inches and was described as dark brown to black soil and green-red clay. Readings ranging from 200 to 300 ppm as methane were recorded on the OVA over disturbed soil within the sample location. The sample location was photographed by NJDEP/DHWM/BPA personnel.

0950-1015:
David Van Eck and Frank Sorce collect Soil 3 (BSA10148468) from within the Soil 2 sample boring (Soil 3 as labeled on map). The sample was obtained at a depth of 1.5 to 2 feet below grade and was described as dark black oily sand and gravel. This sample was to be collected at a depth of 4 to 4.5 feet below grade, however due to the excessive amounts of gravel encountered, this depth could not be achieved. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1010-1015:
Soil 14 (BSA10148479) is collected by Edward Gaven and Robert Raisch in the yard area of the Avon Drum Company, between rows of stacked drums (Soil 14 as labeled on map). The sample was described as black soil with a petroleum odor. A reading of 100 ppm as methane was recorded over disturbed soil within the sample location. The sample was collected at a depth of 0 to 6 inches. The sample location was photographed by NJDEP/DHWM/BPA personnel.

FTA000151

ATTACHMENT #1

1015-1025:
David Van Eck and Frank Sorce obtain Soil 4 (BSA10148469) at a depth of 6 to 8 inches below grade, directly beneath a pipe emenating from the former Arkansas Chemical Company warehouse (Soil 4 as labeled on map). The sample was described as brown sand. This sample location was also changed from that proposed in the sampling plan, as it was believed to be a more appropriate location by sampling team personnel. A photograph was taken of the sample location.

1015-1025:
Clare Sullivan and Christina Holstrom collect Surface Water 1 (BSA10148488) from the drainage ditch between the Sun Chemical (Building #23) and former Arkansas Chemical Company buildings (SW 1 as labeled on map). The sample was obtained from an active flow and is described as clear water with an oil sheen on the surface. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1030-1045:
Soil 5 (BSA10148470) is obtained by David Van Eck and Frank Sorce from beneath one of the former Arkansas Chemical Company buildings in the southeastern corner of the site (Soil 5 on attached map). The sample is described as dark brown to black sand and gravel and is collected at a depth of 6 to 12 inches. The sample location is photographed by NJDEP/DHWM/BPA personnel.

1040-1045:
Clare Sullivan and Christina Holstrom obtain Sediment 1 (BSA10148481) from the drainage ditch between the Sun Chemical (building #23) and former Arkansas Chemical Company buildings (Sed. 1 as labeled on map). The sample was described as black grainy soil intermixed with pebbles. The sample was collected at a depth of 0 to 6 inches. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1040-1046:
Richard Gervasio and Robert Beretsky obtain Soil 9 (BSA10148474) from the northern portion of the site near Conus Chemicals' drum storage area (Soil 9 as labeled on map). The sample was collected at a depth of 0 to 6 inches and was described as black oily soil. The sample location was photographed.

1045-1050:
Edward Gaven and Robert Raisch collect Dioxin 3 (BSA10148494) from within the yard area of the Avon Drum Company (Soil Diox 3 as labeled on map). It should be noted this location was not proposed in the sampling plan and Dioxin 3 was to be collected from behind the Arkansas Chemical Company warehouse near Soil Location 2. However, due to a mixup the sample Dioxin 3 was collected from the yard area of the Avon Drum Company and Dioxin 4 obtained from the proposed Dioxin 3 location behind the Arkansas warehouse. Dioxin 4 was initially designated as the background (offsite) dioxin sample.

The Dioxin 3 sample was described as dark brown silt with some clay and was collected at a depth of 0 to 6 inches. The sample location was photographed by NJDEP/DHWM/BPA personnel.

FTA000152

ATTACHMENT H

946030304

1055-1100:
Richard Gervasio and Robert Beretsky collect Soil 8 (BSA10148473) from near Conus Chemicals' drum storage area, approximately 100'-120' southeast of the Soil 9 sample location (Soil 8 as labeled on map). The sample was collected at a depth of 0 to 6 inches and was described as dark black oil-stained soil. A photograph was taken of the sample location.

1100-1115:
Surface Water 3 (BSA10148490) was obtained by Clare Sullivan and Christina Holstrom from the drainage ditch directly behind Automatic Electroplating (building #22 - SW 3 as labeled on map). The water within this ditch appeared to be static at the time of the site inspection and was described as slightly cloudy, gray to brown water with an oil sheen on the surface. The sample was collected directly within the sample bottles. A photograph is taken of the sample location.

1110-1115:
Dioxin 4 (BSA10148495) is obtained by Edward Gaven and Robert Raisch behind the former Arkansas Chemical Company warehouse near Soil #2 (Soil Diox 4 as labeled on attached map). As was previously stated, Dioxin 4 was to be the background dioxin sample, and Dioxin 3 was to be collected behind the Arkansas warehouse, however, due to a mixup Dioxin 3 was collected in the yard area of the Avon Drum Company and Dioxin 4 was moved to behind the Arkansas warehouse. The sample was collected at a depth of 0 to 6 inches and was described as brown silt and clay. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1115-1120:
Clare Sullivan and Christina Holstrom collect Sediment 4 (BSA10148484) from the drainage ditch located directly behind the Automatic Electroplating Building #22 (SED 4 as labeled on attached map). The sample was taken within the drainage ditch at a depth of 0 to 6 inches. The drainage ditch is approximately 1.5 feet below existing grade. The sample was described as black, grainy sediment intermixed with small pebbles. A photograph is taken of the sample location.

1120-1125:
Edward Gaven and Robert Raisch collect Dioxin 2 (BSA10148493) from between the Automatic Electroplating (Building #22) and the former Arkansas Chemical Company buildings (Soil Diox 2 as labeled on map). The sample was obtained by scraping soil from between cobblestones in the alleyway between the two buildings. The sample was described as loose sandy material. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1130-1135:
Robert Raisch and Edward Gaven obtain Dioxin 1 (BSA10148492) from near the dumpster on the Sun Chemical site (Soil Diox 1 as labeled on attached map). The sample was described as brown to black silty clay with some purple coloration. The sample was collected at a depth of 0 to 6 inches. A photograph was taken of the sample location.

1205-1215:
Sediment 5 (BSA10148485) was collected by Clare Sullivan and Christina Holstrom from within the drainage ditch located between buildings currently occupied by RFE and Conus Chemical (SED 5 as labeled on map). The sample was collected at a depth of 0 to 6 inches and was described as grainy soil

with tan streaks. Standing water present in the drainage ditch was noted to have an oily sheen. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1210-1215:
Edward Gaven and Robert Raish collect Surface Water 4 (BSA10148491) from a drainageway located between Automatic Electroplating (building #23) and CWC Industries (building #18-SW 4 as labeled on map). An active flow was noted in the drainageway during the site inspection. The sample was described as having oily sheen on the surface and possessing an undetermined odor. A photograph was taken of the sample location. This sample location was changed from that proposed in the sampling plan since there was no water in the proposed location at the time of the site inspection.

1215-1230:
Clare Sullivan and Christina Holstrom collect Soil 7 (BSA10148472) from just outside the demolished section of building formerly occupied by the Honig Chemical Company (Soil 7 as labeled on map). The sample was obtained at a depth of 0 to 6 inches and was described as dark brown sandy soil with yellow flecks. The yellow flecks somewhat resembled hexavalent chromium. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1215-1230:
Richard Gervasio and David Van Eck collect groundwater samples from Monitor Wells 1 and 2 located on the former Hummel-Lanolin property. The wells were installed within 50 feet of one another near Hummel-Lanolins' former underground tank. These wells are also considered downgradient of the remainder of the 185 Foundry Street site.

Monitor Well 1 was hand bailed to dryness prior to sample collection. It was estimated 1 gallon of water was purged from the well. Due to the extremely slow recovery of the well only two 40 ml volatile organic bottles and one half of the one liter metals container were able to be filled. The sample was described as black water.

Monitor Well 2 was also hand bailed to dryness prior to sample collection. Here again, the well did not completely recover and only the two 40 ml volatile organic bottles and one half of the one liter metals container could be filled. The sample was described as black water. Both wells were photographed.

1230-1240:
Edward Gaven and Robert Raisch obtain Surface Water 2 (BSA10148489) from the drainage ditch located near Automatic Electroplating (Building #23), Fleet Autoelectric (Building #29), and CWC Industries (Building #18). This sample cooresponds to SW2 as labeled on the attached map. The sample was described as cloudy, standing water and was collected directly within the sample bottles. The sample location was photographed by NJDEP/DHWM/BPA personnel.

1230-1245:
Soil 15 (BSA10148480) is collected by Richard Gervasio and Robert Beretsky across Roanoke Avenue, north of Conus Chemical (Soil 15 on attached map). The sample was described as loose brown dirt and was collected at a depth of 0 to 6 inches. This sample is considered the background soil sample. A photograph is taken of the sample location.

ATTACHMENT H

1240-1245:
Clare Sullivan and Christina Holstrom collect Soil 6 (BSA10148471) from behind the former Arkansas Chemical Company buildings (Soil 6 on map). The sample is taken at a depth of 0 to 6 inches and is described as black to dark brown soil. A photograph was taken of the sample location.

1245-1300:
Richard Gervasio and Robert Beretsky decon sample team personnel.

1300-1330:
Clare Sullivan and Robert Beretsky complete chain of custody and sample analysis request forms.

1345-1400:
Samples are placed in appropriate shuttles and the shuttles sealed for shipment back to Weston Laboratories.

1400:
Clare Sullivan, Robert Raisch, Christina Holstrom, Edward Gaven, David Van Eck and Frank Sorce depart from site.

1415:
Richard Gervasio and Robert Beretsky depart from site.

1440:
Richard Gervasio and Robert Beretsky deliver sealed shuttles to the Federal Express Office. Four shuttles to be shipped to Weston Labs in Lionville, Pa. are assigned Airbill #289222500.

CONCLUSIONS:
All samples were collected in accordance with methedologies outlined in the NJDEP Sampling Procedures Manual.

Photographs taken during the site inspection are in the custody of the NJDEP/Division of Hazardous Waste Management/Bureau of Planning and Assessment.

RECOMMENDATIONS:
Due to the potential for dioxin contamination within the buildings formerly occupied by the Hummel Chemical Company and the Diamond Shamrock Corporation, additional dioxin sampling inside the buildings is necessary. These samples may include wipe, chip, and possibly air samples at strategic locations such as old exhaust fans, cracks/seams in floors, window panes, trusses, etc.

Additional sampling of the monitor wells is also recommended. Analysis of the samples should be for parameters not obtained during the October 14, 1988 site inspection. These parameters include the following HSL sample fractions; Acid Extractables/Base Neutrals, Pesticides/PCBs, and Metals (if sample collected on October 14, 1988 can not be analyzed). It is highly recommended petroleum hydrocarbon analysis also be performed on the groundwater samples.

Further recommendations will be based on review of analytical data generated from the October 14, 1988 site inspection.

ATTACHMENT H

ATTACHMENT H

WESTON SAMPLES

SAMPLE #	SHUTTLE SEAL # UPON ARRIVAL AT BPA OFFICE	SHUTTLE RESEAL # FOR SHIPMENT BACK TO WESTON LABS	LOCATION	ANALYSIS	COST EACH
BSA10148473	SEE NOTE *	BSA10148-3	SOIL 8 ON MAP-NEAR DRUM STORAGE AT CONUS CHEMICAL.	HSL + 30	$1725.00
BSA10148474	SEE NOTE *	BSA10148-3	SOIL 9 ON MAP-NEAR DRUM STORAGE GATE AT CONUS CHEMICAL.	HSL + 30	$1725.00
BSA10148475	SEE NOTE *	BSA10148-3	SOIL 10 ON MAP-SOUTHEAST CORNER OF AVON DRUM.	HSL + 30	$1725.00
BSA10148476	SEE NOTE *	BSA10148-3	SOIL 11 ON MAP-WESTERN BORDER OF AVON DRUM, NEAR FENCELINE OF FORMER HUMMEL-LANOLIN PROPERTY.	HSL + 30	$1725.00
BSA10148477	SEE NOTE *	BSA10148-3	SOIL 12 ON MAP-AVON DRUM CO. NEAR FENCE BORDERING ROANOKE AVE.	HSL + 30	$1725.00
BSA10148478	SEE NOTE *	BSA10148-3	SOIL 13 ON MAP- AVON DRUM CO. NEAR FENCE BORDERING ROANOKE AVE., WEST OF SOIL 12 LOCATION.	HSL + 30	$1725.00

ATTACHMENT 4

WESTON SAMPLES

SAMPLE #	SHUTTLE SEAL # UPON ARRIVAL AT BPA OFFICE	SHUTTLE RESEAL # FOR SHIPMENT BACK TO WESTON LABS	LOCATION	ANALYSIS	COST EACH
BSA10148479	SEE NOTE *	BSA10148-3	SOIL 14 ON MAP- AVON DRUM CO. BETWEEN ROWS OF STACKED DRUMS.	HSL + 30	$1725.00
BSA10148480	SEE NOTE *	BSA10148-3	SOIL 15 ON MAP-ACROSS ROANOKE AVE., NORTH OF CONUS CHEMICAL CO.- BACKGROUND.	HSL + 30	$1725.00
BSA10148481	SEE NOTE *	BSA10148-3	SED 1 ON MAP-DRAINAGE DITCH BETWEEN SUN CHEMICAL AND FORMER ARKANSAS CHEM. CO. BUILDINGS.	HSL + 30	$1725.00
BSA10148482	SEE NOTE *	BSA10148-3	SED 2 ON MAP-DRAINAGE FROM SUN CHEMICAL SITE REPORTEDLY LEADING TO PVSC.	HSL + 30	$1725.00
BSA10148483	SEE NOTE *	BSA10148-3	SED 3 ON MAP-DRAINAGE DITCH BETWEEN AUTOMATIC ELECTROPLATING & FORMER ARKANSAS CHEMICAL CO. BUILDINGS.	HSL + 30	$1725.00
BSA10148484	SEE NOTE *	BSA10148-3	SED 4 ON MAP-DRAINAGE DITCH BEHIND AUTOMATIC ELECTROPLATING.	HSL + 30	$1725.00

9460303 09

ATTACHMENT #1

WESTON SAMPLES

SAMPLE #	SHUTTLE SEAL # UPON ARRIVAL AT BPA OFFICE	SHUTTLE RESEAL # FOR SHIPMENT BACK TO WESTON LABS	LOCATION	ANALYSIS	COST EACH
BSA10148485	SEE NOTE *	BSA10148-3	SED 5 ON MAP-NORTHERN PORTION OF SITE IN DRAINAGE DITCH BETWEEN RFE AND CONUS CHEM. CO.	HSL + 30	$1725.00
BSA10148486	SEE NOTE *	BSA10148-1	MW 1	VOA + METALS	$700.00
BSA10148487	SEE NOTE *	BSA10148-1	MW 2	VOA + METALS	$700.00
BSA10148488	SEE NOTE *	BSA10148-1	SW 1 ON MAP-SAME AS SED 1 LOCATION.	HSL + 30	$1600.00
BSA10148488 MS	SEE NOTE *	BSA10148-1	SAME AS SW 1	HSL + 30	NO CHARGE
BSA10148488 MSD	SEE NOTE *	BSA10148-1	SAME AS SW 1	HSL + 30	NO CHARGE
BSA10148489	SEE NOTE *	BSA10148-2	SW 2 ON MAP-COMMON ALLEYWAY BETWEEN AUTOMATIC ELECTRO-PLATING, CWC AND FLEET AUTOELECTRIC.	HSL + 30	$1600.00
BSA10148490	SEE NOTE *	BSA10148-1	SW 3 ON MAP-SAME AS SED 4 LOCATION.	HSL + 30	$1600.00
BSA10148491	SEE NOTE *	BSA10148-2	SW 4 ON MAP-DRAINAGE WAY BETWEEN AUTOMATIC ELECTROPLATING & CWC.	HSL + 30	$1600.00

ATTACHMENT 11

WESTON SAMPLES

SAMPLE #	SHUTTLE SEAL # UPON ARRIVAL AT BPA OFFICE	SHUTTLE RESEAL # FOR SHIPMENT BACK TO WESTON LABS	LOCATION	ANALYSIS	COST EACH
BSA10148492	SEE NOTE *	BSA10148-4	SOIL DIOX 1 ON MAP-NEAR DUMPSTER AT SUN CHEMICAL.	2,3,7,8 TCDD	$ 450.00
BSA10148493	SEE NOTE *	BSA10148-4	SOIL DIOX 2 ON MAP-FROM COBBLES BETWEEN AUTOMATIC ELECTRO-PLATING AND FORMER ARKANSAS CHEMICAL CO. BUILDINGS.	2,3,7,8 TCDD	$ 450.00
BSA10148494	SEE NOTE *	BSA10148-4	SOIL DIOX 3 ON MAP-APPROXIMATE CENTER OF AVON DRUM SITE.	2,3,7,8 TCDD	$ 450.00
BSA10148495	SEE NOTE *	BSA10148-4	SOIL DIOX 4 ON MAP-BEHIND FORMER ARKANSAS CHEMICAL CO. WAREHOUSE.	2,3,7,8 TCDD	$ 450.00
SA10148496		BSA10148-4	DIOXIN 5-PROFICIENCY SAMPLE - # UNLV-QASL TCDD STD H23BL37Q1.	2,3,7,8 TCDD	$ 450.00
BSA10148497	SEE NOTE *	BSA10148-1	FIELD BLANK-TROWEL	HSL + 30	$1600.00
BSA10148498	SEE NOTE *	BSA10148-1	TRIP BLANK	VOA	$ 400.00
				TOTAL	$47350.00

946030311

* Upon arrival to the BPA office, it was noted that the sample bottles were divided among four shuttles, however the bottles were not organized within each shuttle according to complete HSL sample sets (i.e. Soil Samples consisted of two 40 ml VOA bottles and one 500 ml jar for remaining fractions; water samples consisted of two 40 ml VOA, one 1L plastic CN-container, one 1L plastic metals container, and three 1L amber glass containers for the AE/BN and pesticides/PCBs fractions).

After sample collection, the bottles were rearranged for shipment back to Weston so that entire sample sets would remain together.

The contents of shuttles upon arrival to the BPA office and for shipment back to the lab are as follows:

Shuttle contents upon arrival to BPA

SHUTTLE SEAL # (Weston Seal)	CONTENT
1	20 X 1L amber bottles
2	27 X 500 ml jars 20 X 1L plastic with preservatives (NAOH for CN containers and HNO_3 for metals containers).
3	20 X 40 ml bottles with HCl. 48 X 40 ml bottles without preservatives. 9 X 1L amber 4 X 40 ml VOA with lab water.
4	6 X 1L amber bottles with lab water. 4 X 12 plastic containers with lab water. 2 X 40 ml VOA with lab water.

Shuttle Contents for Shipment back to Weston

SHUTTLE SEAL # (BPA Seal)	CONTENTS
BSA10148-1	16 X 40 ml VOA 15 X 1L amber 7 X 1L plastic-metals 5 X 1L plastic-cyanide These contents comprised sample #'s: BSA10148486 BSA10148487 BSA10148488 BSA10148488MS

946030312

ATTACHMENT H

	BSA10148488MSD BSA10148490 BSA10148498 BSA10148499
BSA10148-2	6 X 40 ml VOA 2 X 1L plastic-metals 2 X 1L plastic-cyanides 6 X 1L amber Contents comprised sample #'s: BSA10148489 & BSA10148491
BSA10148-3	22 X 500 ml jars 44 X 40 ml VOA Contents comprised sample #'s: BSA10148466 through BSA10148485 including BSA10148467MS and BSA10148467MSD
BSA10148-4	5 X 500 ml jars Contents comprised sample #'s: BSA10148492 through BSA10148496

946030313

ATTACHMENT H

946030314

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Bernard E. Schoen
Hummel Croton, Inc.
10 Harmich Road
South Plainfield, NJ
07080-4804

4a. Article Number

4b. Service Type
☐ Registered ☐ Insured
☐ Certified ☐ COD
☒ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery
12-17-93

5. Signature (Addressee)
Gail D Mulligan

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 ★U.S. GPO: 1992—323-402 DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service

FTA000162

946030315

EXPRESS MAIL
RETURN RECEIPT REQUESTED

Mr. Bernard E. Schoen, President
Hummel Croton Inc.
10 Harmich Road
South Plainfield, NJ 07080-4804

Re: Request for Information Under 42 U.S.C. §9601 et seq.
Diamond Alkali Superfund Site, Passaic River Study Area
Foundry Street Complex

Dear Mr. Schoen:

The United States Environmental Protection Agency ("EPA") is investigating the presence of hazardous substances in the sediments of the Passaic River. EPA is charged with responding to the release and/or threatened release of hazardous substances, pollutants and contaminants into the environment and with enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §9601 et seq.

In this "Request for Information", EPA requests information concerning the nature and quantity of certain materials (hazardous substances and hazardous waste, as those terms are defined at Section 101(14) of CERCLA, 42 U.S.C. §9601(14), and Section 1004 of RCRA, 42 U.S.C. §6903 respectively) which may have been generated, treated, stored, or disposed at Foundry Street Complex in Newark, New Jersey. EPA makes its request pursuant to Section 104 of CERCLA, 42 U.S.C. §9604.

