SDMS Document
93354

Lower Passaic River Study Area

DISCHARGE PRP CASES FOR THE LOWER PASSAIC RIVER STUDY AREA

VOLUME II of II

PRP EXTRACTION FORM AND EVIDENCE CONCERNING:

CAMPBELL FOUNDRY COMPANY

PREPARED FOR:

LOWER PASSAIC RIVER STUDY AREA
COOPERATING PARTIES GROUP

SUBMITTED TO:
USEPA REGION II

SEPTEMBER 22, 2006

DISCHARGE PRP CASES FOR THE LOWER PASSAIC RIVER STUDY AREA

CAMPBELL FOUNDRY COMPANY

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HUDSONENVIRONMENTAL**SERVICES** INC.
4 Mark Road, Suite C • Kenilworth, NJ 07033 • TEL (908) 686-5959 FAX (908) 686-5676

March 2, 1993

Mr. Bennett Barnes
NJDEPE
Division of Responsible Party Site Remediation
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
CN 028
Trenton, N.J. 08625-0028

Re: Campbell Foundry Company
2 Worthington Way
Harrison City, New Jersey
ECRA Case# 92202

Dear Mr. Barnes:

This letter responds to the NJDEPE January 29, 1993 response to the December 1, 1992 Sampling Results Report for the referenced ECRA case. The purpose of this letter is to obtain general feedback on the use of alternative cleanup standards combined with institutional controls (use restrictions) at the referenced site.

Hudson Environmental Services has learned that the site property owner, Campbell Foundry Company, and the current tenant and intended purchaser of the site, J & J Comprelli, Inc., agree to utilize use restrictions to gain compliance with environmental regulations.

A review of previous analytical data indicates the following:

1. PAH's, As, Cu, and PCB have been identified as contaminants at the site.

2. Although all results for Cd were not detected, results may be above the residential surface soil cleanup standard for Cd, because samples were analyzed with a Method Detection Limit (MDL) greater than the cleanup standard.

3. Lead was found in the backfill used to fill the former tank excavation.

4. The backfill in the former tank excavation was not analyzed for TPHC.

All previous samples were collected from subsurface soil. Because subsurface soil cleanup standards are based on the the potential mobility of contaminants to groundwater and intended for the protection of groundwater, results have been compared to subsurface soil standards and Impact to Groundwater Soil Cleanup Criteria. Sample parameters above subsurface soil cleanup standards and Impact to Groundwater Soil Cleanup Criteria include only Cu and As. Because these standards have not been approved for use by the NJDEPE a subsurface soil standard does not currently exits. For this reason, Hudson Environmental Services requests the NJDEPE to provide alternative cleanup standards for subsurface As, Cu, and Cd based on site specific conditions and use restrictions discussed below.

Use Restrictions Proposed:

A use restriction limiting the site to industrial use is proposed. This restriction will allow industrial cleanup standards to be used rather than residential cleanup standards. Industrial cleanup standards would eliminate Cd, and Pb, from the parameters which require evaluation at this site. Cd would be eliminated because results (all not detected) and the MDL for samples collected previously would be below the industrial (non-residential) cleanup standard. Pb would be eliminated because the sample result for Pb at sample C-2 would be below the industrial cleanup standard.

A use restriction limiting the disturbance of subsurface soil is proposed. This restriction will allow the use of site specific subsurface soil standards (set by NJDEPE as requested below) to be used rather than surface soil standards. Hudson Environmental Services expects these standards to be at or near previously proposed subsurface soil standards. Use of previously proposed subsurface soil standards would eliminate PAH's, and PCB contamination from the parameters which require cleanup at this site.

If both of the use restrictions listed above were implemented at the site, parameters which would still require cleanup include only As and Cu.

Alternate Cleanup Standards:

Relatively low levels of As and Cu exist at the site. The average concentration of As is 3.13 ppm, and the average concentration of Cu is 515.83 ppm (Average Cu results are below the residential surface soil cleanup standard). The majority of results for both parameters are below residential surface soil cleanup standards.

The residential surface soil standard for Cu is based on ecological (phytotoxicity) effects which are incompatible with subsurface soil conditions. An alternative cleanup standard is requested for this contaminant which is based on more representative factors such as impact to groundwater and human health. The location of the site is in a heavily industrialized area of Harrison, New Jersey, and ecologically sensitive areas will not be influenced by the subsurface soil contamination. The groundwater quality standard found in N.J.A.C. 7:9-6 for Cu in the Class II-A aquifer is substantially higher than other metals, therefore, in the absence of phytotixicity effects, a higher subsurface soil cleanup standard is expected for this compound. An alternative cleanup standard above 1,100 ppm will eliminate this contaminant from the parameters which require cleanup at this site.

The residential cleanup standard for As is based on its effect on human health using an incidental ingestion exposure pathway, and is limited by a practical quantitation level. Because the incidental ingestion of subsurface soil is much lower than in surface soil, an alternative cleanup standard is requested for this contaminant. An alternative cleanup standard above 7 ppm will eliminate this contaminant from the parameters which require cleanup at this site.

Hudson Environmental Services requests a calculation of site specific subsurface soil cleanup standards for: As, Cu, and Cd, given the implementation of use restrictions discussed.

If you have any questions regarding this submission, please do not hesitate to call me or Andrew Kondracki at (908) 686-5959.

Sincerely,

Paul C. McGalla
Project Engineer

cc: Mr. Robert Campbell
Mr. Kevin Coakley, Esquire
Mr. Joseph Comprelli
Mr. Joseph Super

REMEDIAL INVESTIGATION REPORT
CAMPBELL FOUNDRY WORTHINGTON SITE
2 WORTHINGTON WAY
HARRISON, NEW JERSEY
ISRA CASE # 92202

PREPARED FOR:

Mr. Joseph Comprelli
Mr. Joseph Supor
2 Worthington Way Corporation
221 Middlesex Street
Harrison, New Jersey 07029

designated by the prefix "AC" and sampled September 21, 1992, target

PREPARED BY:

Hudson Environmental Services, Inc.
4 Mark Road, Suite C
Kenilworth, New Jersey 07033

September 1995

INDUSTRIAL SITE RECOVERY ACT REGULATION CERTIFICATIONS

As set forth in NJAC 7:26B-1.13 (b) 1, the following certification shall be signed by the highest ranking individual with overall responsibility for that site or activity to which the information pertains. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site activity.

"I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 et seq., I am personally liable for the penalties set forth at N.J.S.A. 13:1K-13".

Sworn to and Subscribed Before Me
on this 15th
Date of September 1995
Dawn C. Lundrigan
Notary

DAWN C. LUNDRIGAN
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES FEB. 2, 2000

signature — date 9/15/95

Joseph Supor
name

V.P.
title

As set forth in NJAC 7:26B-1.13 (b) 2, the following certification shall be signed as follows:

For a corporation, by a principal executive officer of at least the level of vice president;

For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or

For a municipality, State, Federal or other public agency by either the principal executive officer or ranking elected official.

horizontal dimensions of the concrete have not been measured, but was found

"I certify under penalty of law that I have personally examined and am familiar with the information submitted herein 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 civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 et seq., I am personally liable for the penalties set forth at N.J.S.A. 13:1K-13".

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MY COMMISSION EXPIRES FEB. 2, 2000

signature — date 9/15/95

Joseph Comprelli
name

V.P.
title

REMEDIAL INVESTIGATION REPORT
CAMPBELL FOUNDRY WORTHINGTON SITE
ISRA CASE # 92202

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REMEDIAL INVESTIGATION REPORT
CAMPBELL FOUNDRY WORTHINGTON SITE
2 Worthington Way
Harrison, New Jersey
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CAMPBELL FOUNDRY WORTHINGTON SITE
REMEDIAL INVESTIGATION REPORT

1.0 *INTRODUCTION*

The Campbell Foundry (Worthington) site (the "Site") is located at 2 Worthington Way in Harrison, New Jersey. Campbell Foundry Company purchased the Site from Worthington Dresser Corporation in 1975. Since that time the Site has not been used by Campbell Foundry. On February 27, 1990 Mr. Joseph Comprelli and Mr. Joseph Supor entered a sales contract with Campbell Foundry for the Site. Since February 27, 1990 Mr. Joseph Comprelli has used the Site to store trucks and other equipment. Equipment maintenance or other operations are not conducted at the Site.

Campbell Foundry submitted an Industrial Site Recovery Act ("ISRA") Initial Notice to the New Jersey Department of Environmental Protection ("NJDEP") in early 1990. NJDEP required the initial notice to include Campbell Foundry's 800 Bergen Street site. Campbell Foundry withdrew from ISRA later in 1990 to determine if both sites were legally required to comply with ISRA simultaneously. A court action dated November 18, 1991 established that the Campbell Foundry properties were not contiguous and the ISRA case for the 2 Worthington Way property could be conducted without initiating ISRA at the 800 Bergen Street property. The ISRA case was re-initiated in 1992. Environmental work conducted at the Site to date is summarized on Table 1.

The sampling discussed in this report was completed in response to Hudson's April 4, 1995 Remedial Investigation Workplan and NJDEP's May 18, 1995 conditional approval letter, see Attachment 1.

The purpose of this report is to present the findings of soil sampling conducted on June 28 and 29, 1995. Observations made during the collection of samples, and the location, number, type, depth, and frequency of samples obtained during sampling activities are discussed. In each area of concern, the applicable current residential direct contact soil cleanup criteria, non-residential direct contact soil cleanup criteria, or impact to groundwater soil cleanup criteria have been used to determine compliance with ISRA. Analytical results are summarized and tabulated in the text and in tables within this volume. Reduced deliverables analytical reports have been included under separate cover with this submission.

2.0 *TECHNICAL OVERVIEW*

2.1 Reliability Of Laboratory Analytical Data

Veritech Analytical Services (NJ Certification #14622) was utilized for subcontracted analytical services. Evaluation of laboratory quality assurance quality control data indicates that samples were analyzed within holding times using proper analytical methods specified in the April 4, 1995 Remedial Investigation Workplan.

Hudson Environmental Services has evaluated laboratory deliverables, provided in Attachment 6, to insure they comply with NJDEP's "Technical Requirements for Site Remediation" requirements.

2.1.1 Handling and Holding Times

Soil samples AO5-E, DC-2, DE-1, DE-2, DE-3, DE-4, DF-1, and DF-3 were collected June 28-29, 1995. The samples were held in Hudson's sample refrigerator overnight and picked up and delivered to Veritech Laboratory in a chilled cooler by On-time Courier Service on June 29, 1995. All soil samples were delivered to the state certified laboratory within the 48-hour handling time set by NJDEP in the "Technical Requirements for Site Remediation."

Soil samples were analyzed for copper ("Cu"), PAH, and PCBs. Sample holding times did not exceed the maximum holding time of 14 days for PAH extraction (Method SW-846), 180 days for Cu, and 14 days for PCB.

2.1.2 Ability to Achieve Method Detection Limits ("MDLs")

Method detection limits ("MDLs") for soil samples DC-2E and DF-1 are above residential direct contact soil cleanup criteria for PAH. The method detection limits exceeded the residential direct contact soil cleanup criteria because the dilution factor used when analyzing the samples was increased to obtain results.

All MDLs for soil sample AO-5E are below residential and non-residential direct contact soil cleanup criteria, and impact to groundwater soil cleanup criteria.

2.1.3 Precision and Accuracy Criteria

The reduced deliverables report of analysis package provides precision and accuracy criteria for sample analysis (refer to Attachment 2).

2.2 Summary of Site Contamination

Hudson has conducted four rounds of sampling at the Site. In the first round, designated by the prefix "AO" and sampled September 21, 1992, target parameters were identified from soil samples analyzed for priority pollutants plus forty ("PP+40") analysis. The parameters identified above residential direct contact and impact to groundwater soil cleanup criteria include PAHs, PCBs, and copper with lead also found but only within the former UST vault. The second round of soil samples, designated by the prefix "DA" and sampled December 9, 1993 attempted to delineate these target parameters. A third round of "at-peril" soil samples, designated by the prefix "DB" and sampled February 4, 1994 was required for additional delineation. Additional delineation of the area was accomplished by a forth round of "at-peril" soil samples, designated by the prefix "DC" collected on June 15, 1994 and a fifth round of "at-peril" soil samples, designated by the prefix "DD" collected August 1, 1994.

Delineation soil samples collected during this phase of work were designated by the prefix "DE" and "DF".

Hudson has completed a thorough evaluation of all analytical data collected at the Campbell Foundry Site to date. Table 2 provides a summary of results above residential direct contact and impact to groundwater soil cleanup criteria for every sample collected. Figure 3 provides the locations of all samples collected at the Site to date.

The only contaminants found within the area of concern are PAH, PCB, and Cu.

Based on the findings discussed within this report the contaminants within the soil outside the former underground storage tank ("UST") vault have been vertically delineated to a depth of 12-12.5' below grade.

PAH contamination is not horizontally delineated and shows an increasing trend as sample locations approach the Worthington Dresser property. Figure 5 shows the contamination isopleths.

The rear yard's north side is covered by a 10" thick layer of concrete. The horizontal dimensions of the concrete have not been measured, but was found at all samples collected during this round of sampling with the exception of DC-2E and AO5-E. The concrete has existed since before Campbell foundry purchased the property from Worthington Dresser in 1975. Because contamination concentrations increase toward the Worthington Dresser site and because this contamination is below concrete, Hudson believes that the contamination is the responsibility of Worthington Dresser.

Analytical soil sample results for PAH, Cu, and PCB at location AO5E and for PAH at DC-2E are below residential direct contact and impact to groundwater soil cleanup criteria. Sample locations AO5-E and DC-2E vertically delineate PAH, Cu, and PCB to 12-12.5' below grade.

Based on sample results Hudson has proposed the use of institutional and engineering controls at the Site to obtain ISRA compliance. The Site is in a heavy industrial area, therefore, Hudson has proposed to cap the effected area and restrict future use of the Site to insure the cap remains in place and the Site is used only for non-residential purposes. A detailed discussion of the proposed work is provided in the Remedial Action Workplan found in Section 7 of this report.

2.3 Significant Events Influencing Sampling

Seasonal variation did not influence sampling procedures or analytical results.