Pursuant to this statutory provisions, EPA hereby requires that you provide the information requested in Attachment A of this letter, and include, as required, the "Certification of Answers to Request for Information," with your notarized signature.

In preparing your response to this "Request for Information," please follow the instructions provided in Attachment B.

[illegible] response to this "Request for Information" should be [illegible] (30) calendar days of

SYMBOL --->	NNJSII	NNJSII	ORC	NJSBII	NJP	ERRD		
SURNAME -->	RICHMAN	DEFORTE	NICK	BAR[illegible]	FRISCO	PAVLOU		
DATE ----->	12/1	12/10	12/9		12/15			

FTA000163

946030316

Mr. Lance R. Richman, P.G.
Emergency and Remedial Response Division
U.S. Environmental Protection Agency
26 Federal Plaza, Room 13-100
New York, New York 10278

with a copy to Ms. Patricia C. Hick, Assistant Regional Counsel, Office of Regional Counsel, Room 310 at the same address.

Your failure to respond to this "Request for Information" within the time specified above may subject you to an enforcement action under Section 104(e)(5) of CERCLA, 42 U.S.C. §9604(e)(5). An enforcement action may include the assessment of penalties of up to $25,000 for each day of continued noncompliance.

Be advised that you are under a continuing obligation to supplement your response if information not known or not available to you as of the date of submission of your response should later become known or available. If at any time in the future you obtain or become aware of additional information and/or find that any portion of the submitted information is false, misleading or misrepresents the truth, you must promptly notify EPA. If any part of your response is found to be untrue, you may be subject to criminal prosecution.

If desired, you may assert a business confidentiality claim covering all or part of the information requested by this letter. The claim must be supported by each of the four factors specified in Section 104(e)(7)(E) of CERCLA, 42 U.S.C. §9604(e)(7)(E), and must be asserted at the time of submission, by placing on (or attaching to) the information a cover sheet, stamped or typed legend, or other suitable form of notice employing language such as "trade secret", or "proprietary", or "company confidential". Information covered by such a claim will be disclosed by EPA only to the extent and by means of procedures set forth in Title 40 C.F.R. Part 2, Subpart B. If no such claim accompanies the information when it is received by EPA, it may be made available to the public by EPA without further notice to you.

If you have any questions concerning this "Request for Information," please contact Mr. Richman, of my staff, at (212) 264-6695 or Ms. Hick at (212) 264-2642. Inquiries from attorneys should be directed to Ms. Hick. Your cooperation is appreciated.

Sincerely yours,

George Pavlou, Acting Director
Emergency and Remedial Response Division

FTA000164

946030317

Enclosures

FTA000165

946030318

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of _____

County of _____:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

_____
NAME (print or type)

_____
TITLE (print or type)

_____
SIGNATURE

Sworn to before me this
day of , 19___

_____
Notary Public

FTA000166

946030319

ATTACHMENT A

REQUEST FOR INFORMATION

Background

The United States Environmental Protection Agency ("EPA") is investigating the release of hazardous substances into the Passaic River. EPA has information indicating that hazardous substances from your facility may have discharged onto the ground at the Foundry Street Complex and in proximity to the Passaic River.

Provide the information requested below, including copies of all available documentation that supports your answers.

1) During what years did your company operate at the facility designated above?

2) Does your company have a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq. If your company has an EPA Identification Number, state it in your answer to this question.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

	Yes	No
2,4-dinitrophenoxyethanol	___	___
3,5-dinitrosalicyclic acid	___	___
hexachlorobenzene	___	___
picric acid	___	___
2,3,7,8 tetrachlorodibenzo-p-dioxin or other dioxin compounds	___	___

4)a) Provide a description of the manufacturing processes for which all hazardous substances, including, but not limited to, the substances listed in response to item (3), were a product or by-product.

b) During what parts of the manufacturing processes identified in the response to items (4)(a), above, were hazardous substances, including, but not limited to, the substances listed in response to item (3), generated? Describe the chemical composition of these hazardous substances. For each process, what amount of hazardous substances was generated per volume of finished product? Were these hazardous wastes combined with wastes from other processes? If so, wastes from what processes?

5) Describe the methods of collection, storage, treatment, and disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3). Include information on the following:

FTA000167

946030320

a) If hazardous substances were taken off-site by a hauler or transporter, provide the names and addresses of the waste haulers and the disposal site locations.

b) Describe <u>all</u> storage practices employed by your company with respect to all hazardous substances from the time operations commenced until the present. Include all on-site and off-site storage activities.

6)a) For process waste waters generated at the facility which contained any hazardous substances, including, but not limited to, the substances listed in response to item (3), did the waste stream connect to a sanitary sewer and if so, during what years? Were they treated before being discharged to the sanitary sewer and if so, how? If the waste waters were not discharged to the sanitary sewer, where were they disposed and during what years?

b) For floor drains or other disposal drains at the facility, did the waste stream connect to a sanitary sewer and if so, during what years? Were they treated before being discharged to the sanitary sewer and if so, how? If the floor drains or other disposal drains at the facility were not discharged to the sanitary sewer, where did they discharge and during what years?

c) Did any storm sewers, catch basins or lagoons exist at any time at the facility and if so, during what years? If catch basins or lagoons existed, were they lined or un-lined? Where was the discharge from any of these structures released and during what years? Was this discharge treated before its release and if so, how and during what years?

d) Please supply diagrams of any waste water collection or disposal systems on the property.

7)a) For each hazardous substances, including, but not limited to, the substances listed in response to item (3), identified in the responses to item (4), above, provide the total amount generated during the operation of the facility on an annual basis.

b) Was any hazardous substances, including, but not limited to, the substances listed in response to item (3), identified in the responses to item (4), above, disposed of in the Passaic River or discharged to the Passaic River? If yes, estimate the amount of material discharged to or disposed of in the Passaic River and the frequency with which this discharge or disposal occurred.

8) Please identify any leaks or spills that occurred at the facility during which or as a result of which any hazardous substances, including, but not limited to, the substances listed in response to item (3), was released on the property of the facility or discharged to the Passaic River. Provide any documents or information relating to these incidents.

FTA000168

946030321

9) Provide the date of any leaks or spills of any hazardous substances, including, but not limited to, the substances listed in response to item (3), on the property or into the waste water discharge system at the facility. Provide details of the ultimate disposal of any contaminated materials.

10) Provide a copy of each document which relates to the generation, purchase, use, handling, hauling, and/or disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3). If you are unable to provide a copy of any document, then identify the document by describing the nature of the document (e.g. letter, file memo, invoice, inventory form, billing record, hazardous waste manifest, etc.). Describe the relevant information contained therein. Identify by name and job title the person who prepared the document. If the document is not readily available, state where it is stored, maintained, or why it is unavailable.

11) Provide all other documents pertaining to the results of any analyses of ground water, surface water, ambient air, and any other environmental media performed at the facility.

12) Provide the names of all parties who owned or operated the facility during the period from 1940 through the present. Describe the relationship, if any, of each of those parties with your company.

13) Answer the following questions regarding your business or company. In identifying a company that no longer exists, provide all the information requested, except for the agent for service of process. If your company did business under more than one name, list each name.

a) State the legal name of your company.

b) State the name and address of the president or the chairman of the board, or other presiding officers of your company.

c) Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New Jersey.

d) Provide a copy of your company's "Certificate of Incorporation" and any amendments thereto.

e) If your company is a subsidiary or affiliate of another company, or has subsidiaries, or is a successor to another company, identify these related companies. For each related company, describe the relationship to your company; indicate the date and manner in which each relationship was established.

FTA000169

946030322

f) Identify any predecessor organization and the dates that such company became part of your company.

g) Identify any other companies which were acquired by your company or merged with your company.

h) Identify the date of incorporation, state of incorporation, agents for service of process in the state of incorporation and New Jersey, and nature of business activity, for each company identified the responses to items (11)(e), (f), and (g), above.

i) Identify all previous owners or parent companies, address, and the date change in ownership occurred.

14) Provide the name, address, telephone number, title and occupation of the person(s) answering this "Request for Information" and state whether such person(s) has personal knowledge of the responses. In addition, identify each person who assisted in any way in responding to the "Request for Information" and specify the question to which each person assisted in responding.

FTA000170

946030323

ATTACHMENT B

INSTRUCTIONS FOR RESPONDING TO REQUEST FOR INFORMATION

1. A complete separate response must be made to each individual question in this "Request for Information".

2. Precede each answer with the number of the question to which it is addressed.

3. In preparing your response to each question, consult with all current or former employees and agents of your company who may be familiar with the matter to which the question pertains.

4. Interpret "and" as well as "or" to include within the scope of the question as much information as possible. If two interpretations of a question are possible, use the one that provides more information.

5. If you are unable to give a detailed and complete answer or to provide any of the information or documents requested, indicate the reasons for your inability to do so.

6. If you have reason to believe that an individual other than one employed by your company may be able to provide additional details or documentation in response to any question, state that person's name, last known address, phone number and the reasons for your belief.

7. For each document produced in response to this "Request for Information", indicate on the document, or in some other reasonable manner, the number of the question to which it applies.

8. If anything is deleted from a document produced in response to this "Request for Information", state the reason for, and the subject matter of, the deletion.

9. Provide all documents that relate to each question. If a document is requested but is not available, state the reason for its unavailability. In addition, to the best of your ability, identify any such document by author, date, subject matter, number of pages, and all recipients and their addresses.

10. As used herein "relate to" or "relating to" means constituting, defining, containing, embodying, reflecting, identifying, stating, referring to, dealing with, or in any way pertaining to. "Document" as used herein means any recording of information in tangible form, including memoranda, handwritten notes, invoices, checks, manifests, tape recordings, computer databases, or any tangible or physical objects however produced or reproduced upon which words or other information are affixed or

FTA000171

946030324

recorded or from which by appropriate transcription written matter or a tangible thing may be produced.

FTA000172

946030325

11. Whenever in this "Request for Information" there is a request to identify a person or an entity other than a person, state the person or entity's full name, last known employment, present or last known home address, and telephone number.

12. As used herein, the term "facility," "hazardous substance," "person," and "release" shall have the meaning set forth in Section 101(9), (14), (21) and (22) of CERCLA, 42 U.S.C. §9601(9), (14), (21), and (22), respectively.

13. In answering these questions, every source of information to which you have access should be consulted, regardless of whether the source is in your immediate possession or control. All documents or other information, including records of all types of manufacturing, treatment, transportation or disposal operations, in your possession or in the possession of the Corporation should be consulted. If you do not have access to certain information and/or documents, state the nature of this information and/or documents, and indicate in whose possession they can be found.

FTA000173

946030326

HUMMEL CROTON INC.
10 HARMICH ROAD
SOUTH PLAINFIELD, NJ 07080-4899 USA
Telephone: 908-754-1800
Fax: 908-754-1815

JANUARY 25, 1994

MR. LANCE R. RICHMAN, P.G.
EMERGENCY AND REMEDIAL RESPONSE DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY
26 FEDERAL PLAZA, ROOM 13-100
NEW YORK, NY 10278

DEAR MR. RICHMAN,

Enclosed please find the response of Hummel Croton Inc. to the USEPA's Request for information regarding the Diamond Alkali Superfund Site, Passaic River Study Area, Foundry Street Complex.

Very truly yours,

Bernard F. Schoen, Sr.,President
Hummel Croton Inc.

cc: Michael Phillips, Esq.

FTA000174

946030328

RESPONSE OF HUMMEL CROTON, INC.
TO USEPA REQUEST FOR INFORMATION
REGARDING DIAMOND ALKALI SUPERFUND SITE,
PASSAIC RIVER STUDY AREA
FOUNDRY STREET COMPLEX

1. Respondent Hummel Croton, Inc. never operated a facility at the Foundry Street Complex. In or about May 1989, Hummel Chemical Company merged into Croton Corporation to form Hummel Croton, Inc. ("Hummel Croton"). Upon information and belief, Hummel Chemical Company moved to the present location of Hummel Croton's facility in South Plainfield, New Jersey in or about April 1968.

   Upon information and belief, Hummel Chemical Company conducted business for a time in the early 1960s at 185 Foundry Street, Newark, New Jersey. Hummel Croton does not possess records which would precisely indicate the years Hummel Chemical Company operated at Foundry Street.

2. Not applicable.

3. No, to all five substances identified.

4. See 1, above. Hummel Croton does not possess records responsive to either part of this question.

5. See 1, above. Hummel Croton does not possess records responsive to either part of this question.

6. See 1, above. Hummel Croton does not possess records responsive to any part of this question.

7. See 1, above. Hummel Croton does not possess records responsive to either part of this question.

8. See 1, above. Hummel Croton does not possess records responsive to this question.

9. See 1, above. Hummel Croton does not possess records responsive to this question.

10. See 1, above. Hummel Croton does not possess records responsive to this question.

11. See 1, above. Hummel Croton does not possess records responsive to this question.

12. See 1, above. Hummel Croton does not possess records responsive to this question.

13. a) Hummel Croton, Inc.

FTA000175

b) Bernard F. Schoen, Sr., President
c/o Hummel Croton, Inc.
10 Harmich Road
South Plainfield, NJ 07080

c) New Jersey. Bernard F. Schoen, Sr.

d) Copy of Certificate of Incorporation attached.

e) Successor to Hummel Chemical Company, as of May 1989.

f) Not applicable.

g) Not applicable.

h) Hummel Chemical Company; incorporated in New York; Bernard F. Schoen, Sr., agent for service of process; Upon information and belief, Hummel Chemical Company was in the chemical business supplying various chemicals to the pyrotechnic industry.

i) Hummel Croton is aware that James M. Vreeland, River Road, Far Hills, New Jersey, was president of Hummel Chemical Company during the time Hummel Chemical operated at the Foundry Street location.

14. Bernard F. Schoen, Sr., President
c/o Hummel Croton, Inc.
10 Harmich Road
South Plainfield, New Jersey
(908) 754-1800
[All Questions]

Mark Dugan, Vice President
c/o Hummel Croton, Inc.
10 Harmich Road
South Plainfield, New Jersey
(908) 754-1800
[All Questions]

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of NEW JERSEY

County of MIDDLESEX :

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

B.F. SCHOEN SR.
NAME (print or type)

PRESIDENT
TITLE (print or type)

SIGNATURE

Sworn to before me this 25TH
day of JANUARY , 1994

Urmi Kadia
Notary Public

URMI KADIA
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES DECEMBER 15, 1997

FTA000177

946030331

0905354251

3238N 0905354251

1057-0556-5

1/28/94

Fredi Pearlmutter, Esq. 908-273-1212

KERBY COOPER ENGLISH & ETAL

480 MORRIS AVE

SUMMIT NJ 07901

1293-11452

Lance Richman, P.G.
EMergency & Remedial Response
USEPA
26 Federal Plaza Rm 13-100
New York, NY 10278

10278

13

13

REVISION DATE 12/92

158

0905354251

HUMMEL CROTON INC.
10 Harmich Rd.
S. Plainfield, N.J. 07080-4899

13/102

MR. LANCE R. RICHMAN, P.G.
EMERGENCY & REMEDIAL RESPONSE DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY
26 FEDERAL PLAZA, ROOM 13-100
NEW YORK, N.Y. 10278

Fold at line over top of envelope to the right of the return address

CERTIFIED

P 386 449 879

MAIL

FTA000178

946030332

Document Control No.: 04200-016-AEQB

FINAL
SITE INSPECTION PRIORITIZATION REPORT
HUMMEL CHEMICAL
NEWARK, NEW JERSEY

CERCLIS ID No.: NJD002174712

2 September 1994

Work Order No.: 04200-016-081-0098

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Prepared by:

ROY F. WESTON, INC.
Raritan Plaza I
4th Floor
Raritan Center
Edison, New Jersey 08837

FTA000179

946030334

WESTON

Document Control No.: 4200-16-AEQB

FINAL
SITE INSPECTION PRIORITIZATION REPORT
HUMMEL CHEMICAL
NEWARK, NEW JERSEY

CERCLIS ID No.: NJD002174712
Work Assignment No.: 016-2JZZ

Submitted by:

ROY F. WESTON, INC.
Raritan Plaza I - 4th Floor
Raritan Center
Edison, New Jersey 08837

WESTON/ARCS - Reviewed and Approved

Dennis J. Foerter, CHMM — Date: 8/23/94
Task Manager

Thomas A. Varner — Date: 8/24/94
Site Assessment Manager

Dennis J. Foerter, CHMM — Date: 8/24/94
Quality Assurance Representative

Martin J. O'Neill, CIH — Date: 9/1/94
Project Manager

nt\SIPs\Hummel.Rpt

FTA000180

946030335

GENERAL DESCRIPTION AND SITE HISTORY

The Hummel Chemical site (CERCLIS ID No. NJD002174712) is located within a small industrial park (the Foundry Street Complex) located at 185 Foundry Street, in a heavily industrialized section of Newark, Essex County, New Jersey. Hummel Chemical Company (Hummel) formerly operated a chemical warehousing/distribution center at the site from the mid-1950s to the mid-1960s. Available background information indicates that Hummel leased the property from Norpak/Kem Realty Company during the mid-1960s. Subsequently, Hummel moved its operations to South Plainfield, New Jersey. The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) lists Hummel-Lanolin Co. as Hummel's alias. There is a reported former Hummel-Lanolin facility located adjacent to the Foundry Street Complex; however, a site inspection conducted by the New Jersey Department of Environmental Protection and Energy Division of Hazardous Waste Management Bureau of Planning and Assessment (NJDEPE/DHWM/BPA) states that Hummel-Lanolin is not related to Hummel Chemical Co. The NJDEPE/DHWM/BPA also refers to the site as the 185 Foundry Street site (Ref. Nos. 1; 2, pp. 1, 2, 16).

The Foundry Street Complex is comprised of approximately 30 buildings which are in close proximity to one another. These buildings are separated by alleyways which were reported to receive surface runoff, and in some cases, direct discharges from some of the facilities. These alleyways are bisected by common storm drains. The complex is mostly covered with concrete or asphalt; however, there are several exposed surfaces. The exact building that Hummel occupied within the complex is unknown; however, Hummel officials speculated that it was Building No. 18 (Ref. No. 2, pp. 1, 87, 88). The exact location of Building No. 18 within the complex is also unknown.

The Foundry Street Complex has a long history of occupancy by a variety of chemical-related industries dating back to 1931. In the early 1930s H.A. Metz Laboratories manufactured unspecified drugs on site. In the 1950s, at least two companies (Chemical Industries Inc. and Arkansas Chemical Company) occupied the site. Operations at Chemical Industries Inc. are unknown. Background information indicates that they may have leased portions of the property to other chemical companies. Arkansas Chemical manufactured textile related chemicals in the extreme southern portion of the site until 1982. Other past operators within the Foundry Street Complex included Cellomar (a Division of Polychrome, Inc.), Diamond Shamrock, Essex Chemical Company, Coronet Chemical Company and Honig Chemical. Background information does not indicate the dates of operation for these companies nor the types of operations which occurred on site. Current operators at the Foundry Street Complex include Sun Chemical Company, Avon Drum Company, Fleet Auto Electric, Automatic Electroplating, Conus Chemical Company and CWC Industries (Ref. No. 2, pp. 1, 87).

During its occupancy on site, Hummel operated a warehouse/distribution center for the wholesaling of chemicals. Background information does not indicate the exact operations or storage/disposal methods utilized at the site; however, it does state that it is likely that operations included the reacting and mixing of chemicals, most of which were in the powdered form. The U.S. Environmental Protection Agency's publication "Dioxins" (EPA-600/2-80-197, November 1980) lists several Class III dioxin precursors as having been present at Hummel's Newark, New Jersey location. These compounds included 2,4-dinitrophenoxyethanol, 3,5-dinitrosalicylic acid, hexachlorobenzene and picric acid. It is unknown as to what other substances may have been present on site. Substances used at Hummel's South Plainfield facility, which are suspected to have also been used at the Newark facility, include the following:

2,4-dinitrophenol	hydrazine	rosin acid
hexachloroethane	lead nitrate	sodium hydroxide
lead dioxide	lead chromate	toluene
barium chromate	zinc oxide	resorcinol
ethylene glycol	arsenic	cupric oxide
isopropanol	ammonium oxalate	methanol
nitric acid	oxalic acid	acetone
antimony trisulfide	lead thiocyanate	

Background information indicates that Hummel did not possess any federal or state permits for groundwater or surface water discharges from their Newark facility. It is believed that poor housekeeping and operational practices may have occurred at the Newark facility as Hummel had a history of such practices at their South Plainfield facility (Ref. No. 2, pp. 1, 2, 57, 58, 62-67). For the purposes of this report, contaminated soil will be evaluated as the waste source for this site.

On 7 October 1988 a Presampling Assessment (PSA) of the Foundry Street Complex was conducted by the NJDEPE/DHWM/BPA. During this assessment, most of the exposed soil at the site appeared to be stained and saturated with chemicals. Pools of multicolored chemicals were observed as well as drums of hazardous substances. Several leaking drums were observed to be present in unsecured areas which lacked secondary containment (Ref. No. 2, pp. 87, 88).