Proposed sample locations, A04-E and an "at-peril" sample, DF-2 were not collected. Sample A04-E was not collected because an overhead steel frame to a former crane limited the access of the drill rig by hindering the drills ability to raise its mast. The parameters for sample AO-4E were added to the AO-5E sample. Sample DF-2 was eliminated due to faulty equipment on the day of sampling. A concrete coring drill was required to drill through the 10" thick layer of concrete along the north side of the property. During drilling activities a sheer pin broke disabling the drill.

3.0 *HISTORICAL INFORMATION*

The history of the Site was provided in the Site Evaluation Submission ("SES") submitted to the NJDEP in 1992 (refer to Table 1).

4.0 *PHYSICAL SETTING*

4.1 Physical Condition of the Site

The Site is located in a heavy industrial area of Harrison, New Jersey, (refer to Figure 1). Adjacent properties to the Site include; Worthington Dresser Company to the north and west, Northeastern Charcoal Co. Warehouse to the

south, and Titan Panel Systems, Inc. to the east. The Erie Lackawanna Railroad is located south of the Site.

4.1.1 On-Site Soil Conditions

According to the Engineering Soil Survey of New Jersey, Report Number 4, Bergen and Hudson Counties, conducted by Rutgers University the soils surrounding the Site are described as variable. The survey uses the symbol "R" to designate the area has a wide variety of soil conditions including stratified drift, glacial till, recent alluvium, tidal marsh and filled land.

On-site soil conditions were characterized to a depth of 15 feet (the approximate depth of groundwater) by Hudson's geologists during soil sampling at the Site. The encountered soil generally consists of a Fine/Medium Reddish Brown Sand/Silt, although several borings revealed a Black colored sand.

4.1.2 Hydrogeology

The aforementioned soil deposit represents the unconfined aquifer below the Site. Groundwater is at approximately 15' below grade. The Passaic River is 1000 feet southeast of the Site.

The NJDEP case manager for the adjacent site, Worthington-Dresser, informed Hudson that free product oil may be migrating onto the Campbell Foundry Site. He commented that a Worthington-Dresser monitoring well located on the property line of Campbell Foundry has over four (4) feet of product and the groundwater flow is southerly toward Campbell Foundry.

4.1.3 Topography and Drainage

The approximate elevation of the Site is 15' above mean sea level. The topography of the Site is relatively flat. Runoff is expected to enter local storm sewers found both on-site and off-site.

4.2 Surface Water Bodies Within 1/2 Mile

4.2.1 Usage of Surface Water Bodies

As discussed above the Passaic River is 1000 feet southeast of the Site. Wetlands areas are located approximately 1500 feet east of the Site (refer to Figure 2). The wetlands and the Passaic River are not and were not used by the Site.

4.2.2 Downgradient Surface Water Concerns

Surface water from the Site enters local storm sewers found both on-site and off-site. Local storm sewers enter the Passaic Valley Sewerage Commission ("PVSC") for wastewater treatment.

4.3 Site Location Map and Wetlands Map

A Site Location Map (refer to Figure 1) identifies the general location of the Site on a topographical map. This map is taken from the Elizabeth, New Jersey Quadrangle produced by the United States Geological Service ("USGS"). A scale, elevation, contour interval and north arrow are shown on the Site Location Map. A Wetlands Map (refer to Figure 2) is superimposed on the above topographical map. Classified wetlands are located 1500 feet east of the Site.

5.0 *AREAS OF CONCERN*

According to the NJDEP's May 18, 1995 conditional approval letter (Attachment 1) additional investigation is required in the area of the tank vault at the Site and horizontal delineation of soil conditions 0-6" below grade. Hudson has investigated these areas and a discussion of work conducted at the Site follows.

Results of previous sampling programs, have been provided to the NJDEP in earlier submissions as referenced in Table 2. Where practical, analytical results are summarized in the text. In cases where extensive parameters were analyzed, only concentrations above soil cleanup criteria are shown. Complete results summaries are found in Table 3.

Soil Conditions:

5.1 Vault Containing Two Former 8,000 Gallon Tanks (AOC-1)

5.1.1 Description of Area

Two 8,000 gallon underground storage tanks ("USTs") were removed from a concrete vault at the rear (east side) of the Site in 1989. NJDEP was on-site to oversee the UST removal. The use and contents of the former tanks is unknown. The tanks were reportedly in good condition when they were removed. It was estimated that the dimensions of the tanks were 7' in diameter and 28' long. The bottom of the concrete vault was estimated to be 8.5' below grade. The top of the concrete vault was an 8" thick slab of concrete at surface level, which was demolished and removed.

Sampling was not conducted following the tank removal, however, photographs were taken and provided to Mr. Stew Mitchell of the NJDEP in 1989.

On September 21, 1992, December 9, 1993, February 4, 1994, June 15, 1994, and August 1, 1994 soil samples were collected around the concrete vault of the former UST and to delineate surface contaminants (not expected to be attributable to the former USTs based on their depth) horizontally. Results have been submitted to NJDEP in previous reports and are summarized on Table 2 and illustrated on Figure 3.

Initial sample results identified target parameters which include the PAH fraction of BN samples, PCB, and copper.

Sampling for these contaminants was proposed in a Remedial Investigation Workplan submitted to NJDEP on April 4, 1995.

5.1.2 Sampling Requirements

Hudson proposed the collection of seven samples. Two soil samples, AO-4E and AO-5E, would be collected at a depth of 12-12.5' below grade near former soil samples AO-4 and AO-5 and analyzed for PCBs and PAH/Cu respectively. One soil sample, DC-2E, would be collected at a depth of 12-12.5' below grade near the former location of DC-2 and analyzed for PAH. Four soil samples, DE-1 through DE-4, would be collected 0-6" below grade and analyzed for PAH for the purpose of horizontally delineating PAH in shallow soil.

5.1.3 Sampling Conducted

On June 28-29, 1995 the sixth round of soil sampling was conducted at the Site. An overhead steel frame to a former crane limited access of the drill rig by preventing the drill from raising its mast. This difficulty caused the elimination of proposed boring location AO-4E. Soil samples DC-2E and AO-5E were collected as proposed at 12-12.5' below grade where shown on Figure 4. Samples DE-1 through DE-4 were collected as proposed at 0-6" below a 10" thick layer of concrete where shown on

Figure 4. Additional delineation samples DF-1, and DF-3 were also collected 0-6" below a 10" thick layer of concrete where shown on Figure 4. Sample DF-2 was eliminated because of an equipment malfunction in the field. Sample AO-5E was analyzed for PAH/Cu and PCB to compensate for the omitted PCB sample, AO-4E. Samples DC-2E, and DE-1 through DE-4, DF-1 and DF-3 were analyzed for PAH.

5.1.4 Results of Sampling

Results of the samples are tabulated on Table 3 and are summarized below:

Sample ID	Cleanup	AO-5E	DC-2E	DE-1	DE-2
Depth (ft)	Criteria	12-12.5'	12-12.5'	0-6"	0-6"
Parameters:	Res/Imp				
PAH (ppm)					
Anthracene	10000/100	ND<0.19	0.61 J	ND<1.6	ND<1.2
Benzo(a)Anthracene	0.9/500	ND<0.19	ND<1.7	3.8	5.2
Chrysene	9/500	ND<0.19	ND<1.7	5.8	7.7
Benzo(b)Fluoranthene	0.9/500	ND<0.19	ND<1.7	10	15
Benzo(k)Fluoranthene	0.9/500	ND<0.88	ND<0.69	3.1	3.3
Benzo(a)Pyrene	0.66/100	ND<0.19	ND<1.7	3.9	7.9
Indeno(1,2,3-cd)Pyrene	0.9/500	ND<0.19	ND<1.7	4.5	6.9
Dibenz(a,h)Anthracene	0.66/500	ND<0.19	ND<1.7	1.5 J	1.7
Total PAH		0	11.01	44.98	69.1
PP Metals (ppm)					
Copper	600	9.3	NA	NA	NA
PCB					
1254	0.49/100	ND<0.038	NA	NA	NA
1260	0.49/100	ND<0.038	NA	NA	NA

Note: NA - Not Analyzed
ND - Not Detected above the detection limit
J - An estimated value. The compound was detected below the detection limit.