On 14 October 1988, the NJDEPE/DHWM/BPA conducted a sampling site inspection of the Foundry Street Complex, during which 15 soil, 4 surface water, and 5 sediment samples were collected from various portions of the site. These samples were analyzed for Hazardous Substance List plus 30 peaks (HSL + 30) which included volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides and metals. In addition, five soil samples were collected for analysis of the dioxin isomer 2,3,7,8-tetrachlorodibenzo-1,4-dioxin (2,3,7,8-TCDD). Field quality assurance/quality control (QA/QC)

samples included one field blank and one trip blank. Background information indicates that all samples were analyzed by Weston Analytical Laboratories. The sampling strategy implemented by NJDEPE/BPA was to evaluate the entire complex as one site. This was due to the close proximity of the various industries to one another as well as the fact that the exact location of the Hummel facility was not known (Ref. No. 2, pp. 89-104).

Several VOCs, SVOCs, pesticides, PCBs, metals and cyanide were detected in sediment samples collected from drainage ditches between several of the facilities. VOCs, SVOCs, pesticides and cyanide were detected in surface water samples collected from these drainage ditches. VOCs, SVOCs, pesticides, PCBs and metals were also detected in surface soil collected at various locations throughout the site (Ref. No. 2, pp. 3, 5-13). The dioxin isomer was not detected in any of the soil samples collected (Ref. No. 2, p. 3). Original data sheets for samples collected during the site inspection were not available in background information.

In the Site Inspection report completed by the NJDEPE/DHWM/BPA (dated December 1989) the site was assigned a low priority. Although several organic and inorganic contaminants were detected on site, the NJDEPE/DHWM/BPA concluded that the on-site contamination could not be attributed to Hummel's operations. This was due to Hummel's absence from the complex since the mid-1960s. It was further recommended that a responsible party (RP) search be conducted to identify previous owners and tenants. Following the RP search, it was recommended that the case be transferred to the NJDEPE/Bureau of Case Management for the initiation of cleanup activities (Ref. No. 2, p. 4). Background information does not indicate that any remedial activities have taken place since the NJDEPE/DHWM/BPA site inspection.

EVALUATION OF EXISTING INFORMATION AND SITE INSPECTION REPORT

Existing information, primarily from the December 1989 NJDEPE/DHWM/BPA Site Inspection report and supporting documentation file, were used to conduct an evaluation of the site. Updated information was collected to determine whether any remedial action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) is warranted. Specifically, the groundwater migration pathway was updated to include wells within 4 miles of the site, and the surface water migration pathway was updated to include receptors within 15 miles downstream of the site. The air migration pathway was evaluated with respect to sensitive environments, including threatened and endangered species, and 1990 census population data.

FTA000183

HAZARD ASSESSMENT

Groundwater Migration Pathway - A release to groundwater from the Hummel site is not observed or suspected. During the NJDEPE/DHWM/BPA Site Inspection, benzene and several metals were detected in monitoring wells located at the Hummel-Lanolin facility (not related to Hummel Chemical); however, these contaminants cannot be attributed to Hummel as it has not operated at the facility since the mid-1960s and its exact former location within the Foundry Street Complex is unknown (Ref. No. 2, pp. 1, 2). Class III dioxin percusors are the only contaminants known to have been present at the Hummel facility. Groundwater samples were not analyzed for dioxins; however, analysis of five surface soil samples collected during the site inspection did not indicate the presence of the dioxin isomer 2,3,7,8-TCDD.

The aquifer of concern is the Passaic Formation of the Newark Supergroup. The Passaic Formation corresponds to the pre-basaltic part of the unit formerly known as the Brunswick Formation. Generally, the Passaic Formation consists predominantly of siltstone, sandstone and conglomerate. It underlies most of Essex County and has a calculated total thickness of 6,000 meters (19,680 feet) (Ref. Nos. 4; 5). The hydraulic conductivity of the water-bearing fracture zones is approximately 10^{-4} centimeters per second (cm/sec) (Ref. No. 6). In the southern part of the county, east of the Watchung Mountains (where the site is located), the aquifer of concern, consists locally of soft, red shale. Overlying bedrock in the area of the site are unconsolidated deposits of unstratified drift, known as till or ground moraine. Till consists of a heterogenous mixture of clay, silt, sand, gravel, cobbles and boulders. The thickness of these unconsolidated deposits, and therefore the depth to bedrock, is 65 feet near the site (Ref. Nos. 4; 5). The hydraulic conductivity of the till is approximately 10^{-6} to 10^{-8} cm/sec. Groundwater at the site has been encountered at 8.5 feet below ground surface (Ref. No. 2, p. 2). Local groundwater flow is expected to be to the east-southeast toward the Passaic River and Newark Bay (Ref. No. 3). Within 4 miles of the site, the Passaic Formation is only used for commercial and industrial supply. Groundwater is not used for potable purposes within 4 miles of the site (Ref. No. 8). There are no wellhead protection areas delineated in New Jersey (Ref. No. 7).

Surface Water Migration Pathway - A release to surface water is not observed, nor is one suspected. Analytical results from the October 1988 NJDEPE/DHWM/BPA site inspection indicate the presence of VOCs, SVOCs, PCBs, pesticides, metals and cyanide in drainage ditches between several of the facilities. As Hummel has not operated on site since the mid-1960s and its exact former location is unknown, it is difficult to attribute current site conditions to Hummel (Ref. No. 2, pp. 3, 5-13). Surface runoff from the site enters common storm drains within the Foundry Street Complex. These storm drains discharge to a combined sanitary/stormwater system. However, when these systems are in an overflow condition, stormwater is discharged to an overflow facility which discharges to the Passaic River approximately 0.5 mile east of the site (Ref. Nos. 2, p. 3; 9; 10). This location will be

evaluated as the probable point of entry (PPE) of contaminants from the Hummel Chemical site. From the PPE, the surface water migration pathway continues from the Passaic River south through the Newark Bay. At the southern portion of the Newark Bay, the surface water migration pathway splits, with the western branch flowing to the south, where the pathway ends in the Arthur Kill. The eastern branch of the 15-mile surface water migration pathway flows east through the Kill Van Kull and then south, where the pathway ends in the Narrows. (Ref. Nos. 9; 10).

There are no potable surface water intakes within 15 miles downstream of the PPE (Ref. No. 10). The entire in-water segment of the surface water migration pathway consists of coastal tidal waters (Ref. No. 9). In addition, all water bodies within the 15-mile surface water migration pathway are fisheries (Ref. No. 10). There are approximately 1.8 miles of estuarine wetland along the surface water migration pathway, with the nearest frontage existing approximately 1.9 mile downstream of the PPE (Ref. Nos. 9; 10). One State-listed endangered species [least tern (*Sterna antillarum*)] exists on or in the immediate vicinity of the associated waterways within the 15-mile surface water migration pathway. All surface waters within 15 miles of the PPE are designated for the maintenance and migration of fish populations (Ref. No. 11). The site is located within the boundary of the 100-year floodplain (Ref. No. 10).

Soil Exposure Pathway - Analytical results from the October 1988 Site Inspection conducted by the NJDEPE/DHWM/BPA indicate that there is on-site soil contamination. VOCs, SVOCs, pesticides, PCBs and metals were detected in on-site soils; however, these contaminants are difficult to attribute to Hummel, as the company has not operated on site since the mid-1960s and its exact former location is unknown. The dioxin isomer 2,3,7,8-TCDD, which may have been associated with Hummel's operations, was not detected in any of the five soil samples collected during the Site Inspection (Ref. No. 2, p. 3). The site is reported to be mostly covered with concrete or asphalt; however, there are many exposed surface which are stained from spills and leaks of chemicals (Ref. No. 2, p. 38). There are no residences, schools, or day care centers within 200 feet of the site (Ref. Nos. 2, p. 1; 3). There are no known terrestrial sensitive environments on areas of observed contamination within the Foundry Street Complex (Ref. Nos. 3; 11).

Air Migration Pathway - A release of contaminants to air is not observed or suspected. No sampling of the ambient air is known to have been conducted; therefore, there is no documented release of contaminants to air. During the PSA conducted by NJDEPE/DHWM/BPA in October 1988, soil gas readings on site ranged from 10 units to over 1,000 units on the organic vapor analyzer (OVA) and from background to over 600 units on the HNu photoionization detector. Ambient air readings of up to 10 units on the OVA and 40 units on the HNu were recorded during the PSA (Ref. No. 2, pp. 3, 88). However, Hummel has not operated on site since the mid-1960s. Background information does not indicate the number of workers within the

Foundry Street Complex; therefore, for the purposes of this report, the number of workers on site is estimated to be less than 100 based on the size of the complex. Approximately 420,330 people live within 4 miles of the site (0-¼ mile: 70; ¼-½ mile: 2,640; ½-1 mile: 8,410; 1-2 miles: 43,830; 2-3 miles: 133,560; 3-4 miles: 231,820) (Ref. No 1). Three State-listed endangered species habitats, one State- and federal-listed endangered species habitat, and State-listed threatened species habitat, and one habitat of a species which is federally proposed as either endangered or threatened exist between 0.5 and 4 miles of the site (Ref. No. 11). There are approximately 600 acres of wetlands within 4 miles of the site (0-¼ mile: 0; ¼-½ mile: 1; ½-1 mile: 0; 1-2 miles: 140; 2-3 miles: 250; 3-4 miles: 210) (Ref. No. 11).

SUMMARY

The existing information, data and additional information collected were sufficient to evaluate the site. This assessment indicated that the site poses a minimal threat to receptors in the vicinity of the site. Although there is a minimal amount of observed soil contamination on site, it is difficult to attribute any contamination to Hummel, as Hummel has not operated on site since the mid-1960s. In addition, the exact location of the former Hummel facility is unknown. Groundwater is not used for potable purposes within 4 miles of the site. Surface runoff within the Foundry Street Complex flows to common storm drains which discharge to a combined sanitary/storm water system, except in the case of overflow conditions, when storm water is diverted to an overflow facility which discharges to the Passaic River. The dilution potential of the Passaic River as well as that of the coastal tidal waters within the 15-mile surface water migration pathway minimizes the potential for a release to impact downstream receptors. Although there is observed soil contamination, there are no residences, schools, or day care centers within 200 feet of the site.

REFERENCES

1. U.S. EPA Superfund Program, Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), List-4: Site Alias Location Listing, p. 130; and List-8: Site/Event Listing, p. 129, June 6, 1994.

2. Site Inspection Report, Hummel Chemical, a.k.a 185 Foundry Street Site, prepared by the NJDEPE/DHWM/BPA, December 1989.

3. Four-Mile Vicinity Map for Hummel Chemical, based on U.S. Department of the Interior, Geological Survey Topographic Maps, 7.5 minute series "Elizabeth, NJ-NY" Quadrangle, 1967, photorevised 1981; "Jersey City, NJ-NY" Quadrangle, 1967; photorevised 1981; "Weehawken, NJ-NY" Quadrangle, 1967, photorevised 1981; and "Orange, NJ" Quadrangle, 1955, photorevised 1981.

4. Olsen, Paul E. The Latest Triassic and Early Jurassic Formations of the Newark Basin (Eastern North America, Newark Supergroup): Stratigraphy, Structure, and Correlation; New Jersey Academy of Science Bulletin, Volume 25, No. 2, 1980.

5. Nichols, William D. Groundwater Resources of Essex County, New Jersey. Special Report No. 28. State of New Jersey Department of Conservation and Economic Development, Division of Water Policy and Supply, 1968.

6. Federal Register, Environmental Protection Agency, 40 CFR Part 300, Hazard Ranking System; Final Rule, Volume 55, No. 241, December 14, 1990.

7. Phone Conversation Record: Conversation between Terry Romogna, NJDEPE, and Keith Bobrowski, Roy F. Weston, Inc. (WESTON), November 29, 1993.

8. Project Note from Dennis Foerter, WESTON, to Hummel Chemical file, Subject: Groundwater use within 4 miles of Hummel Chemical site, July 20, 1994; plus attachments.

9. Fifteen-Mile Surface Water Pathway Map for Hummel Chemical compiled from the following U.S. Department of the Interior, Fish and Wildlife Services, National Wetland Inventory Maps, 7.5 minute series, Quadrangles of "Elizabeth, NJ,-NY", 1976; "Jersey City, NJ-NY", 1976; "Weehawken, NJ-NY", 1976; "Orange, NJ", 1976; "Arthur Kill, NY-NJ", 1976; and "The Narrows, NY-NJ", 1976.

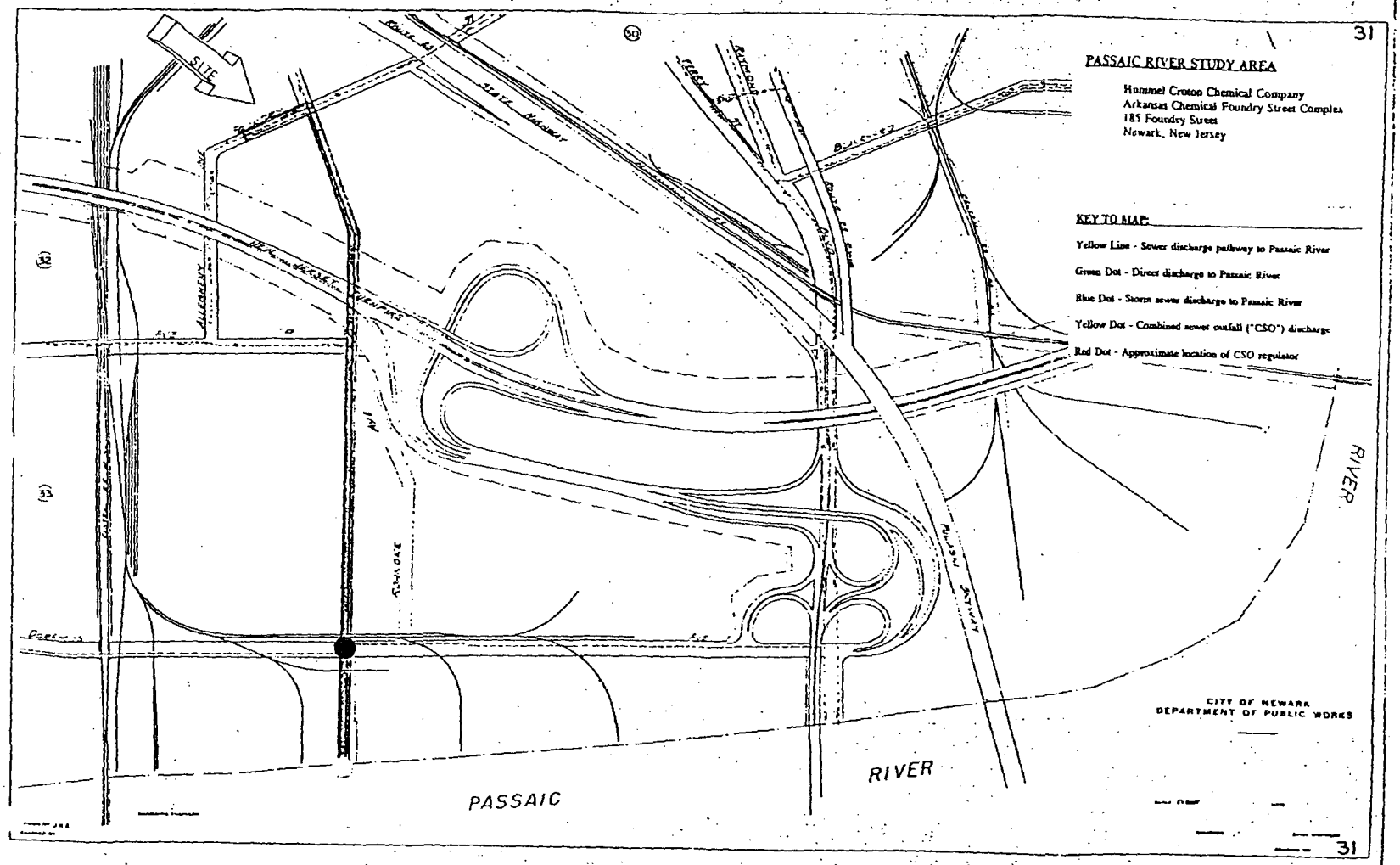
SEQUENCE: REG, ST, SITE NAME
REGION: 02

EPA IDENTIFICATION NUMBER	SITE NAME/ALIAS NAME STREET/ALIAS STREET CITY/ALIAS CITY COUNTY NAME	STATE/ALIAS STATE COUNTY CODE	ZIP CODE	ALIAS SEQ. #	NAME SOURCE	FEDERAL FACILITY FLAG	CONGRESSIONAL DISTRICT (S)
NJD991290701	HOWMET ALLOY ROY ST ROCKAWAY TWP MORRIS	NJ 027	07801		EPA	N	
	HOWMET TURBINE COMPONENTS CORP.			01			
NJD980530190	HOYT METAL CO 231 STATE ST PERTH AMBOY MIDDLESEX	NJ 023	08861		NUTIS	N	
NJD002151538	HUDSAR INC 373 SOUTH STREET NEWARK ESSEX	NJ 013	07105			N	
NJD002174712	HUMMEL CHEMICAL 185 FOUNDRY ST NEWARK ESSEX	NJ 013	07101		EPA	N	
	HUMMEL LANOLIN CO			01			
NJD044081222	HUMMEL CHEMICAL CO INC 10 HARMICH RD SOUTH PLAINFIELD MIDDLESEX	NJ 023	07080		EPA	N	
NJD986649770	HUMPHREYS PEST CONTROL RTE 561 BLACKHORSE PK FOLSOM BOROUGH ATLANTIC	NJ 001	08037			N	
NJD075484139	HYDROCARBON RESEARCH INC NEW YORK AND PURITAN AVENUES LAWRENCEVILLE MERCER	NJ 021	08648		EPA	N	
NJ4680019987	I.T. CORPORATION GSA RARITAN DEPOT EDISON MIDDLESEX	NJ 023	08817			Y	

SEQUENCE: REG, ST, SITE NAME
REGION: 02

946030343

946030344



849000001

946030345

FTA000189

Factiva Dow Jones & Reuters

EPA STARTS SUPERFUND ACTION AT CHEMICAL SITE IN NEWARK, N.J.
436 words
26 February 1990
PR Newswire
English
(Copyright (c) 1990, PR Newswire)

NEW YORK, Feb. 26 /PRNewswire/ -- The Environmental Protection Agency (EPA) has brought in personnel and equipment to start full cleanup activities at the **Conus Chemical** Corporation site, a former chemical repackaging firm on Roanoke Avenue in an industrial section of Newark, N.J.

The agency is using Superfund to defuse a potential public health threat posed by the site which contains leaking drums and incompatible chemicals, that are stored improperly. Superfund is the federal program to address sites that pose a chemical hazard to the public and/or the environment. EPA officials inspected the site at the state's request soon after a fire there on Jan. 31.

On Feb. 9, the New Jersey Department of Environmental Protection (DEP) requested that EPA use its Superfund authority to stabilize the site and remove any potential threats to public health and the environment as soon as possible. On Feb. 12, EPA established around- the-clock security at the site and initiated a preliminary inventory of the chemicals stored at the site.

EPA Regional Administrator Constantine Sidamon-Eristoff said, "Our restriction of public access has already stabilized the situation to a great extent. The plan of attack will be to investigate and deal first with the potentially shock-sensitive chemicals, which concern us most. We will arrange for their safe removal, transport and appropriate off- site disposal through the assistance of state, county and city officials. At the same time, EPA contractors will be separating incompatible chemicals by type and identifying leaking and deteriorating containers that need more secure packaging."

"We hope to complete this phase of the project in a matter of weeks. However, given the volume and variety, removing the other chemicals stored there will take some months," Eristoff said.

Site Background

Three fires have occurred in the past three years at the site, the last on Jan. 31. Substances known to be stored at the site include: perchloric acid, spent solvents, ether, methanol, oxidizers and petroleum products.

Last December, the property owner, the Norpak Corporation, evicted the operator of the facility, James Richards, for non-payment of rent. In response to a DEP notice of violation to the property owner and facility operator, on Feb. 1 Norpak agreed to perform the site cleanup under the direction of DEP.

On Feb. 16, Norpak and Richards agreed to give EPA complete access to conduct a Superfund cleanup. Before EPA's actions at the site, there was unlimited access to the premises by vandals and children.

CONTACT: Rich Cahill of the EPA, 212-264-2515/ 14:31 EST

Document prn0000020011115dm2q00bq7

© 2006 Dow Jones Reuters Business Interactive LLC (trading as Factiva). All rights reserved.

FNA000001

946030347

ACKNOWLEDGEMENT OF NOTIFICATION

OF HAZARDOUS WASTE ACTIVITY

11/05/90

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act *(RCRA)*. Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER ->	NJD986595916
FACILITY NAME ->	CONUS CHEMICAL CO SITE
MAILING ADDRESS ->	185 FOUNDRY ST NEWARK, NJ 07105
INSTALLATION ADDRESS ->	185 FOUNDRY ST NEWARK, NJ 07105

EPA Form 8700-12AB (4-80)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
26 FEDERAL PLAZA
NEW YORK, NEW YORK 10278

ATTN: PERMITS ADMINISTRATION BRANCH, ROOM 505

FNA000002

TO: FERRIERO DIANA ATTORNEY PB&N
CONUS CHEMICAL CO SITE
185 FOUNDRY ST
NEWARK, NJ 07105

946030349

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 10-31-91
GSA No. 0246-EPA-OT

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

EPA Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only): 90-10-31

I. Installation's EPA ID Number (*Mark 'X' in the appropriate box*)

[X] A. First Notification [ ] B. Subsequent Notification (*complete item C*)

C. Installation's EPA ID Number: NJ0986595916

II. Name of Installation (*Include company and specific site name*)

CONUS CHEMICAL COMPANY SITE

III. Location of Installation (*Physical address not P.O. Box or Route Number*)

Street: 185 FOUNDRY STREET AKA 96

Street (continued): ROANOKE AVENUE

City or Town: NEWARK | State: NJ | ZIP Code: 07105-

County Code: | County Name: ESSEX

IV. Installation Mailing Address (*See Instructions*)

Street or P.O. Box: SAME

City or Town: | State: | ZIP Code:

V. Installation Contact (*Person to be contacted regarding waste activities at site*)

Name (*last*): FERRIERO (*first*): DIANA

Job Title: ATTORNEY PB+N Phone Number (*area code and number*): 201-538-4006

VI. Installation Contact Address (*See Instructions*)

A. Contact Address Location [ ] Mailing [ ] B. Street or P.O. Box: 163 MADISON AVENUE

City or Town: MORRISTOWN | State: NJ | ZIP Code: 07962-1997

VII. Ownership (*See Instructions*)

A. Name of Installation's Legal Owner: NORPAK CORPORATION

Street, P.O. Box, or Route Number: 70 BLANCHARD STREET

City or Town: NEWARK | State: NJ | ZIP Code: 07105-

Phone Number (*area code and number*): 201-589-4200

B. Land Type: P | C. Owner Type: P | D. Change of Owner Indicator: Yes [ ] No [ ] (Date Changed) Month Day Year

EPA Form 8700-12 (01-90) Previous edition is obsolete.

Continue on reverse

FNA000003

946030350

FNA000004

946030351

PORZIO, BROMBERG & NEWMAN
A PROFESSIONAL CORPORATION

COUNSELLORS AT LAW
163 MADISON AVENUE
MORRISTOWN, NJ 07962-1997
201-538-4006

PRACTICE LIMITED TO LITIGATION AND ENVIRONMENTAL LAW

FAX 201-538-5146
TELEX 130-509 (TPBN-LAW-UD)

655 THIRD AVENUE (SUITE 900)
NEW YORK, NY 10017-5617
212-986-0600
FAX 212-986-6491

ROBERT J. BRENNAN
MYRON J. BROMBERG
THOMAS R. CHESSON
ROY ALAN COHEN
ALEXANDER J. DRAGO
LAUREN E. HANDLER
EDWARD A. HOGAN
ANITA HOTCHKISS
JOHN M. NEWMAN

LISA MURTHA BROMBERG
D. JEFFREY CAMPBELL
COLLEEN H. CONNOR
STEWART A. CUNNINGHAM
HOWARD P. DAVIS +
JANET A. DiGIORGIO
CHARLES E. ERWAY, III
FRANK FAZIO
DIANA FERRIERO *
PATRICIA S. GAGLIARDI
VANESSA M. KELLY

DAVID J. KOTKIN
MAURA E. LICHTENSTEIN *
KENNETH R. MEYER
NANCY G. MINIKES
RANDI N. POMERANTZ
CYNTHIA D. RICHARDSON
MICHELE M. ROGERS *
JONATHAN H. ROTH
VIRGINIA T. SHEA
DIANE M. SIANA
ANGELA D. SLATER *
THOMAS SPIESMAN
CHARLES J. STOIA
MORNA L. SWEENEY *
JOSEPH P. THOMAS *

RALPH PORZIO
(RETIRED)

* N. J. BAR ONLY
N. J. & N.Y. BARS
+ N.Y. BAR ONLY

October 30, 1990

VIA FEDERAL EXPRESS

United States Environmental
Protection Agency - Region II
Permits Administration Branch
26 Federal Plaza, Room 505
New York, NY 10278

Re: Conus Chemical Company
185 Foundry Street a/k/a 96 Roanoke Avenue
Newark, New Jersey 07105
In Re Norpak Corporation
Administrative Order on Consent
Index No. II-CERCLA-00113

To Whom It May Concern:

Enclosed is a completed EPA Notification of Regulated Waste Activity for the above-referenced facility.

Norpak Corporation ("Norpak") leased the above-referenced property to Conus Chemical Company ("Conus"). Conus vacated the property in December, 1989 pursuant to an eviction order for non-payment of rent.

In February, 1990, the United States Environmental Protection Agency ("USEPA" or "the Agency") undertook an emergency response action at the site pursuant to the Agency's authority under the Comprehensive Environmental Response, Cleanup and Liability Act, 42 U.S.C. 9601 et seq. The response action entailed segregating compatible drums and overpacking where necessary.

A Removal Action Work Plan ("RAW") has been submitted to and approved by the Agency. In addition, Norpak has entered into an

Administrative Order on Consent ("AOC"), Index No. II-CERCLA-00113, to remove and properly dispose of the drums of material abandoned by Conus at the site. Norpak has 22 weeks in which to complete the EPA-approved RAW. Accordingly, it is imperative that Norpak obtain an EPA ID number on an expedited basis.

Your cooperation in expediting this application is most appreciated.

In the interim, if you have any questions, please feel free to call me.

PORZIO, BROMBERG & NEWMAN
A Professional Corporation

By: Diana Ferriero
Diana Ferriero

DF:djo

Enclosure

cc: Mr. Anthony A. Coraci (w/o enc.)
Raquel Romero, Esq. (w/o enc.)
Mr. John A. Wilpert (w/enc.)

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Facility Information | Report Error

Overview | EZ Query | Query | Model | Feedback | EF Home

Facility Detail Report

Facility Name:	CONUS CHEMICAL COMPANY
Location Address:	185 FOUNDRY STREET
Supplemental Address:	
City Name:	NEWARK
State	NJ
County Name:	ESSEX
ZIP/Postal Code:	07105
EPA Region:	02
Congressional District Number:	13
Legislative District Number:	ME
HUC Code:	02030103
Federal Facility:	NO
Tribal Land :	NO
DUNS Company Number:	
Latitude:	40.728408
Longitude:	-74.132816
Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point Description:	PLANT ENTRANCE (GENERAL)

Report Facility Discrepancy

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date
RCRAINFO	NJD986595916	NO UNIVERSE SPECIFIED	EPA INSPECTION	01/12/1994

Facility Mailing Addresses

FNA000007

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO
OWNER	NOT REQUIRED	NOT REQUIRED	WY	99999	RCRAINFO
REGULATORY CONTACT	185 FOUNDRY ST	NEWARK	NJ	07105	RCRAINFO

NAICS Codes

No NAICS Codes returned.

SIC Codes

No SIC Codes returned.

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
REGULATORY CONTACT	DIANA FERRIERO	9735384006	RCRAINFO	View	Report

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OWNER	NORPAK CORP		RCRAINFO	View	Report

Alternative Names

Alternative Name
CONUS CHEM
CONUS CHEM SITE

Query executed on: APR-23-2002

FNA000008

EPA United States Environmental Protection Agency

Handler Information

RCRAInfo

CONUS CHEMICAL CO SITE **NEWARK** **NJD986595916**

Select the information to process:

Basic Handler Information

Handler Id	Handler Name	Facility Identifier	Extract Flag	Region	State	Universes
NJD986595916	CONUS CHEMICAL CO SITE		X	02	NJ	

Previous Name Information

Act Loc	Receive Date	Handler Name

Location Address Information

Act Loc	Street No	Street	City	County	State	Zip	Land Type	State District
NJ	185	FOUNDRY ST	NEWARK	ESSEX	NJ	07105		METRO

Mailing Address Information

Act Loc	Street No	Street	City	State	Zip
NJ	185	FOUNDRY ST	NEWARK	NJ	07105

Contact Information

Act Loc	Type	Title	First Name	Last Name	Phone	Street	City	State	Zip
NJ	N	ATTORNEY PB&N	DIANA	FERRIERO	973-538-4006	185 FOUNDRY ST	NEWARK	NJ	07105

Owner Information

Act Loc	Seq	Indicator	Type	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip
NJ	1	CO	P		NORPAK CORP	212-555-1212	NOT REQUIRED	NOT REQUIRED	WY	99999

Operator Information

Act Loc	Seq	Indicator	Type	Change Date	Owner/Operator Name	Phone	Street	City	State	Zip

Miscellaneous Information

Act Loc	Previous Id	Second Id	Ack Flag	Ack Date	River Basin	LSD Date	Non-notifier	Off-site receipt	Accessibility
NJ				11/5/1990					

Location Coordinates

Act Loc	Source	Latitude Measure	Longitude Measure
NJ			

Environmental Priority Ranking

Act Loc	EPR Date	EPR Status	EPR Notes

FNA000009

946030356

SIC Information				
Act Loc	Seq	Source	Code	Primary

Other Permit Information			
Act Loc	Number	Type	Permit Description

Activity Summary Information										
Act Loc	Source	Seq	Receipt Date	Gen - Fed Reg	Trans - Fed Reg	TSD - Fed Reg	HW Fuel - Fed Reg	Used Oil - Fed Reg	UIC	Recy
NJ	E	1	1/12/1994	LQG - N	-	-	-	-		
NJ	N	1	10/31/1990	LQG - R	-	-	-	-		

Hazardous Waste Stream Information						
Act Loc	Sequence	Source	Date	Amount	Unit of Measure	Desc
NJ	0001	E	1/12/1994	0		
NJ	0001	N	10/31/1990	0		

Go To

URL: /Handler/HAND_info_main.asp

FNA000010

EN 021
TRENTON, N.J. 08625-0028

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

TO: Jeff Sterling MFO
FAX #: 201-669-3987
DATE: 6/19/91 NUMBER OF PAGES: 3 (INC. COVER)

FROM: FERD SCACCETTI
OFFICE: MANAGEMENT SECTION
PHONE #: (609) 633-1394 FAX #: (609) 633-1454

Jeff,
for your review and action if warranted.
Maybe a RCRA target for inspection.

Ferd

FNA000011

946030359

UNMANIFESTED WASTE REPORT

PURSUANT TO TITLE 40 CODE OF FEDERAL REGULATIONS (CFR) SECTION 264.76 NOTIFICATION IS GIVEN THAT THE FOLLOWING SHIPMENT OF HAZARDOUS WASTE WAS SHIPPED WITHOUT USING A UNIFORM HAZARDOUS WASTE MANIFEST AS SPECIFIED BY 40 CFR 262.20.

FACILITY: CLEAN HARBORS OF BALTIMORE, INC.
1910 RUSSELL ST.
BALTIMORE, MD 21230
EPA ID# MDD980555189

DATE RECEIVED: 6-3-91

GENERATOR: Norpak Corporation
70 Blanchard Ave
Newark, NJ 07105
EPAID: NJD 986595916

TRANSPORTER: Clean Harbors of Kingston, Inc

DESCRIPTION: Waste Flammable Liquid, NOS Flammable Liquid (D001)

TREATMENT METHOD: Rejection To CHI- Braintree MAD 053 452 637

COMMENTS: Flash Point 82°F

Richard Waddington

RICHARD F. WADDINGTON
CLEAN HARBORS OF BALTIMORE, INC.

FNA000012

946030360

(301) 685-3910

82 F Flash Form

NON-HAZARDOUS WASTE MANIFEST

Manifest # CCB # 508846 Date 5-31-91

Generator: NORPAK CORP. Phone No.: 201-589-4200

70 BLANChard Ave EPA ID No.: NJD986595916

Newark NJ 07105 Contact: CARTER ARTHUR

Site: CONUS Chemical 96 Roanoke Ave Newark N.J.

Process which generated waste:

I certify that the materials described below are properly described, classified, packaged, marked & labeled, and are in proper condition to be transported in commerce under the applicable regulations of the State, the Environmental Protection Agency and the Department of Transportation. I certify that the waste described below is non-hazardous. I certify that the specified waste was delivered to the carrier named below for legal treatment, storage, or disposal at the site indicated.

Date 5-31-91 Signature [signature]

Description of waste	Circle Form	Quantity	Circle Units	Container No.	Container Type
NON-HAZ PH7 LIQUID	Solid / Liquid / Gas / Sludge	450	Gallons / Cu. Yds. / Pounds / Tons	5 / 4	DF / DM

3X85/36855

Transporter: CLEAN HARBORS OF KINGSTON Phone No.: 617-585-5111

100 Joseph ST EPA ID No.: MAD039322250

KINGSTON MA Contact: ALAN STERN

Vehicle License Tag Number(s): 318360 / 29603 Unit Number(s): 124/622

I certify that the specified waste was transferred in a registered (licensed) vehicle to the disposal treatment, storage, or disposal facility named below and was accepted.

Pick-up Driver's Signature: W D Daley Date: 5-31-91 Delivering Driver's Signature: W Daley Date: 6-1-91

TSD Facility: CLEAN HARBORS OF BALTIMORE Phone No.: 301-685-3911

1910 RUSSELL ST EPA ID No.: MDD980555789

BALTO md Contact: DAVE DALLAS

Handling Method:

I certify that the transporter above delivered the specified material to this TSD facility and was accepted and properly handled in the above manner. We are authorized and qualified by the State of _____ to handle this material.

Date _____ Signature: _____

ORIGINAL - Destination Retain COPY 2 - Return to Generator COPY 3 - Transporter Retain COPY 4 - Generator Retain

FNA000013

946030360 A

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE
One Winter Street
Boston, Massachusetts 02108

61684

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator US EPA ID No.: NJD986595916 — Manifest Document No.:
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Attn: Art Cartem
Norpak Corporation
70 Blanchard Street
Newark, NJ 07105

4. Generator's Phone (201) 589-4200

A. State Manifest Document Number: MA F318238
B. State Gen. ID: Conus Chemical Site
96 Roanoke Ave Newark, NJ

5. Transporter 1 Company Name: Clean Harbors of Kingston
6. US EPA ID Number: MAD039322250
C. State Trans. ID: TV13850H

7. Transporter 2 Company Name:
8. US EPA ID Number:
D. Transporter's Phone (617) 585-5111
E. State Trans. ID:

9. Designated Facility Name and Site Address: Clean Harbors of Braintree, Inc.
385 Quincy Ave
Braintree, MA
10. US EPA ID Number: MAD053452037
F. Transporter's Phone ( )
G. State Facility's ID: Not Required
H. Facility's Phone (617) 849-1807

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Waste Flammable Liquid, N.O.S. (Petroleum Distillates) Flammab le Liquid, UN1993 (Acetone)	XX1	DM	00050	G	D001
b.					
c.					
d.					

GENERATOR

[illegible] Listed Above (Include physical state and hazard code.)

K. Handling Codes for Wastes Listed Above: a. SP c. b. d.

15. Special Handling Instructions and Additional Information

In case of emergency call 1-800-OIL-TANK NJDEP - S-7259

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: ARTHUR CARTEM — Signature: [signature] — Date: Month 06 Day 20 Year 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Thomas H. Eckenrode — Signature: [signature] — Date: Month 06 Day 25 Year 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
Sec 5 Add "Inc." manifest Doc # "18238"

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Edward A. Bemy — Signature: [signature] — Date: Month 06 Day 27 Year 91

In case of emergency or spill, immediately call the National Response Center (800) 424-8802.

MA F318238 COPY>3: FACILITY MAILS TO GENERATOR

FNA000014

Form Approved OMB No. 2050-0039, Expires 9-30-91
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>3: FACILITY MAILS TO GENERATOR

946030361

CCB # _____
R # SO 3846
LOG IN: 5/17/91

CleanHarbors
1910 RUSSELL STREET
BALTIMORE, MD 21230
(301) 685-3910

LOG OUT: [illegible]
DISPOSITION: [illegible]
INIT: [illegible]

WASTE SOURCE Metro - Newark Corp
GENERATOR Conus Chemical
DESCRIPTION #64 Oxidizer Liquid

SCREENING TESTS ✓

Analysis for Composite sample of 9 drums 08/01/91 [illegible]

COLOR / APPEARANCE Dark waste liquid
ODOR Mild
% FREE OIL 0
% FLOATER 0
% OIL W/ACID 0

	SCREEN METH	IF REQUIRED
PH	6.2	
MISCIBILITY	Yes	
% TOTAL SOLIDS		
FL. POINT °F	≥140°F	
PHENOL	<100 ppm	
AMMONIA	~~Neg~~ Positive	
COD		
CYANIDE	<10 ppm	
SULFIDE	<2 ppm	
SPECIFIC GRAVITY		
Cr + 6	Neg	
DATE & INIT.	5/17 NEE	

TX:	
DATE & INIT.	
PCB:	
DATE & INIT.	
VOA TOTAL COMPOUND:	
DATE & INIT.	

NEUTRALIZATION: 0.55 mls NaOH, % Mg (OH)₂ / 100 mls Sample
TREATMENT WITH MIX TANK: 10 mls Sample + 90 mls Mix Tank
Specific Treatment Required:

METALS	ORIG	MIX + SAMPLE	MIX TANK	E. P. TOX
Ag ppm				
As				
Be				
Ba				
Cd	0.20	0.64		
Cr	0.25	0.05		
Cu	0.25	<0.01		
Fe		[illegible]		
Pb	1.15	0.06		
Mn				
Ni	1.50	0.90		
Tl				
Se				
Zn	0.45	0.05		
Hg				
PREPARED	[illegible] 5/20/91			
ANALYZED	NEE 5/20	5/17 NEE		

% TREATED SOLIDS

%	By Volume	By Weight
AS IS		
Mix + Sample		
Mix Tank		
Date & Init		

COMMENTS:

FNA000015

946030362

CleanHarbors

6/13/91

Manifest #12972 — description of nine drums which received by CH. BALTIMORE Facility. 06/06/91 BC

9 drums - Profile #S08846

7 drums of liquid for treatment.....$105.00 per drum
1 drum of solid resin for landfill.....$190.00 per drum
1 drum of flammable resin for incineration...$775.00 per drum

June 6th Load

Manifest #MDC0294205

Line Item 11a - 31 drums - Profile #S12123

31 drums of liquid for treatment .....$115/ drum

Line Item 11b - 17 drums - Profile #S12125

12 drums of liquid for treatment.....$120/ drum
3 drums solid material for stabilization.....$325/ drum
2 drums of caustic sludge for stabilization...$385/ drum

Line Item 11c - 5 drums - Profile #S12125

1 drum of liquid for treatment.....$120/ drum
4 drums of caustic sludge for stabilization....$385/ drum

Line Item 11d - 1 drum - Profile #S12123

1 drum of caustic sludge for stabilization.....$385/ drum

Manifest #MDC0294202

Line Item 11a - 9 drums - Profile #S08845

9 drums of caustic sludge for stabilization.....$385/ drum

FNA000016

946030363

07-14-237

RCRA INSPECTION TRACKING

COMPANY DATA

EPA ID NUMBER: NJD986595916 FACILITY NAME: NORPAK CORP.
MANDATORY <Y/N> Y LAND BAN <Y/N> N FEE <Y/N> N FY/QUARTER: 92 1
CONTACT: ARTHUR CARTEM FACILITY PHONE: (201) 589-4200
COUNTY/MUNICIPAL CODE 07 14 FACILITY STREET: 96 ROANOKE AVE
CITY: NEWARK FACILITY STATE NJ FACILITY ZIP: 07105
CORPORATE NAME: SAME CORPORATE STREET: 70 BLANCHARD STR
FACILITY CITY: NEWARK FACILITY STATE NJ FACILITY ZIP: 07105
CONTACT: SAME FILE NUMBER: 7-14-237 Region code 2

INITIAL INSPECTION (X)

INSPECTION DATE: 08/01/91 SITE VISIT <Y/N> Y
REGULATORY STATUS CODE 01 EVALUATION TYPE CODE 08 GRANT CODE 01
DATE NOV ISSUED NONE SCHEDULED COMPLIANCE DATE N/A
INSPECTOR/REVIEWER B. CZACHOR DATE ASSIGNED 07/01/91 DATE REVIEWED
DATE VIOLATIONS REFERRED INCIDENT CASE NUMBER

FOLLOW-UP INSPECTION ( )

INSPECTION DATE: SITE VISIT <Y/N>
INITIAL INSPECTION DATE: VERIFIED COMPLIANCE DATE
EVALUATION TYPE CODE GRANT CODE
INSPECTOR/REVIEWER DATE REPORT REVIEWED

AREA OF EVALUATION

		GW	CLO	$$$	PTB	SCH	MNF	LDB	OTH
CLASS OF	I*						0		0
VIOLATION	I						0		0
	II						0		0

(ENTER Z, X, O, H OR C IN THE APPROPRIATE BOX)

Z=UNDETERMINED OR UNDER INVESTIGATION
X=VIOLATION
* H=HIGH PRIORITY VIOLATOR
C=FACILITY NOT IN COMPLIANCE WITH COMPLIANCE SCHEDULE IN CORRECTIVE ACTION COMPLIANCE SCHEDULE IN AN ORDER OR PERMIT

AREAS OF EVALUATION:
GW = Ground Water CLO = Closure $$$ = Financial responsibility PTB = Part B
SCH = Compliance Schedule MNF = Manifest LDB = Land ban OTH = other

COMMENTS: Investigation of unmanifested waste shipment

FNA000017

946030365

Form DWM-051
1/86

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT

INVESTIGATION

CASE #: _____ DWM FILE #: 07-14-237

TIME ARRIVED: 0950

INVESTIGATOR: BOLESLAW CZACHOR DATE: 08/01/91 TIME DEPARTED: _____

LOCATION: NORPAK CORP. PROPERTY OWNER: NORPAK CORP.