Sample ID	Cleanup	DE-3	DE-4	DF-1	DF-3
Depth (ft)	Criteria	0-6"	0-6"	0-6"	0-6"
Parameters:	Res/Imp				
PAH (ppm)					
Anthracene	10000/100	170 J	ND<0.56	ND<1.1	120 J
Benzo(a)Anthracene	0.9/500	4	0.59	0.66 J	1.1
Chrysene	9/500	4.9	0.74	0.91 J	1.3
Benzo(b)Fluoranthene	0.9/500	11	1.2	1.5	2.9
Benzo(k)Fluoranthene	0.9/500	2.5	0.55	0.37 J	0.88
Benzo(a)Pyrene	0.66/100	5.4	0.73	0.77 J	1.6
Indeno(1,2,3-cd)Pyrene	0.9/500	3.9	ND<0.56	0.31J	0.68
Dibenz(a,h)Anthracene	0.66/500	1	ND<0.56	ND<1.1	180 J
Total PAH		215.07	11.01	44.98	69.1

Note: NA - Not Analyzed
ND - Not Detected above the detection limit
J - An estimated value. The compound was detected below the detection limit.

Results of vertical delineation samples were below residential direct contact soil and impact to groundwater cleanup criteria at locations DC-2E for PAH and AO-5E for PAH, Cu, and PCB. Based on these results vertical complete delineation has been achieved.

Results of horizontal delineation samples were above residential direct contact soil cleanup criteria for samples DE-1 through DE-4, DF-1 and DF-3.

5.1.5 Proposed Action

Analytical results indicate that PAH contaminant concentrations beneath the concrete slab at the north side of the Site increase in concentration toward the Worthington Dresser property. An Isopleth map, Figure 5, shows the increasing PAH concentrations from the south to the north side of the Campbell Foundry Site.

Hudson proposes no further delineation sampling for vertical contaminants because PAH, PCB, and Cu sample results at location AO-

5E and at DC-2E are below residential direct contact and impact to groundwater soil cleanup criteria.

Hudson proposes to address vertical contamination to a depth of 12.5' with the use of institutional and engineering controls to obtain ISRA compliance. Hudson proposes no remediation of horizontal contamination attributable to the Worthington Dresser property. Much of this area is already covered by concrete. Hudson has proposed to cap the effected area and restrict future use of the site to insure the cap remains in place and the site is used only for industrial purposes. A detailed discussion of the proposed work is provided in the Remedial Action Workplan found in Section 7 of this report.

6.0 *REMEDIAL ALTERNATIVE ANALYSIS SUMMARY*

A remedial alternative analysis evaluated potential onsite permanent remedies, offsite permanent remedies, onsite disposal, and offsite disposal.

The media to be remediated is soil. Soil contamination has been delineated to a depth of 12-12.5' below grade and groundwater is at 15' below grade. Because soil contamination has not intercepted groundwater a groundwater investigation has not been proposed. The object of the remedial action is to contain PAH, copper, and PCB in soil.

The area to be remediated contains at least 52,000 cubic feet of soil.

The presence of lead contaminated soil inside the tank vault and copper contaminated soil outside the tank vault eliminates the possibility of any on-site permanent remedy because on-site permanent remedies do not currently exist for heavy metals.

The only two options available are off-site disposal and on-site disposal. Because offsite remediation requires excavating and trucking the contaminated

soil, its costs are more than 10% greater than the costs for on-site disposal. Excavating, loading, transporting, and disposal costs for 52,000 cubic feet of soil at $150/cubic yard equals $289,000. Capping of the area will cost less than $100,000.

Hudson concluded, based on the remedial alternative analysis that the best practical remedial alternative for the Campbell Foundry site is capping with appropriate institutional controls.

7.0 *REMEDIAL ACTION WORKPLAN*

7.1 Vault Containing Two Former 8,000 Gallon Tanks (AOC-1)

7.1.1 Description of Proposed Remedial Actions and Technology

A cap is chosen to address soil contamination at the site because it is the best alternative to prevent human exposure to the contaminants and limit migration of the contaminants to the environment. Attempting to excavate and remove contaminated soil at the site will have insignificant value relative to the vicinity and will not substantially improve the environmental quality of the vicinity. Furthermore, it will expose workers to the soil dust and track some soil onto local roads. The environmental quality of the vicinity will be protected from further contamination with the installation of the cap.

As required by N.J.A.C. 7:26D-7.2(c)2, a cap and institutional control will accomplish the same degree of human health and environmental protection based upon evidence that the contaminants will not travel via the expected exposure pathways due to the cap.

CAMPBELL FOUNDRY WORTHINGTON SITE

REMEDIAL INVESTIGATION REPORT

TABLE 1

CHRONOLOGICAL SUMMARY OF ENVIRONMENTAL EVENTS

Date	Event
1989	Site Owner Removes Underground Storage Tanks
February 27, 1990	Campbell Foundry Worthington Site Enters Sales Contract with Mr. Joseph Comprelli and Mr. Joseph Supor
Early 1990	Initial Notice Filed For 2 Worthington Way
Early 1990	NJDEP Requested Campbell Foundry Submit a Second Initial Notice For Their 800 Bergen Street Site
Late 1990	Campbell Foundry Withdrew From ISRA Pending The Determination of Contiguous Property
November 18, 1991	Court Action Established That Campbell Foundry's 800 Bergen Street Site was not Contiguous With the 2 Worthington Way Site, Allowing Separate ISRA Filings
March 4, 1992	NJDEP Notified Campbell Foundry That It is Required to Comply with ISRA.
April 7, 1992	Submission of General Information Submission
April 30, 1992	Submission of Site Evaluation Submission (Proposed AO-1 through A0-6 for PP+40 at 8.5' below grade)
July 16, 1992	NJDEP Site Inspection
August 12, 1992	NJDEP Report of Site Inspection
September 1, 1992	Submittal of Tank Registration Form, Standard Reporting Form, Site Assessment Compliance Statement and Fee for tanks Removed by the Site Owner in 1989
September 11, 1992	NJDEP Requests Campbell Foundry to Register the Former Underground Storage Tanks
September 14, 1992	Submittal of Sampling Plan Addendum (Proposed to resample C-2)
September 18, 1992	NJDEP Approves May 1992 Sampling Plan With Conditions
September 21, 1992	First Round of Soil Sampling (AO-1 through AO6, C-2 and B-7)
September 22, 1992	Request & Receive approval to modify PP+40 analysis frequency
December 1, 1992	Submission of Remedial Investigation Report (Attachment 6 includes asbestos removal documentation)

CAMPBELL FOUNDRY WORTHINGTON SITE

REMEDIAL INVESTIGATION REPORT

TABLE 1 (Cont.)