ADDRESS: 70 BLANCHARD STR MAILING ADDRESS: SAME

NEWARK County: ESSEX

BLOCK: _____ LOT: _____ RESPONSIBLE PARTY: SAME AS ABOVE

LOCATION TELEPHONE #: 201-589-4200 ADDRESS: _____

EPA ID #: NJD986595916

LOCAL HEALTH DEPT. REP. — TELEPHONE #: —

ORIGIN OF COMPLAINT: MANIFEST & INFO SECTION TELEPHONE #: 609-633-1394

NATURE OF COMPLAINT: _____

PHOTOGRAPHS TAKEN: NO SAMPLE #: NO

FINDINGS: On Aug 01, 91 approximately at 10:00 hrs a meeting took place at the NORPAK CORP. location, between the N.J.DEP - METRO ENFORCEMENT BUREAU, the company, company clean up contractor the INTERNATIONAL TECHNOLOGY CORP, and company disposal facility which is CLEAN HARBORS Co - METRO REGION. The following is a list of person who attended the meeting:

MR. ARTHUR CARTEM - NORPAK CORP - 201-589-4200
ROBERT O'HERRON - CLEAN HARBORS Co, 908-805-9355
JOHN WILPERT - INTERNATIONL TECH. CORP. 908-396-1600
MARTIN GOLDBERG - " " " 908-396-1600
DIANE DECAP - WESTON / INTERN. TECH. 201-225-6116

The purpose of the meeting was an explanation of shipment of nonhazardous waste on 05/31/91, which was found to be hazardous at the disposal facility CLEAN HARBORS OF BALTIMORE. See documentation attached.

The company operations and origination of the shipment,

The NORPAK Corp. is a owner of property located at 96 ROANOKE AVE, NEWARK N.J. which was leased to the CONUS CHEMICAL Co. In 1990 the CONUS Chemical Co. went out

AMS 8/5/91
Supervisor Signature

Investigator Signature

COPIES: White - DWM File Yellow - Local Health Dept. Pink - Investigator

FNA000018

946030366

Form DWM-051 B
1/86

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT

INVESTIGATION

CASE # _ _ _

DATE 08/01/91

RECOMMENDATIONS AND CONCLUSIONS:

of business and left the property, leaving about 1700 - 2000 containers of chemicals on site. The case was initially investigated by the NJDEP - MFO - SPILL SECTION then it was taken over by EPA and untill now it is EPA clean up site. The EPA site coordinator is MR. ANGEL RODRIGEZ - 908-321-6614.

* According to MR. John WILBERT ITC - the survey of clean up site revealed that out of 1700 containers, there were 500 DRUMS of unknowns, 4000 LAB pack chemicals which were incinerated, there were common problem with mislabeling and identification of containers. However as of this date there is only 51 drums are left on site. And out of these 51 drums 49 are scheduled for shipment on 08/05/91. The drum drums which will be left on site contain benzol chloride and the company is looking for proper disposal site.

As part of subject shipment of nine drums of nonhazardous waste is concerned, I was told that the composite sample was drawn on clean up site as drums arrived at Clean Harbors of BALTIMORE, they were sampled separetly as per C.H. permit requirements and disposal standards. One drum containing resin was found with flas point of 82° F. That drum was rejected, all appropriate agencies were notified about the rejection and subject drum was as per NORPAK Rep. instruction, monitored and

AS 8/5/91

Supervisor Signature

Investigator Signature

Incident case # 89-09-141129

COPIES: White - DWM File Yellow - Local Health Dept. Pink - Investigator

FNA000019

946030367

Form DWM-051 B
1/86

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT

INVESTIGATION

CASE # - - -

DATE 08/01/91

RECOMMENDATIONS AND CONCLUSIONS:

shipped to the CLEAN HARBORS OF KINGSTON in KINGSTON, MA; m# MA-F318238. The copies of manifests and lab analysis are attached. In my opinion the shipment of nine drums, out of which one proven to be haz. waste appears to be honest mistake. The corrective action appears to be adequate and in my opinion no further action on this case is needed.

AS 8/5/91
Supervisor Signature

B. Crochar
Investigator Signature

COPIES: White - DWM File Yellow - Local Health Dept. Pink - Investigator

FNA000020

946030368

Central

PORZIO, BROMBERG & NEWMAN
A PROFESSIONAL CORPORATION

COUNSELLORS AT LAW
163 MADISON AVENUE
MORRISTOWN, NJ 07962-1997
201-538-4006

PRACTICE LIMITED TO LITIGATION AND ENVIRONMENTAL LAW

FAX 201-538-5146

655 THIRD AVENUE (SUITE 900)
NEW YORK, NY 10017-5617
212-988-0600
FAX 212-988-6491

ROBERT J. BRENNAN
LISA MURTHA BROMBERG
MYRON J. BROMBERG
D. JEFFREY CAMPBELL
THOMAS R. CHESSON
ROY ALAN COHEN
ALEXANDER J. DRAGO
LAUREN E. HANDLER
EDWARD A. HOGAN
ANITA HOTCHKISS
KENNETH R. MEYER
JOHN M. NEWMAN
HOWARD J. SCHWARTZ

RALPH PORZIO
RETIRED

CHARLES E. ERWAY, III
COUNSEL

MICHAEL C. CAULFIELD *
STEWART A. CUNNINGHAM
HOWARD P. DAVIS
CHRISTOPHER P. DEPHILLIPS *
GARINEH S. DOVLETIAN
FRANK FAZIO

PATRICIA S. GAGLIARDI
PETER J. HECK *
VANESSA M. KELLY
JONATHAN M. KORN
WILLIAM A. KRAIS
JONATHAN R. KUHLMAN
MAURA E. LICHTENSTEIN *
COLEEN J. McCAFFERY
NANCY G. MINIKES
DEAN M. MONTI
RANDI N. POMERANTZ
CYNTHIA D. RICHARDSON
GREGORY J. SCHWARTZ
DIANE M. SIANA
ANGELA D. SLATER *
ANASTASIA P. SLOWINSKI
THOMAS SPIESMAN
CHARLES J. STOIA
JANET A. SULLIVAN
MORNA L. SWEENEY
JEANNE M. SZAFRANOWSKI *
STEPHEN L. WILLIS

N. J. & N. Y. BARS
* N. J. BAR ONLY

FAX COVER SHEET

FROM: Michael C. Caulfield, Esq. **DATE:** August 30, 1993
Please send the annexed document to:

NAME:

COMPANY: NJDEPE - Hazardous Waste Enforcement Element

CITY AND STATE: Trenton, NJ

FAX NUMBER: 609-292-9938

CLIENT-MATTER NUMBER: 06114.19512

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET: 5

MESSAGE: See Attached.

If you have any problems receiving this transmittal, please call (Operator) _____ at (201) 538-4006, ext. 4002. We are transmitting from a Xerox Telecopier 7021.

☐ **THE ORIGINAL OF THIS DOCUMENT WILL NOT BE SENT BY REGULAR MAIL.**

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

FNA000021

2'6

946030370

PORZIO, BROMBERG & NEWMAN
A PROFESSIONAL CORPORATION

COUNSELLORS AT LAW
163 MADISON AVENUE
MORRISTOWN, NJ 07962-1997
201-538-4006

PRACTICE LIMITED TO LITIGATION AND ENVIRONMENTAL LAW

FAX 201-538-5146

655 THIRD AVENUE (SUITE 900)
NEW YORK, NY 10017-5617
212-986-0600
FAX 212-986-6481

ROBERT J. BRENNAN
LISA MURTHA BROMBERG
MYRON J. BROMBERG
D. JEFFREY CAMPBELL
THOMAS R. CHESSON
ROY ALAN COHEN
ALEXANDER J. DRAGO
LAUREN E. HANDLER
EDWARD A. HOGAN
ANITA HOTCHKISS
KENNETH R. MEYER
JOHN M. NEWMAN
HOWARD J. SCHWARTZ

RALPH PORZIO
RETIRED

CHARLES E. ERWAY, III
COUNSEL

MICHAEL C. CAULFIELD *
STEWART A. CUNNINGHAM
HOWARD P. DAVIS
CHRISTOPHER P. DePHILLIPS *
GARINEH S. DOVLETIAN
FRANK FAZIO
PATRICIA S. GAGLIARDI
PETER J. HECK *
VANESSA M. KELLY
JONATHAN M. KORN
WILLIAM A. KRAIS
JONATHAN R. KUHLMAN
MAURA E. LICHTENSTEIN *
COLEEN J. McCAFFERY
NANCY C. MINIKES
DEAN M. MONTI
RANDI N. POMERANTZ
CYNTHIA D. RICHARDSON
GREGORY J. SCHWARTZ
DIANE M. SIANA
ANGELA D. SLATER *
ANASTASIA P. SLOWINSKI
THOMAS SPIESMAN
CHARLES J. STOIA
JANET A. SULLIVAN
MORNA L. SWEENEY
JEANNE M. SZAFRANOWSKI *
STEPHEN L. WILLIS

N. J. & N.Y. BARS
* N. J. BAR ONLY

August 30, 1993

VIA FAX AND OVERNIGHT MAIL

Hazardous Waste Enforcement Element
New Jersey Department of Environmental
Protection and Energy
401 East State Street
CN-018
Trenton, New Jersey 08625-0018

Re: Norpak Corporation/Avon Drum
Confirmation Notification for
Discovery of Contamination
Incident No. 93-07-29-1151-52

To Whom It May Concern:

We are writing to notify you of a discharge pursuant to the requirement of the regulations governing discharges of petroleum and other hazardous substances, N.J.A.C. 7:1E-1.1 *et seq*. The discharge was reported to the New Jersey Department of Environmental Protection and Energy ("NJDEPE") on the Environmental Action Hotline on July 29, 1993. Operator No. 02 on the Environmental Action Hotline assigned Report No. 07-29-1151-52 to the notification.

In accordance with the regulatory requirements, N.J.A.C. 7:1E-5.8(b), the following information is provided:

1. **Name of individual reporting discharge**

   Name: Michael C. Caulfield
   Address: Porzio, Bromberg & Newman, P.C.
   163 Madison Avenue
   Morristown, New Jersey 07962-1997
   Tel. No.: (201) 538-4006

2. **Name of industrial establishment.**

   Norpak Corporation/Avon Drum

3. **Name, address and telephone number of each person in any responsible for discharge.**

   Avon Drum
   c/o Merv Nelkin
   604-955 S. Springfield Avenue
   Springfield, New Jersey 07081
   (201) 379-9072

4. **Name, address and telephone number of each owner and operator of the facility at which discharge occurred.**

   Property owner: Anthony A. Coraci
   Norpak Corporation
   70 Blanchard Street
   Newark, New Jersey 07105
   (201) 589-4200)

   Tenant operator: Merv Nelkin
   Avon Drum
   604-955 S. Springfield Avenue
   Springfield, New Jersey 07081
   (201) 379-9072

5. **Source of discharge**

   The discharges appear to be ongoing at the site of Avon Drum's operations on Norpak's Foundry Street property. The discharges appear to be from leaking drums or from drums which have been emptied onto the ground.

6. **Location of discharge.**

   Norpak Property
   Avon Drum Site (approx. .5 acre)
   Foundry Street and Roanoke Avenue
   Lots 4 and 21, Block 5005
   Newark, New Jersey

7. **Type of hazardous substance discharged.**

   Unknown.

8. **Quantity of hazardous substance discharged.**

   Unknown.

9. **Date and time of discharge.**

   Appears to be ongoing in small quantities.

10. **Detailed description of measures taken to contain, clean up and remove the discharge.**

    Norpak Corporation is in the course of complying with an Administrative Consent Order ("ACO") which applies to this portion, among others, of the property referenced in No. 6 above. In addition, Norpak is also complying with ECRA with regard to another portion of the same site. Avon Drum is a tenant on that site and, Norpak believes, continues to pollute the land.

11. **Corrective actions or countermeasures taken.**

    Norpak is terminating Avon Drum's tenancy and is conducting a Remedial Investigation pursuant to the ACO mentioned above.

12. **Additional preventative measures taken or proposed to minimize possibility of recurrence.**

    None.

13. **Name of removal, disposal and/or cleanup firm, if applicable.**

    International Exploration

PORZIO, BROMBERG & NEWMAN

212 N. Main Street
Doylestown, PA 18901
(215) 345-5586
Contact: John Walker

14. **Description of type, quantity and location of samples taken.**

None yet.

Should you require any additional information concerning this matter, please contact me at the above-reference telephone number.

Very truly yours,

Michael C. Caulfield

Michael C. Caulfield

MCC\af
93W6838.312(6P)

FNA000025

946030373 A

APR 30 1996

EXPRESS MAIL
RETURN RECEIPT REQUESTED

President
Avon Drum Corporation
185 Foundry Street
Newark, New Jersey 07105

Re: Request for Information Under 42 U.S.C. §9601 et seq.
Diamond Alkali Superfund Site, Passaic River Study Area

Dear Sir/Madam:

The United States Environmental Protection Agency ("EPA") is investigating the presence of hazardous substances in the sediments of the Passaic River. EPA is charged with responding to the release and/or threatened release of hazardous substances, pollutants and contaminants into the environment and with enforcement responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended ("CERCLA"), 42 U.S.C. §9601 et seq.

This "Request for Information", EPA requests information concerning the nature and quantity of certain materials (hazardous substances and hazardous waste, as those terms are defined at Section 101(14) of CERCLA, 42 U.S.C. §9601(14), and Section 1004 of RCRA, 42 U.S.C. §6903 respectively) which may have been generated, treated, stored, or disposed at your facility located in Newark, New Jersey. EPA makes its request pursuant to Section 104 of CERCLA, 42 U.S.C. §9604.

Pursuant to these statutory provisions, EPA hereby requires that you provide the information requested in Attachment A of this letter, and include, as required, the "Certification of Answers to Request for Information," with your notarized signature.

In preparing your response to this "Request for Information," please follow the instructions provided in Attachment B.

843660001

FNA000026

SYMBOL -->	NNJS2	SUP-ORC	NNJS2	NJB2	NJP	DD	D	
SURNAME -->	RICHMAN	WAGNER	DIFORTE	BASSO	FRISCO	PAVLOU	CALLAHAN	
DATE -->	4/17	4/17/96		4/29		4/29		

946030375

Your response to this "Request for Information" should be postmarked or received by EPA within thirty (30) calendar days of your receipt of this letter. Your response should be mailed to:

Mr. Lance R. Richman, P.G.
Emergency and Remedial Response Division
U.S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, New York 10007-1866

with a copy to Ms. Amelia Wagner, Assistant Regional Counsel, Office of Regional Counsel, 17th Floor, at the same address.

Your failure to respond to this "Request for Information" within the time specified above may subject you to an enforcement action under Section 104(e)(5) of CERCLA, 42 U.S.C. §9604(e)(5). An enforcement action may include the assessment of penalties of up to $25,000 for each day of continued noncompliance.

Be advised that you are under a continuing obligation to supplement your response if information not known or not available to you as of the date of submission of your response should later become known or available. If at any time in the future you obtain or become aware of additional information and/or find that any portion of the submitted information is false, misleading or misrepresents the truth, you must promptly notify EPA. If any part of your response is found to be untrue, you may be subject to criminal prosecution.

If desired, you may assert a business confidentiality claim covering all or part of the information requested by this letter. The claim must be supported by each of the four factors specified in Section 104(e)(7)(E) of CERCLA, 42 U.S.C. §9604(e)(7)(E), and must be asserted at the time of submission, by placing on (or attaching to) the information a cover sheet, stamped or typed legend, or other suitable form of notice employing language such as "trade secret", or "proprietary", or "company confidential". Information covered by such a claim will be disclosed by EPA only to the extent and by means of procedures set forth in Title 40 C.F.R. Part 2, Subpart B. If no such claim accompanies the information when it is received by EPA, it may be made available to the public by EPA without further notice to you.

FNA000027

946030376

If you have any questions concerning this "Request for Information," please contact Mr. Richman, of my staff, at (212)637-4409 or Ms. Wagner at (212)637-3141. Inquiries from attorneys should be directed to Ms. Wagner. Your cooperation is appreciated.

Sincerely yours,

Kathleen C. Callahan, Director
Emergency and Remedial Response Division

Enclosures

FNA000028

946030377

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of _____:

County of _____:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

_____
NAME (print or type)

_____
TITLE (print or type)

_____
SIGNATURE

Sworn to before me this
day of , 19___

_____
Notary Public

FNA000029

946030378

ATTACHMENT A

REQUEST FOR INFORMATION

Background

The United States Environmental Protection Agency ("EPA") is investigating the release of hazardous substances into the Passaic River. EPA has information indicating that hazardous substances from your facility located at 185 Foundry Street in Newark, New Jersey may have been discharged into the Passaic River.

Provide the information requested below, including copies of all available documentation that supports your answers.

1) How long has your company operated at the facility designated above? If your company no longer operates at this facility, during what years did your company operate at the facility?

2) a) Does your company have or has it in the past had a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq.? If "yes", please provide the years that your company held such a permit and its EPA Identification Number.

b) Does your company have or has it in the past had a permit or permits issued pursuant to the Federal Water Pollution Control Act, 33 U.S.C. § 1251, et seq.? If "yes", please provide the years that your company held such a permit.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

	Yes	No
2,3,7,8 tetrachlorodibenzo-p-dioxin or other dioxin compounds	___	___
Benzo(a)anthracene	___	___
Di-n-butyl phthalate	___	___
Fluoranthene	___	___
Phenanthrene	___	___
Pyrene	___	___
Tetrachloroethane	___	___
Toluene	___	___
Xylene	___	___
Ethyl benzene	___	___
Arsenic	___	___
Cadmium	___	___
Chromium	___	___
Copper	___	___
Lead	___	___
Mercury	___	___

FNA000030

946030379

Nickel ___ ___
Silver ___ ___
Zinc ___ ___
Cyanide ___ ___
PCBs ___ ___

4) a) Provide a description of the manufacturing processes for which all hazardous substances, including, but not limited to, the substances listed in response to item (3), were a product or by-product.

b) During what parts of the manufacturing processes identified in the response to items (4)(a), above, were hazardous substances, including, but not limited to, the substances listed in response to item (3), generated?

i) Describe the chemical composition of these hazardous substances.

ii) For each process, what amount of hazardous substances was generated per volume of finished product?

iii) Were these hazardous substances combined with wastes from other processes? If so, wastes from what processes?

5) Describe the methods of collection, storage, treatment, and disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3) and (4). Include information on the following:

a) Identify all persons who arranged for and managed the processing, treatment, storage and disposal of hazardous substances.

b) If hazardous substances were taken off-site by a hauler or transporter, provide the names and addresses of the waste haulers and the disposal site locations.

c) Describe <u>all</u> storage practices employed by your company with respect to all hazardous substances from the time operations commenced until the present. Include all on-site and off-site storage activities.

i) If drums were stored outside, were the drums stored on the ground or were they stored on areas that had been paved with asphalt or concrete? Please provide a complete description of these storage areas.

ii) When drums were stored outside, were empty drums segregated from full drums?

FNA000031

046030380

d) What processes do you use to treat your waste? What do you do with the waste after it is treated?

6) a) For process waste waters generated at the facility which contained any hazardous substances, including, but not limited to, the substances listed in response to item (3) and (4):

i) Was the waste stream discharge into a sanitary sewer and if so, during what years?

ii) Were they treated before being discharged to the sanitary sewer and if so, how? Please be specific.

iii) If the waste waters were not discharged to the sanitary sewer, where were they disposed and during what years?

iv) Please provide the results of any analyses performed on any waste process streams generated at the facility.

b) For floor drains or other disposal drains at the facility:

i) Did the drains connect to a sanitary sewer and if so, during what years?

ii) If the floor drains or other disposal drains at the facility were not discharged to the sanitary sewer, where did they discharge and during what years?

c) i) Did any storm sewers, catch basins or lagoons exist at any time at the facility and if so, during what years?

ii) If catch basins or lagoons existed, were they lined or un-lined?

iii) What was stored in the lagoons?

iii) Where was the discharge from any of these structures released and during what years? Was this discharge treated before its release and if so, how and during what years? What was the chemical composition of any waste waters released, and during which years?

d) Please supply diagrams of any waste water collection, transport or disposal systems on the property.

FNA000032

946030381

7) a) For each hazardous substances, including, but not limited to, the substances listed in response to item (3) or identified in the responses to item (4), above, provide the total amount generated during the operation of the facility on an annual basis.

b) Were any hazardous substances, including, but not limited to, the substances listed in response to item (3) or identified in the responses to item (4), above, disposed of in the Passaic River or discharged to the Passaic River? If yes, identify the hazardous substances, estimate the amount of material discharged to or disposed of in the Passaic River and the frequency with which this discharge or disposal occurred. Also please include any sampling of the river which you might have done after any discharge or disposal.

8) Please identify any leaks, spills, explosions, fires or other incidents of accidental material discharge that occurred at the facility during which or as a result of which any hazardous substances, including, but not limited to, the substances listed in response to item (3) or (4), were released on the property, into the waste water or storm drainage system at the facility or to the Passaic River. Provide any documents or information relating to these incidents, including the ultimate disposal of any contaminated materials.

a) Please provide the results of any sampling of the soil, water, air or other media after any such incident and before and after clean-up. Please provide in this information all sampling performed for or by NJDEP.

b) Also, EPA has information relating to spillage observed in 1990, relating to your company's practice of washing drums out at the site. Please provide all information relating to these spills and with these practices and any measures taken to mitigate the impact of the spills. In addition, describe how any wash water was disposed of once the drums had been washed out.

9) a) Was your facility ever subject to flooding. If so, was the flooding due to:

i) overflow from sanitary or storm sewer back-up, and/or

ii) flood overflow from the Passaic River?

b) Please provide the date and duration of each flood event.

10) Please provide a detailed description of any civil, criminal or administrative proceedings against your company for violations of any local, State or federal laws or regulations

FNA000033

946030382

storage, transport or disposal. Provide copies of all pleadings and depositions or other testimony given in these proceedings.

11) Provide a copy of each document which relates to the generation, purchase, use, handling, hauling, and/or disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3) or (4). If you are unable to provide a copy of any document, then identify the document by describing the nature of the document (e.g. letter, file memo, invoice, inventory form, billing record, hazardous waste manifest, etc.). Describe the relevant information contained therein. Identify by name and job title the person who prepared the document. If the document is not readily available, state where it is stored, maintained, or why it is unavailable.

12) a) Did you or anyone else sample the soil, ground water, surface water, ambient air or other environmental media at the facility for purposes other than those identified in questions above?

b) If so, please provide all other documents pertaining to the results of these analyses.

13) a) Has your company owned the facility at the location designated above? If so, from whom did your company purchase the property and in what year? If your company subsequently sold the property, to whom did your company sell it and in what year? Please provide copies of any deeds and documents of sale.

b) If your company did not own the facility, from whom did your company rent the facility and for what years? Please provide copies of any rental agreements.

c) To the extent that you know, please provide the names of all parties who owned or operated the facility during the period from 1940 through the present. Describe the relationship, if any, of each of those parties with your company.

14) Answer the following questions regarding your business or company. In identifying a company that no longer exists, provide all the information requested, except for the agent for service of process. If your company did business under more than one name, list each name.

a) State the legal name of your company.

b) State the name and address of the president or the chairman of the board, or other presiding officers of your company.

FNA000034

946030383

c) Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New Jersey.

d) Provide a copy of your company's "Certificate of Incorporation" and any amendments thereto.

e) If your company is a subsidiary or affiliate of another company, or has subsidiaries, or is a successor to another company, identify these related companies. For each related company, describe the relationship to your company; indicate the date and manner in which each relationship was established.

f) Identify any predecessor organization and the dates that such company became part of your company.

g) Identify any other companies which were acquired by your company or merged with your company.

h) Identify the date of incorporation, state of incorporation, agents for service of process in the state of incorporation and New Jersey, and nature of business activity, for each company identified the responses to items (14)(e), (f), and (g), above.

i) Identify all previous owners or parent companies, address, and the date change in ownership occurred.

15) Provide the name, address, telephone number, title and occupation of the person(s) answering this "Request for Information" and state whether such person(s) has personal knowledge of the responses. In addition, identify each person who assisted in any way in responding to the "Request for Information" and specify the question to which each person assisted in responding. Please include any the names and addresses of former employees who were contacted to respond to any of the questions.

FNA000035

946030383 A

ATTACHMENT B

INSTRUCTIONS FOR RESPONDING TO REQUEST FOR INFORMATION

1. A complete separate response must be made to each individual question in this "Request for Information".

2. Precede each answer with the number of the question to which it is addressed.

3. In preparing your response to each question, consult with all current or former employees and agents of your company who may be familiar with the matter to which the question pertains.

4. Interpret "and" as well as "or" to include within the scope of the question as much information as possible. If two interpretations of a question are possible, use the one that provides more information.

5. If you are unable to give a detailed and complete answer or to provide any of the information or documents requested, indicate the reasons for your inability to do so.

6. If you have reason to believe that an individual other than one employed by your company may be able to provide additional details or documentation in response to any question, state that person's name, last known address, phone number and the reasons for your belief.

7. For each document produced in response to this "Request for Information", indicate on the document, or in some other reasonable manner, the number of the question to which it applies.

8. If anything is deleted from a document produced in response to this "Request for Information", state the reason for, and the subject matter of, the deletion.

9. Provide all documents that relate to each question. If a document is requested but is not available, state the reason for its unavailability. In addition, to the best of your ability, identify any such document by author, date, subject matter, number of pages, and all recipients and their addresses.

10. As used herein "relate to" or "relating to" means constituting, defining, containing, embodying, reflecting, identifying, stating, referring to, dealing with, or in any way pertaining to. "Document" as used herein means any recording of information in tangible form, including memoranda, handwritten notes, invoices, checks, manifests, tape recordings, computer databases, or any tangible or physical objects however produced or reproduced upon which words or other information "are affixed

FNA000036

946030384

or recorded or from which by appropriate transcription written matter or a tangible thing may be produced.

11. Whenever in this "Request for Information" there is a request to identify a person or an entity other than a person, state the person or entity's full name, last known employment, present or last known home address, and telephone number.

12. As used herein, the term "facility," "hazardous substance," "person," and "release" shall have the meaning set forth in Section 101(9), (14), (21) and (22) of CERCLA, 42 U.S.C. §9601(9), (14), (21), and (22), respectively.

13. In answering these questions, every source of information to which you have access should be consulted, regardless of whether the source is in your immediate possession or control. All documents or other information, including records of all types of manufacturing, treatment, transportation or disposal operations, in your possession or in the possession of the Corporation should be consulted. If you do not have access to certain information and/or documents, state the nature of this information and/or documents, and indicate in whose possession they can be found.

FNA000037

946030385

UNITED STATES POSTAL SERVICE

Official Business

NEWARK NJ 1A 07102
MAY
1996

PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

U.S. MAIL

843660013

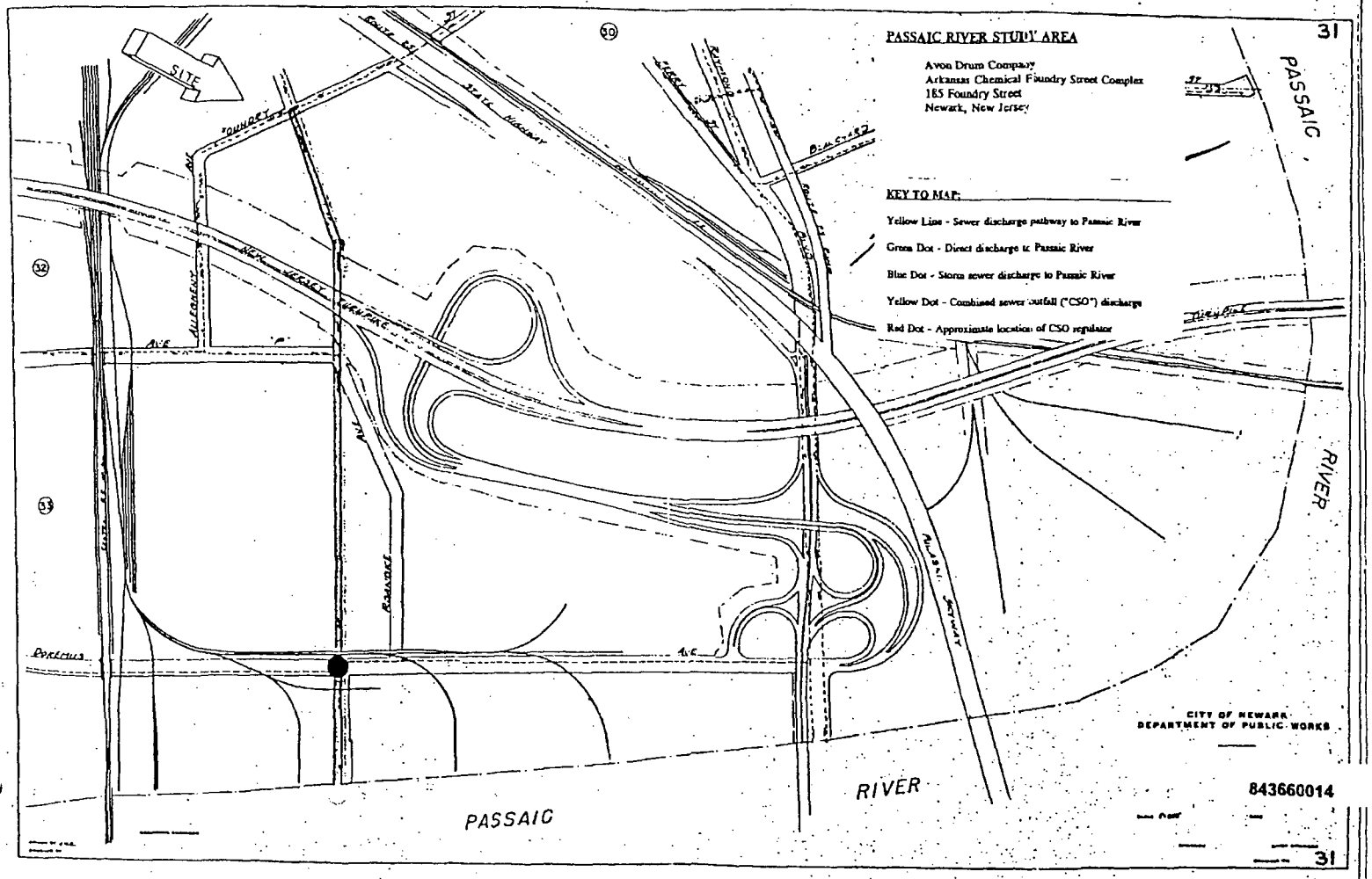
Print your name, address and ZIP Code here

U.S. Environmental Protection Agency
Region II
Office of Regional Counsel
New Jersey Superfund Branch
290 Broadway, 17th Floor
New York, New York 10007-1866

Attn:

FNA000038

946030386


PASSAIC RIVER STUDY AREA
Avon Drum Company
Arkansas Chemical Foundry Street Complex
185 Foundry Street
Newark, New Jersey
KEY TO MAP:
Yellow Line - Sewer discharge pathway to Passaic River
Green Dot - Direct discharge to Passaic River
Blue Dot - Storm sewer discharge to Passaic River
Yellow Dot - Combined sewer outfall ("CSO") discharge
Red Dot - Approximate location of CSO regulator
SITE
PASSAIC
RIVER
PASSAIC
RIVER
CITY OF NEWARK
DEPARTMENT OF PUBLIC WORKS
843660014
31
31

946030388

May 31, 1996

Attention: Mr. Lance R. Richman, P.E.

Attachment A.

1. Copy no longer operates at this facility, from 1990 - to - 1994

2. a) No
   b) no

3. No

4. a) None
   B) None

5. None
   (a) none (B) none, (C) none (d) none

6. (a) None (B) none (c) none (d) none

7. (a) none (B) none

8. (a) none (B) none

9) (a) Yes
   I.
   (B) No Information available

946030390

FNA000040

10. none

11. none

12. (a) No knowledge of it.
(B) none

13. (A) no
(B) Norpak Corp. - Month to month
(C) None
Ace Chemical Corp. (out of business)
Coronet Chemical Co. (Out of business)

14)(a) Avon Drum Co. Inc.
(B) 955 So. Springfield Ave. # 604
Springfield, N.J. 07081
Elaine Nelkin, President
Merwin Nelkin, Secretary
(c) N. J. - Greenberg & Company
(e) Avon Industries, Inc. - Out of Business,
Merwin Nelkin, President
(f.) None
(g) None
(I) - 15 - None

946030391

FNA000041

ATTACHMENT A

REQUEST FOR INFORMATION

Background

The United States Environmental Protection Agency ("EPA") is investigating the release of hazardous substances into the Passaic River. EPA has information indicating that hazardous substances from your facility located at 185 Foundry Street in Newark, New Jersey may have been discharged into the Passaic River.

Provide the information requested below, including copies of all available documentation that supports your answers.

1) How long has your company operated at the facility designated above? If your company no longer operates at this facility, during what years did your company operate at the facility?

2) a) Does your company have or has it in the past had a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq.? If "yes", please provide the years that your company held such a permit and its EPA Identification Number.

b) Does your company have or has it in the past had a permit or permits issued pursuant to the Federal Water Pollution Control Act, 33 U.S.C. § 1251, et seq.? If "yes", please provide the years that your company held such a permit.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

	Yes	No
2,3,7,8 tetrachlorodibenzo-p-dioxin or other dioxin compounds		✓
Benzo(a)anthracene		✓
Di-n-butyl phthalate		✓
Fluoranthene		✓
Phenanthrene		✓
Pyrene		✓
Tetrachloroethane		✓
Toluene		✓
Xylene		✓
Ethyl benzene		✓
Arsenic		✓
Cadmium		✓
Chromium		✓
Copper		✓
Lead		✓
Mercury		✓

FNA000042

946030392

ATTACHMENT A

REQUEST FOR INFORMATION

Background

The United States Environmental Protection Agency ("EPA") is investigating the release of hazardous substances into the Passaic River. EPA has information indicating that hazardous substances from your facility located at 185 Foundry Street in Newark, New Jersey may have been discharged into the Passaic River.

Provide the information requested below, including copies of all available documentation that supports your answers.

1) How long has your company operated at the facility designated above? If your company no longer operates at this facility, during what years did your company operate at the facility?

2) a) Does your company have or has it in the past had a permit or permits issued pursuant to the Resource Conservation and Recovery Act, 42 U.S.C. §6901 et seq.? If "yes", please provide the years that your company held such a permit and its EPA Identification Number.

b) Does your company have or has it in the past had a permit or permits issued pursuant to the Federal Water Pollution Control Act, 33 U.S.C. § 1251, et seq.? If "yes", please provide the years that your company held such a permit.

3) Did your company receive, utilize, manufacture, discharge, release or dispose of any materials containing the following substances:

	Yes	No
2,3,7,8 tetrachlorodibenzo-p-dioxin or other dioxin compounds		✓
Benzo(a)anthracene		✓
Di-n-butyl phthalate		✓
Fluoranthene		✓
Phenanthrene		✓
Pyrene		✓
Tetrachloroethane		✓
Toluene		✓
Xylene		✓
Ethyl benzene		✓
Arsenic		✓
Cadmium		✓
Chromium		✓
Copper		✓
Lead		✓
Mercury		✓

FNA000043

946030393

Nickel
Silver
Zinc
Cyanide
PCBs

4) a) Provide a description of the manufacturing processes for which all hazardous substances, including, but not limited to, the substances listed in response to item (3), were a product or by-product.

b) During what parts of the manufacturing processes identified in the response to items (4)(a), above, were hazardous substances, including, but not limited to, the substances listed in response to item (3), generated?

i) Describe the chemical composition of these hazardous substances.

ii) For each process, what amount of hazardous substances was generated per volume of finished product?

iii) Were these hazardous substances combined with wastes from other processes? If so, wastes from what processes?

5) Describe the methods of collection, storage, treatment, and disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3) and (4). Include information on the following:

a) Identify all persons who arranged for and managed the processing, treatment, storage and disposal of hazardous substances.

b) If hazardous substances were taken off-site by a hauler or transporter, provide the names and addresses of the waste haulers and the disposal site locations.

c) Describe <u>all</u> storage practices employed by your company with respect to all hazardous substances from the time operations commenced until the present. Include all on-site and off-site storage activities.

i) If drums were stored outside, were the drums stored on the ground or were they stored on areas that had been paved with asphalt or concrete? Please provide a complete description of these storage areas.

ii) When drums were stored outside, were empty drums segregated from full drums?

FNA000044

946030394

d) What processes do you use to treat your waste? What do you do with the waste after it is treated?

6) a) For process waste waters generated at the facility which contained any hazardous substances, including, but not limited to, the substances listed in response to item (3) and (4):

i) Was the waste stream discharge into a sanitary sewer and if so, during what years?

ii) Were they treated before being discharged to the sanitary sewer and if so, how? Please be specific.

iii) If the waste waters were not discharged to the sanitary sewer, where were they disposed and during what years?

iv) Please provide the results of any analyses performed on any waste process streams generated at the facility.

b) For floor drains or other disposal drains at the facility:

i) Did the drains connect to a sanitary sewer and if so, during what years?

ii) If the floor drains or other disposal drains at the facility were not discharged to the sanitary sewer, where did they discharge and during what years?

c) i) Did any storm sewers, catch basins or lagoons exist at any time at the facility and if so, during what years?

ii) If catch basins or lagoons existed, were they lined or un-lined?

iii) What was stored in the lagoons?

iii) Where was the discharge from any of these structures released and during what years? Was this discharge treated before its release and if so, how and during what years? What was the chemical composition of any waste waters released, and during which years?

d) Please supply diagrams of any waste water collection, transport or disposal systems on the property.

FNA000045

046030395

7) a) For each hazardous substances, including, but not limited to, the substances listed in response to item (3) or identified in the responses to item (4), above, provide the total amount generated during the operation of the facility on an annual basis.

b) Were any hazardous substances, including, but not limited to, the substances listed in response to item (3) or identified in the responses to item (4), above, disposed of in the Passaic River or discharged to the Passaic River? If yes, identify the hazardous substances, estimate the amount of material discharged to or disposed of in the Passaic River and the frequency with which this discharge or disposal occurred. Also please include any sampling of the river which you might have done after any discharge or disposal.

8) Please identify any leaks, spills, explosions, fires or other incidents of accidental material discharge that occurred at the facility during which or as a result of which any hazardous substances, including, but not limited to, the substances listed in response to item (3) or (4), were released on the property, into the waste water or storm drainage system at the facility or to the Passaic River. Provide any documents or information relating to these incidents, including the ultimate disposal of any contaminated materials.

a) Please provide the results of any sampling of the soil, water, air or other media after any such incident and before and after clean-up. Please provide in this information all sampling performed for or by NJDEP.

b) Also, EPA has information relating to spillage observed in 1990, relating to your company's practice of washing drums out at the site. Please provide all information relating to these spills and with these practices and any measures taken to mitigate the impact of the spills. In addition, describe how any wash water was disposed of once the drums had been washed out.

9) a) Was your facility ever subject to flooding. If so, was the flooding due to:

i) overflow from sanitary or storm sewer back-up, and/or

ii) flood overflow from the Passaic River?

b) Please provide the date and duration of each flood event.

10) Please provide a detailed description of any civil, criminal or administrative proceedings against your company for violations of any local, State or federal laws or regulations

FNA000046

946030396

storage, transport or disposal. Provide copies of all pleadings and depositions or other testimony given in these proceedings.

11) Provide a copy of each document which relates to the generation, purchase, use, handling, hauling, and/or disposal of all hazardous substances, including, but not limited to, the substances listed in response to item (3) or (4). If you are unable to provide a copy of any document, then identify the document by describing the nature of the document (e.g. letter, file memo, invoice, inventory form, billing record, hazardous waste manifest, etc.). Describe the relevant information contained therein. Identify by name and job title the person who prepared the document. If the document is not readily available, state where it is stored, maintained, or why it is unavailable.

12) a) Did you or anyone else sample the soil, ground water, surface water, ambient air or other environmental media at the facility for purposes other than those identified in questions above?

b) If so, please provide all other documents pertaining to the results of these analyses.

13) a) Has your company owned the facility at the location designated above? If so, from whom did your company purchase the property and in what year? If your company subsequently sold the property, to whom did your company sell it and in what year? Please provide copies of any deeds and documents of sale.

b) If your company did not own the facility, from whom did your company rent the facility and for what years? Please provide copies of any rental agreements.

c) To the extent that you know, please provide the names of all parties who owned or operated the facility during the period from 1940 through the present. Describe the relationship, if any, of each of those parties with your company.

14) Answer the following questions regarding your business or company. In identifying a company that no longer exists, provide all the information requested, except for the agent for service of process. If your company did business under more than one name, list each name.

a) State the legal name of your company.

b) State the name and address of the president or the chairman of the board, or other presiding officers of your company.

FNA000047

946030397

c) Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New Jersey.

d) Provide a copy of your company's "Certificate of Incorporation" and any amendments thereto.

e) If your company is a subsidiary or affiliate of another company, or has subsidiaries, or is a successor to another company, identify these related companies. For each related company, describe the relationship to your company; indicate the date and manner in which each relationship was established.

f) Identify any predecessor organization and the dates that such company became part of your company.

g) Identify any other companies which were acquired by your company or merged with your company.

h) Identify the date of incorporation, state of incorporation, agents for service of process in the state of incorporation and New Jersey, and nature of business activity, for each company identified the responses to items (14)(e), (f), and (g), above.

i) Identify all previous owners or parent companies, address, and the date change in ownership occurred.