CHRONOLOGICAL SUMMARY OF ENVIRONMENTAL EVENTS

Date	Event
January 29, 1993	NJDEP Issues a Directive to Campbell Foundry to Address Environmental Conditions at the Site.
June 2, 1993	Submission of Delineation Sampling Plan (Propose DA-1 through DA-12, and C-2B)
August 30, 1993	NJDEP Conditional Sampling Plan Approval (Approves Parameters and Depths)
December 6, 1993	Request an Extension for the Submission of a Remedial Investigation Report.
December 9, 1993	Second Round of Soil Sampling
December 10, 1993	NJDEP Approves Extension for Submission of a Remedial Investigation Report to February 7, 1994.
February 2, 1994	Hudson Requests an Extension for the Submission of a Remedial Investigation Report Pending "At-Peril" Sampling Designed to Enable Submission of a Remedial Action Workplan
February 4, 1994	Hudson Initiates "At-Peril" Sampling
February 15, 1994	NJDEP Approves Extension for Submission of a Remedial Investigation Report to April 30, 1994.
April 22, 1994	Hudson Requests an Extension for the Submission of a Remedial Investigation Report Pending "At-Peril" Sampling Designed to Enable Submission of a Remedial Action Workplan
April 26, 1994	NJDEP Approves Extension for Submission of a Remedial Investigation Report to August 1, 1994.
June 15, 1994	"At-Peril" Soil Sampling
August 1, 1994	"At-Peril" Soil Sampling
November 30, 1994	Submission of the Remedial Investigation Report to NJDEP
June 28-29, 1995	Soil Sampling
September 1995	Submission of the Remedial Investigation Report to NJDEP

TABLE 2

HISTORICAL SAMPLING SUMMARY TABLE
(RESULTS ABOVE NON-RESIDENTIAL DIRECT CONTACT SOIL CLEANUP CRITERIA)

FOR

CAMPBELL FOUNDRY COMPANY

SAMP. DATE	AREA OF CONCERN	SAMPLE ID	DEPTH	MATRIX	PARAMETERS ANALYZED	CLEANUP CRITERIA EXCEEDANCES	DATE OF NFA	EXCAVATED
9/21/92	OUTSIDE TANK VAULT	AO-1	7'-9'	SOIL	TPHC, VO+15, BN+15, PP METALS	PAH		NO
9/21/92	OUTSIDE TANK VAULT	AO-2	7'-9'	SOIL	TPHC, VO+15, BN+15, PP METALS	PAH		NO
9/21/92	OUTSIDE TANK VAULT	AO-3	7'-9'	SOIL	TPHC, VO+15, BN+15, PP METALS	NONE		NO
9/21/92	OUTSIDE TANK VAULT	AO-4	7'-9'	SOIL	TPHC, VO+15, BN+15, PP METALS AE, PEST., PCB, CN, PHENOLS, pH	PAH, COPPER, PCB		NO
9/21/92	OUTSIDE TANK VAULT	AO-5	7'-9'	SOIL	TPHC, VO+15, BN+15, PP METALS	PAH, COPPER,		NO
9/21/92	OUTSIDE TANK VAULT	AO-6	7'-9'	SOIL	TPHC, VO+15, BN+15, PP METALS AE, PEST., PCB, CN, PHENOLS, pH	PESTICIDE (DIELDRIN)		NO
9/21/92	OUTSIDE TANK VAULT	C-2	7'-9'	SOIL	VO+15, BN+15	NONE		NO
9/21/92	OUTSIDE TANK VAULT	B-7	7'-9'	SOIL	TPHC	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-1	1.5-2'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-2	1.5-2'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-2	8'-8.5'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-2	11.5'-12'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-3	1.5-2'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-3	8'-8.5'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-3	14.5'-15'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	OUTSIDE TANK VAULT	DA-4	1.5-2'	SOIL	PAH, PCB, COPPER	PAH		NO
12/9/93	OUTSIDE TANK VAULT	DA-5	1.5-2'	SOIL	PAH, PCB, COPPER	PAH, COPPER, PCB		NO
12/9/93	OUTSIDE TANK VAULT	DA-6	1.5-2'	SOIL	PAH, PCB, COPPER	PAH, PCB		NO
12/9/93	OUTSIDE TANK VAULT	DA-6	8'-8.5'	SOIL	PAH, PCB, COPPER	PAH, PCB		NO
12/9/93	INSIDE TANK VAULT	DA-8	8'-8.5'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	INSIDE TANK VAULT	DA-8	10'-10.5'	SOIL	PAH, PCB, COPPER	NONE		NO
12/9/93	INSIDE TANK VAULT	DA-9	0"-6"	SOIL	LEAD	LEAD		NO
12/9/93	INSIDE TANK VAULT	DA-9	1.5-2'	SOIL	LEAD	LEAD		NO
12/9/93	INSIDE TANK VAULT	DA-10	0"-6"	SOIL	LEAD	NONE		NO
12/9/93	INSIDE TANK VAULT	DA-10	1.5-2'	SOIL	LEAD	NONE		NO
12/9/93	INSIDE TANK VAULT	DA-11	0"-6"	SOIL	LEAD	NONE		NO
12/9/93	INSIDE TANK VAULT	DA-11	1.5-2'	SOIL	LEAD	LEAD		NO
12/9/93	INSIDE TANK VAULT	DA-12	0"-6"	SOIL	LEAD	NONE		NO
12/9/93	INSIDE TANK VAULT	DA-12	1.5-2'	SOIL	LEAD	LEAD		NO
12/9/93	INSIDE TANK VAULT	C-2B	0"-6"	SOIL	TPHC	NONE		NO
12/9/93	INSIDE TANK VAULT	C-2B	1.5-2'	SOIL	TPHC	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-1	1.5-2'	SOIL	PAH, PCB, COPPER	PAH, PCB		NO
2/3/94	OUTSIDE TANK VAULT	DB-1	8-8.5'	SOIL	PAH, PCB, COPPER	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-1	16.5-17'	SOIL	PAH, PCB, COPPER	NONE		
2/3/94	OUTSIDE TANK VAULT	DB-2	1.5-2'	SOIL	PAH, PCB, COPPER	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-2	8-8.5'	SOIL	PAH, PCB, COPPER	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-2	16-16.5'	SOIL	PAH, PCB, COPPER	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-3	1.5-2'	SOIL	PAH, PCB, COPPER	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-3	8-8.5'	SOIL	PAH, PCB, COPPER	NONE		NO
2/3/94	OUTSIDE TANK VAULT	DB-3	14-14.5'	SOIL	PAH, PCB, COPPER	NONE		NO
6/15/94	OUTSIDE TANK VAULT	DC1B	18-24"	SOIL	BN, PCB	NONE		NO
6/15/94	OUTSIDE TANK VAULT	DC2A	0-6"	SOIL	BN, PCB	PAH, PCB		NO
6/15/94	OUTSIDE TANK VAULT	DC3B	18-24"	SOIL	BN, PCB	NONE		NO
8/1/94	OUTSIDE TANK VAULT	DD-1	0-6"	SOIL	PAH	PAH		NO
8/1/94	OUTSIDE TANK VAULT	DD-2	0-6"	SOIL	PAH	PAH		NO
6/28-29/95	OUTSIDE TANK VAULT	DC-2E	12-12.5'	SOIL	PAH	NONE		NO
6/28-29/95	OUTSIDE TANK VAULT	AO-5E	12-12.5'	SOIL	PAH, PCB, Cu	NONE		NO
6/28-29/95	OUTSIDE TANK VAULT	DE-1	0-6"	SOIL	PAH	PAH		NO
6/28-29/95	OUTSIDE TANK VAULT	DE-2	0-6"	SOIL	PAH	PAH		NO
6/28-29/95	OUTSIDE TANK VAULT	DE-3	0-6"	SOIL	PAH	PAH		NO
6/28-29/95	OUTSIDE TANK VAULT	DE-4	0-6"	SOIL	PAH	PAH	NFA	NO
6/28-29/95	OUTSIDE TANK VAULT	DF-1	0-6"	SOIL	PAH	PAH	Requested	NO
6/28-29/95	OUTSIDE TANK VAULT	DF-3	0-6"	SOIL	PAH	PAH	Aug-95	NO