15) Provide the name, address, telephone number, title and occupation of the person(s) answering this "Request for Information" and state whether such person(s) has personal knowledge of the responses. In addition, identify each person who assisted in any way in responding to the "Request for Information" and specify the question to which each person assisted in responding. Please include any the names and addresses of former employees who were contacted to respond to any of the questions.

FNA000048

946030398

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of New Jersey

County of Essex:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or the company's response thereto should become known or available to the company.

MELVIN NEZER

NAME (print or type)

PRES.

TITLE (print or type)

SIGNATURE

Sworn to before me this 3rd day of June, 1996

Notary Public

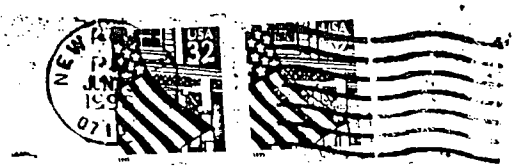
STEVEN J. ROSENBAUM
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES DEC. 23, 1998
12/23/98

FNA000049

946030399

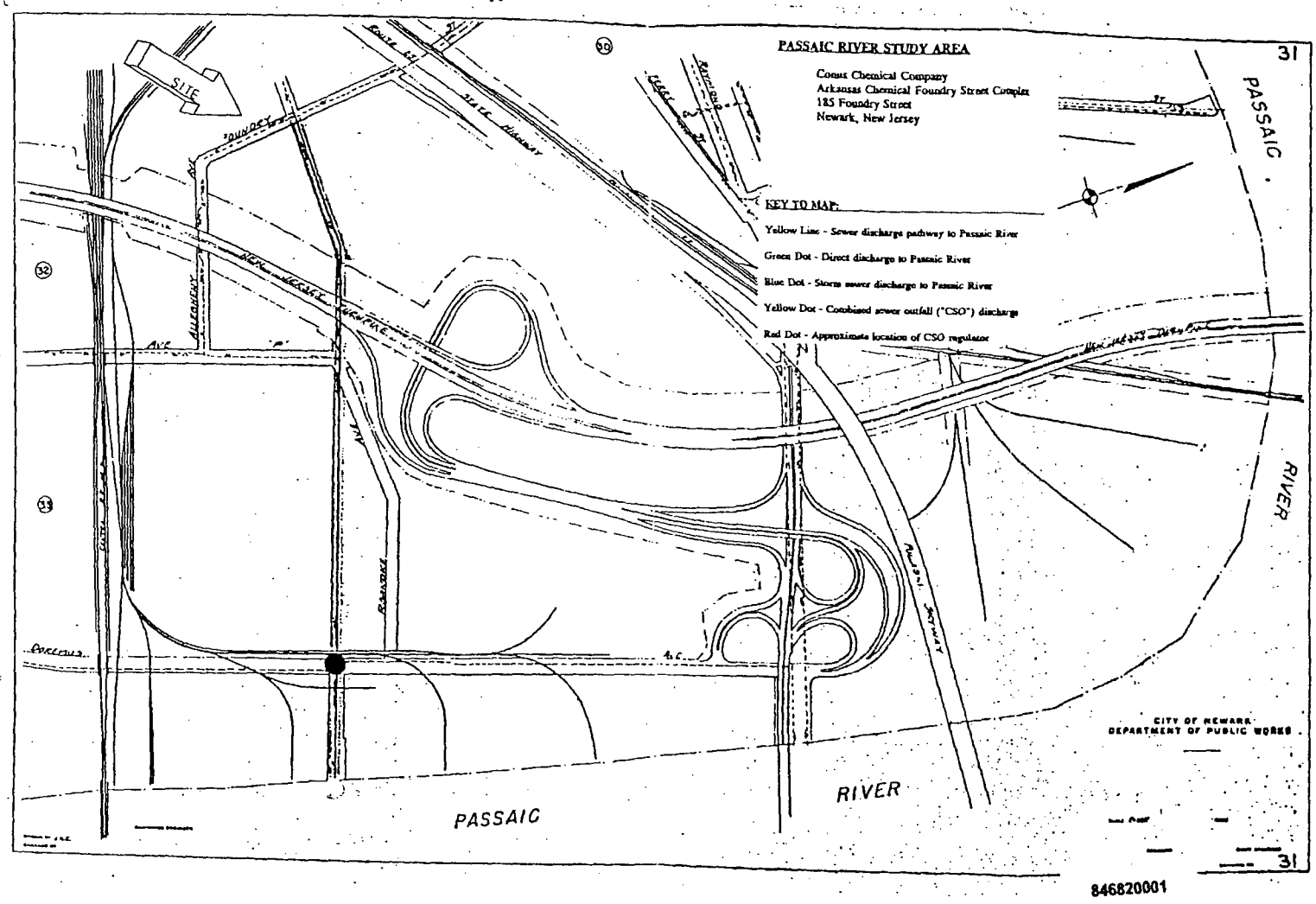
AVON DRUM CO., INC.
955 SO. SPRINGFIELD AVE., 604
SPRINGFIELD, NJ 07081
201-379-9072-3

946030400



Ms. Amelia Wagner
EM. & R. R.D.
U.S.E.P.A.
2 Ho Broadway
New York, N.Y. 10007

FNA000050



946030402

FNA000051

Decide with Confidence

Comprehensive Report

To save report(s) to your PC, click here for instructions.

Print this Report

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

ATTN: **EE_LPRSA7**

Report Printed: JAN 31 2006

Overview

BUSINESS SUMMARY

NORPAK CORP
70 Blanchard St
Newark, NJ 07105

D&B D-U-N-S Number: 10-623-4800

Now Included with this Report NEW!

D&B's Credit Limit Recommendation
How much credit should you extend?
Learn More — **View Now**

Payment Trends Profile
Payment trends and industry benchmarks
Jump to Payment Trends

This is a **single** location.

Web site:	www.norpak.net
Telephone:	973 589-4200
Fax:	973 578-8845
Chief executive:	ANTHONY CORACI, PRES-TREAS
Year started:	1980
Employs:	70
History:	CLEAR
SIC:	2671

Credit Score Class: 2

Moderate risk of severe payment delinquency over next 12 months

High — Moderate — Low

5 4 3 2 1

Financial Stress Class: 1

Low risk of severe financial stress over the next 12 months

High — Moderate — Low

5 4 3 2 1

FNA000052

946030404

Line of business: Mfg packaging paper/film

12-Month D&B PAYDEX®: 79

When weighted by dollar amount, payments to suppliers average 2 days beyond terms.

D&B Rating: **1R2**

Number of employees: 1R is **10 or more** employees.

Composite credit appraisal: 2 is **good**.

D&B EXCLUSIVE

EXECUTIVE SUMMARY

The **Financial Stress Class of 1** for this company shows that during the previous year, firms with this classification had a failure rate of 0.49% (49 per 10,000), which is lower than the national average.

The **Credit Score class of 2** for this company shows that during the previous year, 4.7% of the firms with this classification paid one or more bills severely delinquent, which is lower than the national average.

Predictive Scores	This Business	Comments
Financial Stress Class	1	Failure Rate lower than the national average
Financial Stress Score	1452	Highest Risk: 1,001; Lowest Risk: 1,850
Credit Score Class	2	Probability of Severely Delinquent Payment is lower than the national average.
Other Key Indicators		
PAYDEX Scores	2 days beyond terms	Pays more promptly than the average for its industry of 9 days beyond terms
Industry Median	9 days beyond terms	
Present management control	26 years	
UCC Filings	UCC filing(s) are not reported for this business	
Public Filings	No record of open Suit(s), Lien(s), or Judgment(s) in the D&B database	
History	Is clear	

CREDIT CAPACITY SUMMARY

D&B Rating: **1R2**

Number of employees: 1R indicates **10 or more** employees.

FNA000053

946030405

Composite credit appraisal: 2 is **good**.

The 1R and 2R ratings categories reflect company size based on the total number of employees for the business. They are assigned to business files that do not contain a current financial statement. In 1R and 2R Ratings, the 2, 3, or 4 creditworthiness indicator is based on analysis by D&B of public filings, trade payments, business age and other important factors. 2 is the highest Composite Credit Appraisal a company not supplying D&B with current financial information can receive. For more information, see the D&B Rating Key.

# of Employees Total:	70	**Payment Activity:** (based on 25 experiences)	
		Average High Credit:	$5,290
		Highest Credit:	$100,000
		Total Highest Credit:	$132,250

Jump to:

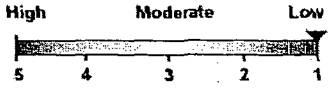
Overview | Payments | Public Filings | History & Operations | Banking & Finance

Scores D&B EXCLUSIVE

FINANCIAL STRESS SUMMARY

The Financial Stress Summary Model predicts the likelihood of a firm ceasing business without paying all creditors in full, or reorganization or obtaining relief from creditors under state/federal law over the next 12 months. Scores were calculated using a statistically valid model derived from D&B's extensive data files.

Financial Stress Class: 1



Low risk of severe financial stress, such as a bankruptcy, over the next 12 months.

Incidence of Financial Stress

Among Businesses with this Classification:	0.49% (49 per 10,000)
National Average	1.40% (140 per 10,000)

Financial Stress National Percentile: 62 (Highest Risk: 1; Lowest Risk: 100)

Financial Stress Score: 1452 (Highest Risk: 1,001; Lowest Risk: 1,850)

The Financial Stress Class of this business is based on the following factors:

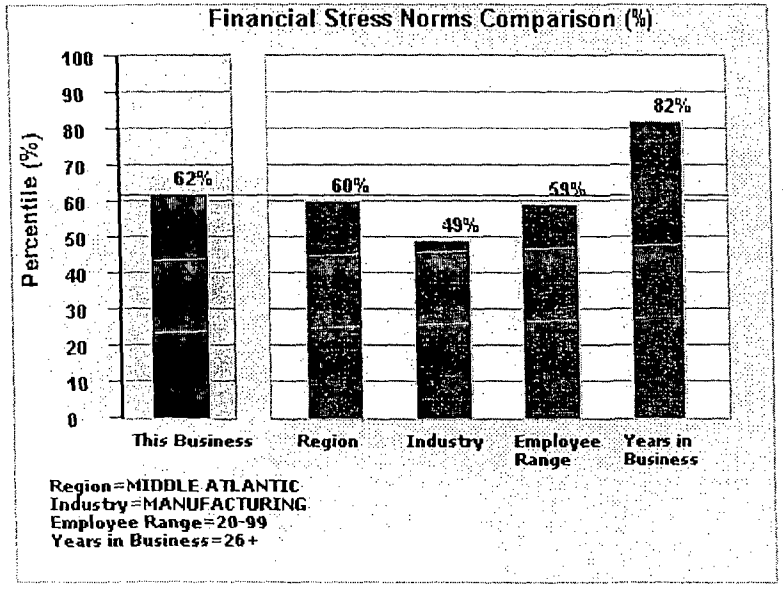
FNA000054

946030406

- No record of open suit(s), lien(s), or judgement(s) in the D&B files.
- 20% of trade experiences indicate slow payment(s) are present.

Notes:

- The Financial Stress Class indicates that this firm shares some of the same business and financial characteristics of other companies with this classification. It does not mean the firm will necessarily experience financial stress.
- The Incidence of Financial Stress shows the percentage of firms in a given Class that discontinued operations over the past year with loss to creditors. The Incidence of Financial Stress - National Average represents the national failure rate and is provided for comparative purposes.
- The Financial Stress National Percentile reflects the relative ranking of a company among all scorable companies in D&B's file.
- The Financial Stress Score offers a more precise measure of the level of risk than the Class and Percentile. It is especially helpful to customers using a scorecard approach to determining overall business performance.
- All Financial Stress Class, Percentile, Score and Incidence statistics are based on 2002.



Norms	National %
This Business	62
Region: **MIDDLE ATLANTIC**	60
Industry: **MANUFACTURING**	49
Employee Range: **20-99**	59
Years in Business: **26+**	82

This business has a Financial Stress Percentile that shows:

- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Higher risk than other companies with a comparable number of years in business.

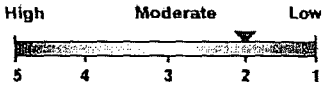
FNA000055

946030407

CREDIT SCORE CLASS SUMMARY

The Credit Score class predicts the likelihood of a firm paying in a severely delinquent manner (90+ Days Past Terms) over the next twelve months. It was calculated using statistically valid models and the most recent payment information in D&B's files.

Credit Score Class: 2



Moderate risk of severe payment delinquency over next 12 months.

Incidence of Delinquent Payment

Among Companies with this Classification: 4.70%

Credit Score Percentile: 81 (Highest Risk: 1; Lowest Risk: 100)

The Credit Score Class of this business is based on the following factors:

- Control age or date entered in D&B files indicates lower risk.
- No record of open suit(s), lien(s), or judgments(s) in the D&B files.
- Business does not own facilities.

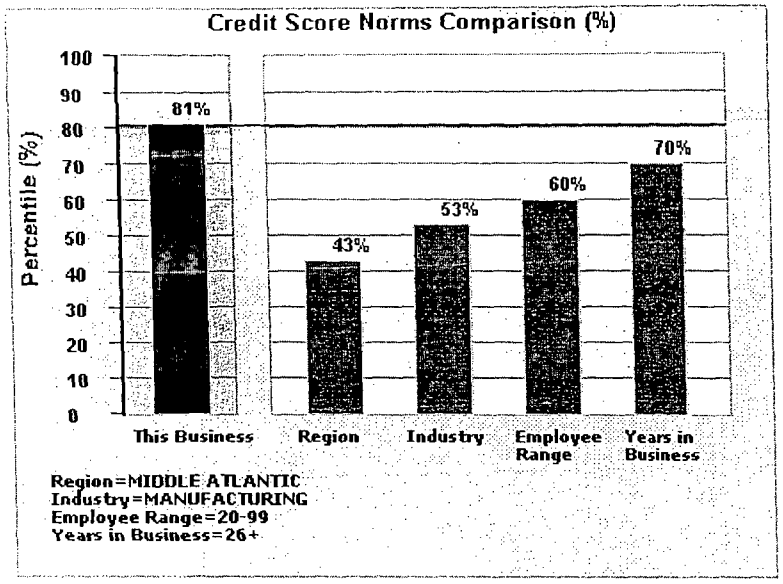
Notes:

- The Incidence of Delinquent Payment is the percentage of companies with this classification that were reported 90 days past due or more by creditors. The calculation of this value is based on an inquiry weighted sample.
- The Percentile ranks this firm relative to other businesses. For example, a firm in the 80th percentile has a lower risk of paying in a severely delinquent manner than 79% of all scorable companies in D&B's files.

Norms	National %
This Business	81
Region: **MIDDLE ATLANTIC**	43
Industry: **MANUFACTURING**	53
Employee Range: **20-99**	60
Years in Business:	70

FNA000056

946030408



26+

This business has a Credit Score Percentile that shows:

- Lower risk than other companies in the same region.
- Lower risk than other companies in the same industry.
- Lower risk than other companies in the same employee size range.
- Lower risk than other companies with a comparable number of years in business.

Jump to:

Overview | Scores | Public Filings | History & Operations | Banking & Finance

Payments ☑ D&B EXCLUSIVE

PAYMENT TRENDS

Total Payment Experiences in D&B's File:	25
Payments Within Terms: (not dollar weighted)	90%
Total Placed For Collection:	0
Average Highest Credit:	$5,290

Current PAYDEX is:	**79**	equal to 2 days beyond terms
Industry Median is:	**74**	equal to 9 days beyond terms
Payment Trend currently is:	↑	**up**, compared to payments three months ago

Indications of slowness can be the result of dispute over

FNA000057

946030409

Largest High Credit:	$100,000
Highest Now Owing:	$1,000
Highest Past Due:	$500

merchandise, skipped invoices, etc. Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed.

PAYDEX Scores

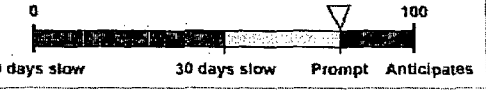
Shows the D&B PAYDEX scores as calculated on the most recent 3 months and 12 months of payment experiences.

The D&B PAYDEX is a unique, dollar weighted indicator of payment performance based on up to payment experiences as reported to D&B by trade references. A detailed explanation of how to read and interpret PAYDEX scores can be found at the end of this report.

3-Month D&B PAYDEX: 79
When weighted by dollar amount, payments to suppliers average 2 days beyond terms.

Based on payments collected over last 3 months.

12-Month D&B PAYDEX: 79
When weighted by dollar amount, payments to suppliers average 2 days beyond terms.



Based on payments collected over last 12 months.

PAYDEX Yearly Trend

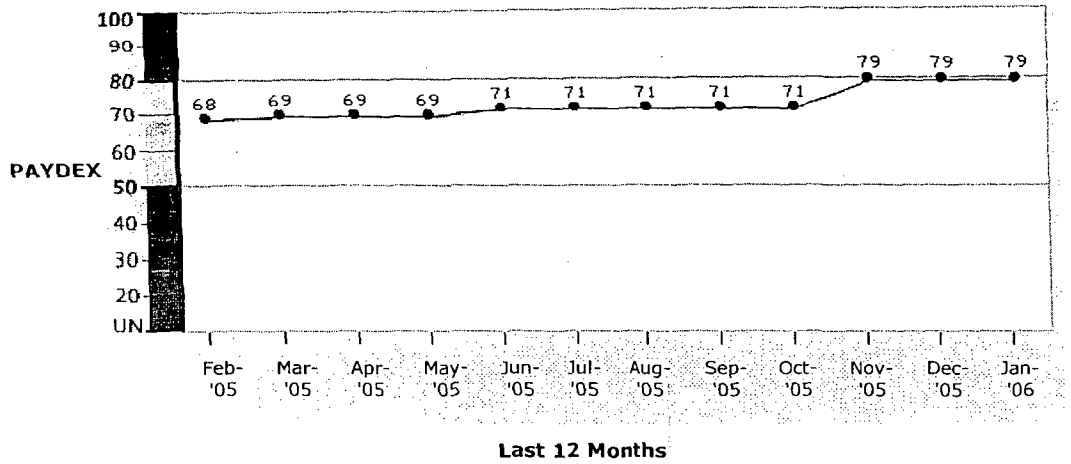
12 Month PAYDEX Scores Comparison to Industry

	2/05	3/05	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06
This Business	68	69	69	69	71	71	71	71	71	79	79	79
Industry Quartiles												
Upper		79			79			79			79	
Median		74			74			74			74	
Lower		66			67			67			66	

Shows the trend in D&B PAYDEX scoring over the past 12 months.

FNA000058

946030410



Last 12 Months

Based on payments collected over the last 12 months.

- Current PAYDEX for this Business is 79, or equal to 2 days beyond terms
- The 12-month high is **79**, or equal to 2 days beyond terms
- The 12-month low is **68**, or equal to 17 days beyond terms

PAYDEX Comparison to Industry

Shows PAYDEX scores of this Business compared to the Primary Industry from each of the last four quarters. The Primary Industry is Mfg packaging paper/film, based on SIC code 2671.

Quarterly PAYDEX Scores Comparison to Industry

Previous Year

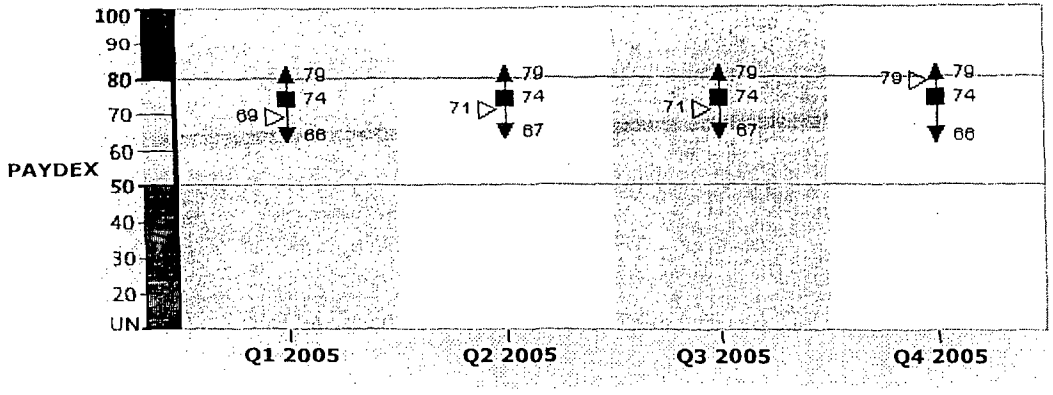
	3/04	6/04	9/04	12/04
This Business	84	80	67	68
Industry Quartiles				
Upper	79	79	79	79
Median	73	74	74	74
Lower	65	65	65	65

Current Year

	3/05	6/05	9/05	12/05
This Business	69	71	71	79
Industry Quartiles				
Upper	79	79	79	79
Median	74	74	74	74
Lower	66	67	67	66

FNA000059

946030411



Last 12 Months

Based on payments collected over the last 4 quarters.

Score Comparison Key:	▷ This Business	▲ Industry upper quartile
		■ Industry median
		▼ Industry lower quartile

- Current **PAYDEX** for this Business is **79**, or equal to 2 days beyond terms
- The present industry **median score** is **74**, or equal to 9 days beyond terms.

- Industry upper quartile represents the performance of the payers in the 75th percentile
- Industry lower quartile represents the performance of the payers in the 25th percentile

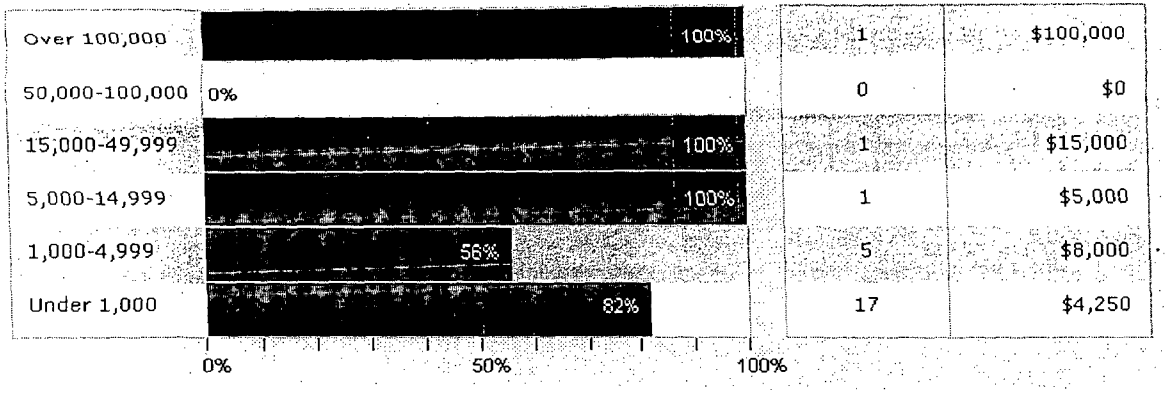
Payment Habits

For all payment experiences within a given amount of credit extended, shows the percent that this Business paid within terms. Provides number of experiences used to calculate the percentage, and the total dollar value of the credit extended.

$ Credit Extended	% of Payments Within Terms	# Payment Experiences	$ Total Dollar Amount

FNA000060

946030412



Based on payments collected over the last 12 months.

Payment experiences reflect how bills are met in relation to the terms granted. In some instances, payment beyond terms can be the result of disputes over merchandise, skipped invoices, etc.

PAYMENT SUMMARY

The Payment Summary section reflects payment information in D&B's file as of the date of this report.

There are 25 payment experiences in D&B's file for the most recent 12 months, with 16 experiences reported during the last three month period.

Below is an overview of the company's dollar-weighted payments, segmented by its suppliers' primary industries:

	Total Rcv'd (#)	Total Dollar Amts ($)	Largest High Credit ($)	Within Terms (%)	Days Slow <31 (%)	31-60 (%)	61-90 (%)	90> (%)
Top industries:								
Trucking non-local	5	3,000	1,000	75	25	0	0	0
Short-trm busn credit	3	1,100	1,000	98	2	0	0	0
Nonclassified	2	15,100	15,000	100	0	0	0	0
Mfg organic fibers	1	100,000	100,000	100	0	0	0	0
Mfg inorganic chemcls	1	5,000	5,000	100	0	0	0	0
Whol electrical equip	1	2,500	2,500	100	0	0	0	0
Truck rental/leasing	1	2,500	2,500	0	100	0	0	0
Whol chemicals	1	1,000	1,000	0	100	0	0	0
Misc business credit	1	500	500	100	0	0	0	0
Ret mail-order house	1	500	500	100	0	0	0	0
Data processing svcs	1	500	500	100	0	0	0	0
Misc publishing	1	100	100	100	0	0	0	0

FNA000061

946030413

Mfg air/gas compress	1	100	100	100	0	0	0	0
Misc business service	1	100	100	100	0	0	0	0
Executive office	1	100	100	100	0	0	0	0
Telephone communictns	1	50	50	100	0	0	0	0
Whol office supplies	1	50	50	100	0	0	0	0
Whol electronic parts	1	50	50	100	0	0	0	0
Other payment categories:								
Cash experiences	0	0	0					
Payment record unknown	0	0	0					
Unfavorable comments	0	0	0					
Placed for collections:								
With D&B	0	0	0					
Other	0	N/A	0					
Total in D&B's file	25		100,000					

The highest **Now Owes** on file is $1,000 The highest **Past Due** on file is $500

Accounts are sometimes placed for collection even though the existence or amount of the debt is disputed. Indications of slowness can be result of dispute over merchandise, skipped invoices, etc.

PAYMENT DETAILS

Detailed payment history

Date Reported (mm/yy)	Paying Record	High Credit ($)	Now Owes ($)	Past Due ($)	Selling Terms	Last Sale Within (months)
01/06	Ppt	1,000	0	0	N30	6-12 mos
12/05	Ppt	100,000	500	0		1 mo
	Ppt	2,500	1,000	0	N30	1 mo
	Ppt	1,000	1,000	0		1 mo
	Ppt	750	0	0		6-12 mos
	Ppt	500	50		Lease Agreemnt	
	Ppt	500	0	0	N30	1 mo
	Ppt	500	100	0		1 mo
	Ppt	100	0	0		2-3 mos
	Ppt	100	0	0		1 mo
	Ppt	100	50	0		1 mo
	Ppt	50	0	0		6-12 mos
	Ppt	50	50	0		1 mo
	Ppt-Slow 30	50	0	0		1 mo

FNA000062

946030414

	Slow 20	2,500	0	0		1 mo
11/05	Ppt-Slow 30	500	0	0		6-12 mos
10/05	Ppt	100				6-12 mos
09/05	Slow 5	1,000	500	0	N30	1 mo
08/05	Ppt	100	0	0		6-12 mos
03/05	Ppt	50	0	0		6-12 mos
02/05	Ppt	5,000	0	0		6-12 mos
	Ppt	50	0	0		6-12 mos
01/05	Ppt	250	0	0		6-12 mos
12/04	Ppt	15,000	0	0	N30	6-12 mos
11/04	Slow 30	500	500	500	N30	

Payment experiences reflect how bills are met in relation to the terms granted. In some instances payment beyond terms can be the result of disputes over merchandise, skipped invoices etc.

Each experience shown is from a separate supplier. Updated trade experiences replace those previously reported.

Jump to:

Overview | Scores | Payments | History & Operations | Banking & Finance

Public Filings

PUBLIC FILINGS

A check of D&B's public records database indicates that no filings were found for NORPAK CORP at 70 Blanchard St, Newark NJ.

D&B's extensive database of public record information is updated daily to ensure timely reporting of changes and additions. It includes business-related suits, liens, judgments, bankruptcies, UCC financing statements and business registrations from every state and the District of Columbia, as well as select filing types from Puerto Rico and the U.S. Virgin Islands.

D&B collects public records through a combination of court reporters, third parties and direct electronic links with federal and local authorities. Its database of U.S. business-related filings is now the largest of its kind.

GOVERNMENT ACTIVITY

Activity summary

Borrower (Dir/Guar):	NO
Administrative debt:	NO
Contractor:	NO
Grantee:	NO
Party excluded from federal program(s):	NO

Possible candidate for socio-economic program consideration

FNA000063

946030415

Labor surplus area:	YES (2005)
Small Business:	YES (2006)
8(A) firm:	N/A

The details provided in the Government Activity section are as reported to Dun & Bradstreet by the federal government and other sources.

Jump to:

Overview | Scores | Payments | Public Filings | Banking & Finance

History & Operations

HISTORY

The following information was reported **10/19/2004**:

Officer(s): ANTHONY CORACI, PRES-TREAS
VINCENT J CORACI, CHB-SEC

DIRECTOR(S): THE OFFICER(S) and .

Business started 1980 by the officers. 100% of capital stock is owned by Anthony Coraci.

According to a published reported dated April 4, 1996, Anthony Coraci, pres-treas of Norpak Corp, pleaded guilty to charges he conspired to bribe an IRS agent $12,000 in exchange for approving more than $1 million in questionable deductions on the company's corporate tax return. According to authorities, the IRS agent had raised questions about more than $1 million in deductions Norpak had claimed for environmental expenses and maintenance, which would have generated a substantial tax assessment against the firm. The case is filed with the U S District Court, Newark, NJ, Case #2:96CR00063.

ANTHONY CORACI born 1929. 1950 to 1952 active with father Vincent J Coraci in De Rio Manufacturing Co which was merged in 1952 into Newark Paraffine Paper Co, predecessor of Norpak Corp. 1952-80 active here. 1980 to present president of the company.

VINCENT J CORACI born 1906. 1937 to 1948 principal in Ace Brown Co Inc, Brooklyn, NY; company was sold 1948. 1948 to 1952 principal in De Rio Manufacturing which in 1952 merged into Newark Paraffine Paper Co, predecessor of Norpak Corp. 1952-present active here, with no stock ownership.

AFFILIATE:
The following are related through common ownership and/or financial interest: D S C Of Newark (Inc), Newark, NJ, started 1964. DUNS #-061-5842. Operates as real estate holding company for the property at this address. Intercompany relations are confined to landlord and tenant relationship.

BUSINESS REGISTRATION

CORPORATE AND BUSINESS REGISTRATIONS PROVIDED BY MANAGEMENT OR OTHER SOURCE

FNA000064

946030416

The Corporate Details provided below may have been submitted by the management of the subject business and may not have been verified with the government agency which records such data.

Registered Name: Norpak Corp

Business type: CORPORATION
Corporation type: PROFIT
Date incorporated: APR 03 1976
State of incorporation: DELAWARE

Common stock
Authorized shares: 3,000
Par value: $0.0100

Preferred stock
Authorized shares: 2,000
Par value: $0.0100

Where filed: Secretary of State, Dover, DE

OPERATIONS

10/19/2004

Description: Manufactures coated and laminated packaging paper, specializing in waterproof or coated wrapping paper and waxed or laminated bread wrappers (100%).

Terms are Terms are net 30 days. Has 320 account(s). Sells to wholesale. Territory : United States.

Nonseasonal.

Employees: 70 which includes officer(s). Employees vary with workload.

Facilities: Rents 140,000 sq. ft. in a multi story brick building.

Location: Industrial section on side street.

SIC & NAICS

SIC:
Based on information in our file, D&B has assigned this company an extended 8-digit SIC. D&B's use of 8-digit SICs enables us to be more specific to a company's operations than if we use the standard 4-digit code.

The 4-digit SIC numbers link to the description on the Occupational Safety & Health Administration (OSHA) Web site. Links open in a new browser window.

26719907 Wrapping paper, waterproof or

NAICS:
322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing
322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing

FNA000065

946030417

26719901 coated Bread wrappers, waxed or laminated: purchased material

Jump to:

Overview | Scores | Payments | Public Filings | History & Operations

Banking & Finance

BANKING

First Union Bank, Newark, NJ

KEY BUSINESS RATIOS

D&B has been unable to obtain sufficient financial information from this company to calculate business ratios. Our check of additional outside sources also found no information available on its financial performance.
To help you in this instance, ratios for other firms in the same industry are provided below to support your analysis of this business.

Based on this number of establishments: 13

Industry Norms based on 13 establishments

	This Business	Industry Median	Industry Quartile
Profitability			
Return on Sales	UN	1.5	UN
Return on Net Worth	UN	10.1	UN
Short-Term Solvency			
Current Ratio	UN	1.7	UN
Quick Ratio	UN	0.8	UN
Efficiency			
Assets Sales	UN	65.6	UN
Sales / Net Working Capital	UN	6.9	UN
Utilization			
Total Liabs / Net Worth	UN	229.6	UN

UN = Unavailable

FINANCE

FNA000066

946030418

10/19/2004

Sources contacted verified information on Oct 18, 2004.

CUSTOMER SERVICE

If you have questions about this report, please call our Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. If you are outside the U.S. contact your local D&B office.

*** Additional Decision Support Available ***

Additional D&B products, monitoring services and specialized investigations are available to help you evaluate this company or its industry. Call Dun & Bradstreet's Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. or visit our website at www.dnb.com.

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

FNA000067

946030419

Decide with Confidence

Comprehensive Report

To save report(s) to your PC, click here for instructions. Print this Report

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

ATTN: **EE_LPRSA7** Report Printed: JAN 31 2006

Overview

BUSINESS SUMMARY

AVON DRUM CORP
200 Springfield Ave
Springfield, NJ 07081

D&B D-U-N-S Number: 07-515-4948

Now Included with this Report NEW!

D&B's Credit Limit Recommendation
How much credit should you extend?
Learn More **View Now**

Rating Change

Our information indicates this business is no longer active at this location. If you have reason to believe this business is currently operating, please call our Customer Service Center at the phone number listed below to request an investigation.

This is a **single** location.

Telephone:	973 379-9072
Chief executive:	ELAINE NELKIN, PRES
Employs:	1
History:	INCOMPLETE
SIC:	5085
Line of business:	Wholesales new & reconditioned drums

Credit Score Class: 0
This business's credit score of 0 means it is in open bankruptcy, has discontinued operating at this location or cannot be scored.

Financial Stress Class: 0
This business's financial stress score of 0 means it is in open bankruptcy, has discontinued operating at this location or cannot be scored.

D&B Rating: **NQ**
Formerly
--

CREDIT CAPACITY SUMMARY

D&B Rating:NQ

The NQ rating stands for Not Quoted. This is generally assigned when a business has been confirmed as no longer active at the location, or when D&B is unable to confirm active operations. It may also appear on some branch reports, when the branch is located in the same city as the headquarters. For more information, see the D&B Rating Key.

# of Employees Total: 1

FNA000068

SPECIAL EVENTS

946030421

08/13/2003

As of Aug 4, 2003, operations of this business at this location could not be confirmed.

Jump to:

Overview | Payments | Public Filings | History & Operations | Banking & Finance

Scores D&B EXCLUSIVE

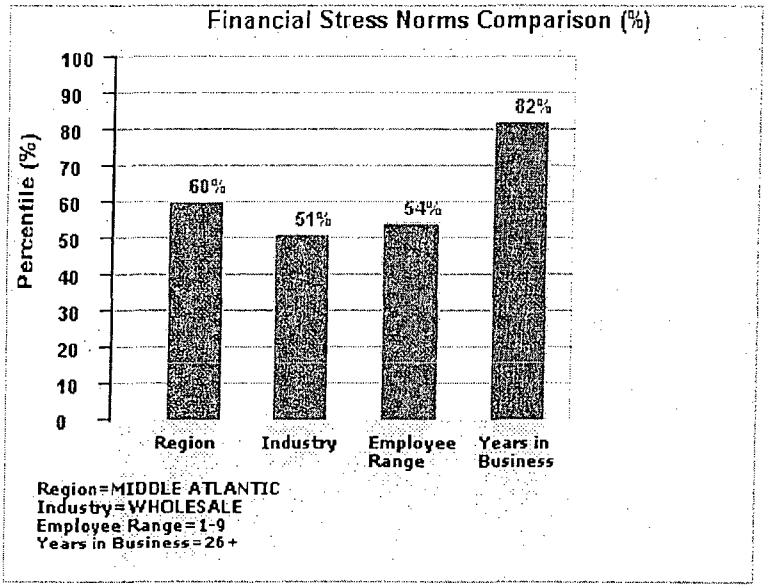
FINANCIAL STRESS SUMMARY

Based on information in D&B's data files, the FINANCIAL STRESS CLASS for this business is 0. This means the company is either OPEN BANKRUPTCY, DISCONTINUED OPERATING AT THIS LOCATION, or cannot be scored. See SPECIAL EVENTS for details.

Financial Stress Norms are provided in the next section to support your analysis of other accounts you may have with similar demographic characteristics as the subject company.

You may also wish to order full reports on these firms for a more thorough review of their risk profile.

There are no financial stress comments for this case.



Norms	National %
This Business	N/A
Region: **MIDDLE ATLANTIC**	60
Industry: **WHOLESALE**	51
Employee Range: **1-9**	54
Years in Business: **26+**	82

Notes:

- Financial Stress statistics are derived using D&B's Stress Model. This model uses mathematical probabilities to determine the likelihood of a business experiencing financial stress within a twelve month period. Companies experiencing financial stress are those that terminate operations without paying all creditors in full, or reorganize or obtain relief from creditors under state or federal law.
- Based on 2001 failure statistics.
- Percentiles are based on a 100 point scale.
- The National Percentile reflects the relative ranking of a company among all scorable companies in D&B's file.

CREDIT SCORE CLASS SUMMARY

Based on information in D&B's data files, the CREDIT SCORE CLASS for this business is 0. This means the company is either OPEN BANKRUPTCY, DISCONTINUED OPERATING AT THIS LOCATION, or cannot be scored. See SPECIAL EVENTS for details.

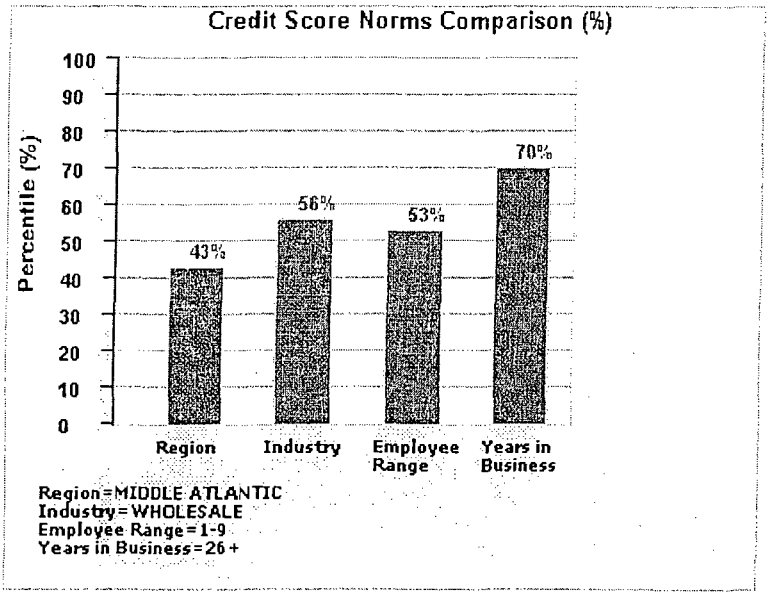
Credit Score Norms are provided in the next section to support your analysis of other accounts you may have with similar demographic characteristics as the subject company.

FNA000069

946030422

You may also wish to order full reports on these firms for a more thorough review of their risk profile.

There are no credit score comments for this case.



Norms	National %
This Business	N/A
Region: **MIDDLE ATLANTIC**	43
Industry: **WHOLESALE**	56
Employee Range: **1-9**	53
Years in Business: **26+**	70

Notes:

- Credit Score predicts the likelihood of a firm paying in a severely delinquent manner (90+ Days Past Terms) over the next twelve months. It was calculated using statistically valid models and the most recent payment information in D&B's files.
- Percentiles are based on a 100 point scale.
- The percentile ranks a firm relative to other businesses. For example, a typical company located in a specific geographic region that is in the 80th percentile nationwide is a better risk than 79% of the total population of scored companies in D&B's files.

Jump to:

Overview | Scores | Public Filings | History & Operations | Banking & Finance

Payments D&B EXCLUSIVE

PAYMENTS

D&B has not received a sufficient sample of payment experiences to establish a PAYDEX score.

D&B receives nearly 400 million payment experiences each year. We enter these new and updated experiences into D&B Reports as this information is received. At this time, none of those experiences relate to this company.

Jump to:

Overview | Scores | Payments | History & Operations | Banking & Finance

Public Filings

PUBLIC FILINGS

The following data includes both open and closed filings found in D&B's database on the subject company.

Record Type	# of Records	Most Recent Filing Date
Bankruptcy Proceedings	0	-
Judgments	0	-

FNA000070

Liens	0	-
Suits	1	05/12/1994
UCC's	0	-

The following Public Filing data is for information purposes only and is not the official record. Certified copies can only be obtained from the official source.

SUITS

Status:	**Settled**
DOCKET NO.:	SL-00003018-94
Plaintiff:	MICHAEL KRUS
Defendant:	AVON DRUM CO. AND OTHERS
Where filed:	SUPERIOR COURT OF UNION COUNTY, ELIZABETH, NJ
Date status attained:	06/26/1995
Date filed:	05/12/1994
Latest Info Received:	12/29/1995

If it is indicated that there are defendants other than the report subject, the lawsuit may be an action to clear title to property and does not necessarily imply a claim for money against the subject.

The public record items contained in this report may have been paid, terminated, vacated or released prior to the date this report was printed.

Jump to:
Overview | Scores | Payments | Public Filings | Banking & Finance

History & Operations

HISTORY & OPERATIONS

D&B has researched this company and found no information available at this time.

Jump to:
Overview | Scores | Payments | Public Filings | History & Operations

Banking & Finance

BANKING & FINANCE

D&B has researched this company and found no information available at this time.

CUSTOMER SERVICE

If you have questions about this report, please call our Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. If you are outside the U.S. contact your local D&B office.

*** Additional Decision Support Available ***

Additional D&B products, monitoring services and specialized investigations are available to help you evaluate this company or its industry. Call Dun & Bradstreet's Customer Resource Center at 1.800.234.3867 from anywhere within the U.S. or visit our website at www.dnb.com.

FNA000071

946030424

Copyright 2006 Dun & Bradstreet - Provided under contract for the exclusive use of subscriber 263725069L

FNA000072

946030425