TABLE: 3

SOIL SAMPLING ANALYTICAL RESULTS SUMMAR'

FOR

CAMPBELL FOUNDRY

RESULTS REPORTED IN mg/kg (PERTS PER MILLION)			SAMPLE LOCATION	CAMPBELL FOUNDRY							
			FIELD SAMPLE IDENTIFICATION	DC-2E SOIL	DE-1 SOIL	DE-2 SOIL	DE-3 SOIL	DE-4 SOIL	DF-1 SOIL	DF-3 SOIL	AO-5E SOIL
			LAB SAMPLE IDENTIFICATION	AA31566	AA31567	AA31568	AA31569	AA31570	AA31571	AA31572	AA31573
			SAMPLE DATE	6/29/95	6/29/95	6/29/95	6/29/95	6/29/95	6/29/95	6/29/95	6/29/95
			SAMPLE DEPTH	12-12.5'	0-6"	0-6"	0-6"	0-6"	0-6"	0-6"	12-12.5'
	NJDEPE SOIL CLEANUP CRITERIA										
PARAMETER (UNITS)	RESIDENTIAL DIRECT CONTACT	NON-RESIDENTIAL DIRECT CONTACT	IMPACT TO GROUNDWATER								
PAH (ppm)											
DILUTION FACTOR				300	299	197	99.7	100	200	33.3	33.2
MDL A - LOWEST				0.69	0.66	0.48	0.55	0.22	0.46	0.078	0.076
MDL B - HIGHEST				1.7	1.6	1.2	0.55	0.56	1.1	0.2	0.19
Naphthalene (PAH)	230	4200	100	6.9	ND < 1.6	ND < 1.2	ND < 0.55	ND < 0.56	ND < 1.1	ND < 0.2	ND < 0.19
Acenaphthylene (PAH)	Not Published	Not Published	Not Published	ND < 1.7	ND < 1.6	ND < 1.2	ND < 0.55	ND < 0.56	ND < 1.1	ND < 0.2	ND < 0.19
Acenaphthene (PAH)	3400	10000	100	ND < 1.7	ND < 1.6	ND < 1.2	ND < 0.55	ND < 0.56	ND < 1.1	ND < 0.2	ND < 0.19
Fluorene (PAH)	2300	10000	100	ND < 1.7	ND < 1.6	ND < 1.2	ND < 0.55	ND < 0.56	ND < 1.1	ND < 0.2	ND < 0.19
Phenanthrene (PAH)	Not Published	Not Published	Not Published	3.5	0.58 J	1.5	0.97	740	0.92 J	0.56	ND < 0.19
Anthracene (PAH)	10000	10000	100	0.61 J	ND < 1.6	ND < 1.2	170 J	ND < 0.56	ND < 1.1	120 J	ND < 0.19
Fluoranthene (PAH)	2300	10000	100	ND < 1.7	3.1	6.3	3.8	1.1	1.5	1.2	ND < 0.19
Pyrene (PAH)	1700	10000	100	ND < 1.7	3.1	5.9	3.6	1.1	1.3	1.2	ND < 0.19
Benzo(a)Anthracene (PAH)	0.9	4	500	ND < 1.7	3.8	5.2	4	0.59	0.66 J	1.1	ND < 0.19
Chrysene (PAH)	9	40	500	ND < 1.7	5.8	7.7	4.9	0.74	0.91 J	1.3	ND < 0.19
Benzo(b)Fluoranthene (PAH)	0.9	4	50	ND < 1.7	10	15	11	1.2	1.5	2.9	ND < 0.19
Benzo(k)Fluoranthene (PAH)	0.9	4	500	ND < 0.69	3.1	3.3	2.5	0.55	0.37 J	0.88	ND < 0.076
Benzo(a)Pyrene (PAH)	0.66	0.66	100	ND < 1.7	3.9	7.9	5.4	0.73	0.77 J	1.8	ND < 0.19
Indeno(1,2,3-cd)Pyrene (PAH)	0.9	4	500	ND < 1.7	4.5	6.9	3.9	ND < 0.56	0.31 J	0.68	ND < 0.19
Dibenzo(a,h)Anthracene (PAH)	0.66	0.66	100	ND < 1.7	1.5 J	1.7	1	ND < 0.56	ND < 1.1	180 J	ND < 0.19
Benzo(g,h,i)Perylene (PAH)	Not Published	Not Published	Not Published	ND < 1.7	5.6	7.7	4	ND < 0.56	ND < 1.1	0.67	ND < 0.19
PAH TOTAL				11.01	44.98	69.1	215.07	746.01	8.24	312.09	0
PCB (ppm)											
Aroclor - 1016	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Aroclor - 1221	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Aroclor - 1232	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Aroclor - 1242	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Aroclor - 1248	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Aroclor - 1254	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Aroclor - 1260	0.49	2	50	NA	NA	NA	NA	NA	NA	NA	ND < 0.038
Cu (ppm)	600	600	Not Published	NA	NA	NA	NA	NA	NA	NA	9.3

ANALYTICAL METHOD:

NOTE: NA - NOT ANALYZED.

ND - INDICATES COMPOUND WAS ANALYZED FOR BUT NOT DETECTED ABOVE METHOD DETECTION LIMIT (MDL).

J - INDICATES AN ESTIMATED VALUE USED WHEN A COMPOUND IS DETECTED AT LESS THAN THE SPECIFIED DETECTION LIMIT.

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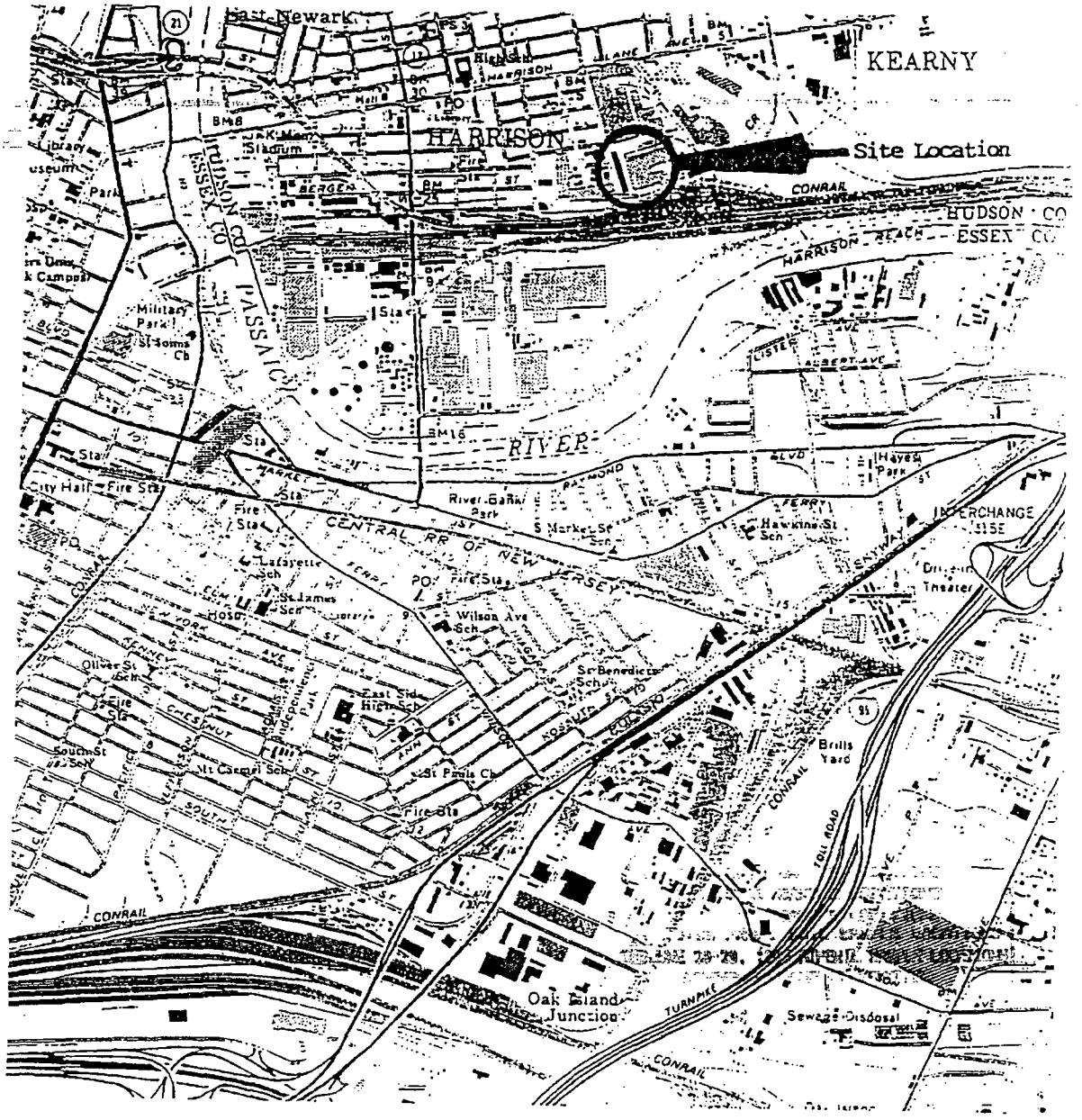


USGS Quadrangle: Elizabeth, NJ

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET

MN GN

17° 213 MILS

0°32' 9 MILS

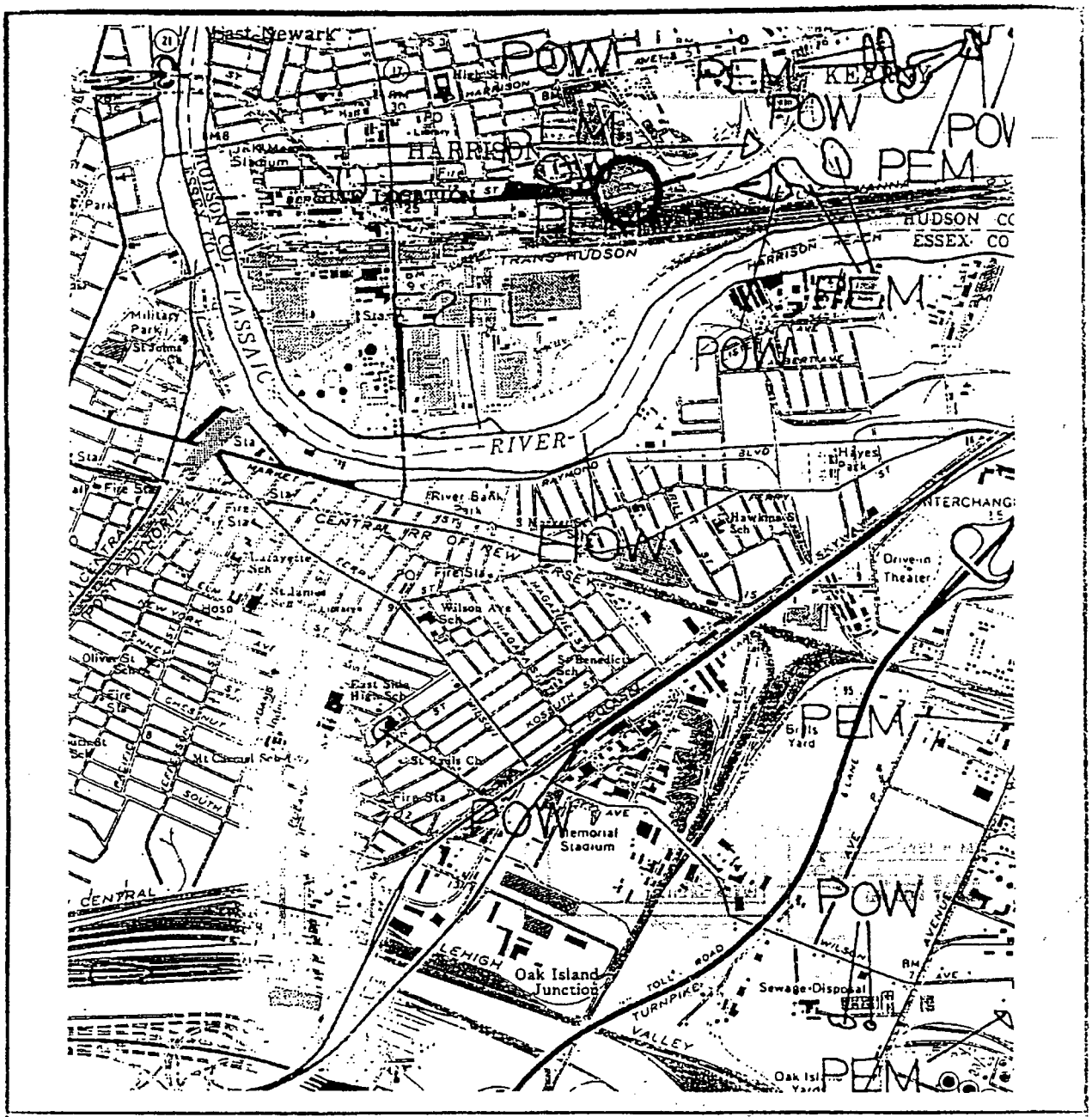
NEW JERSEY

QUADRANGLE LOCATION

Figure 1
Location Map
CAMPBELL FOUNDRY

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

TAE000400



National Wetlands Inventory

USGS Quadrangles: Elizabeth, NJ

SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

SYMBOLOGY EXAMPLE

SYSTEM
SUBSYSTEM
CLASS
EZEMSN
SUBCLASS, WATER REGIME
UPLAND (NON-WETLANDS).
FARMED WETLANDS
CONTROLLED WATER REGIME

WETLAND LEGEND

0 — Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

Figure 2
CAMPBELL FOUNDRY

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

Prepared by Office of Biological Services for the National Wetlands Inventory

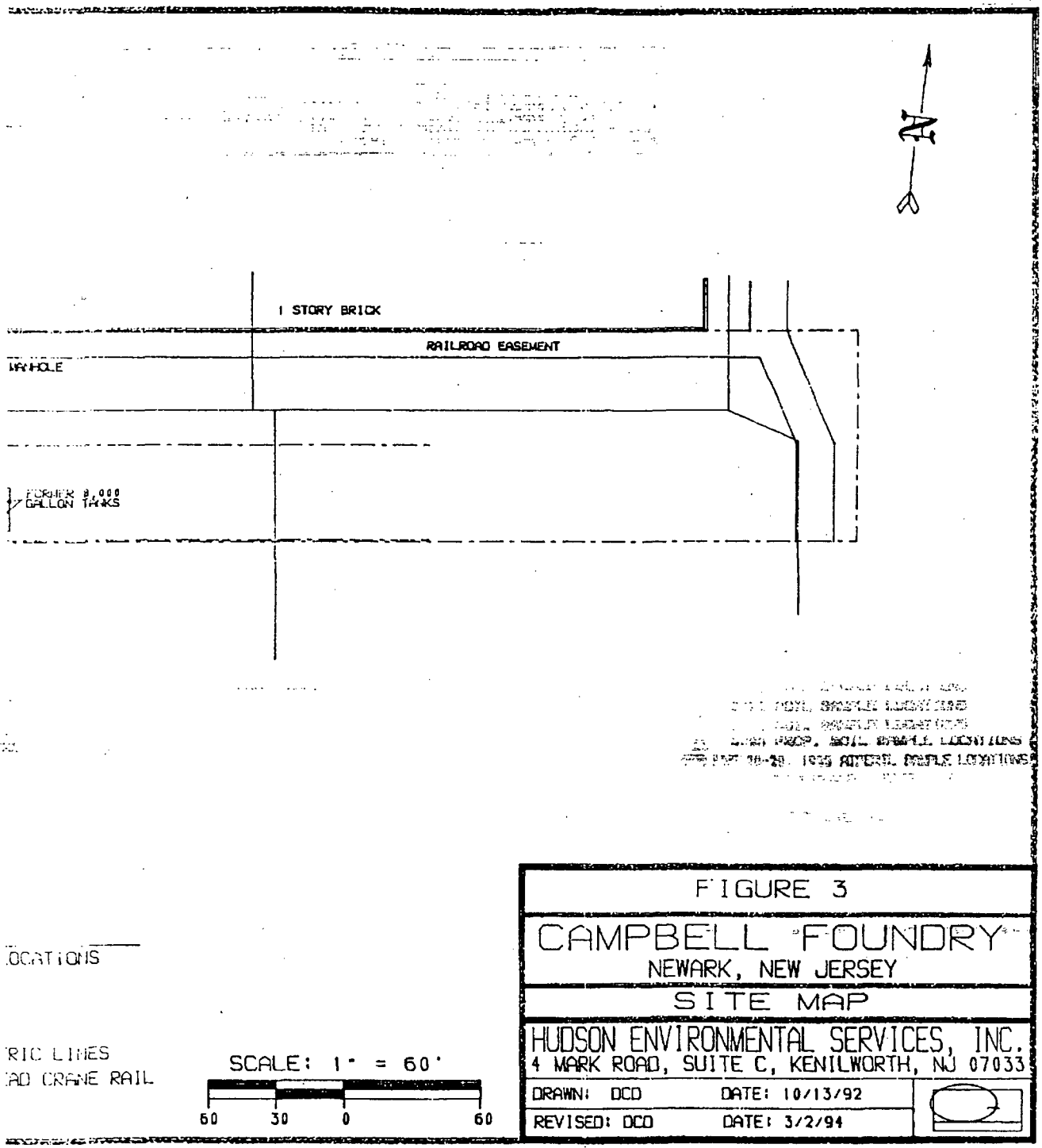


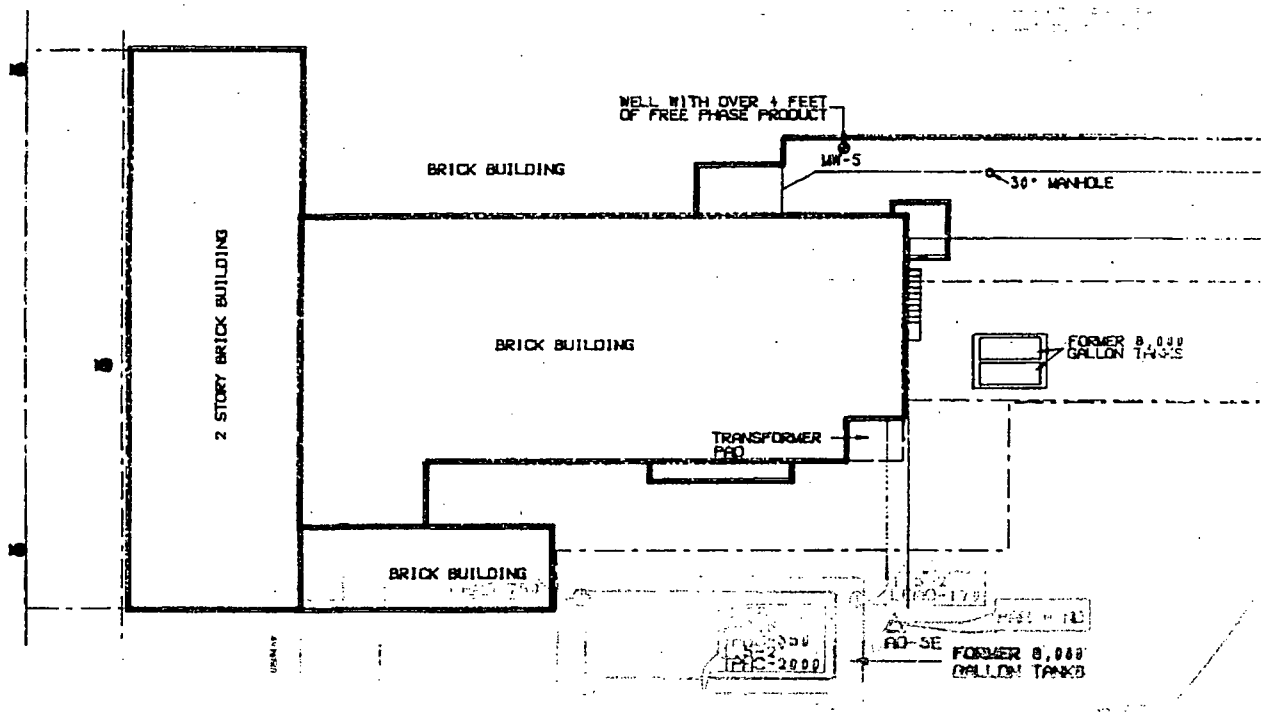
FIGURE 3

CAMPBELL FOUNDRY
NEWARK, NEW JERSEY

SITE MAP

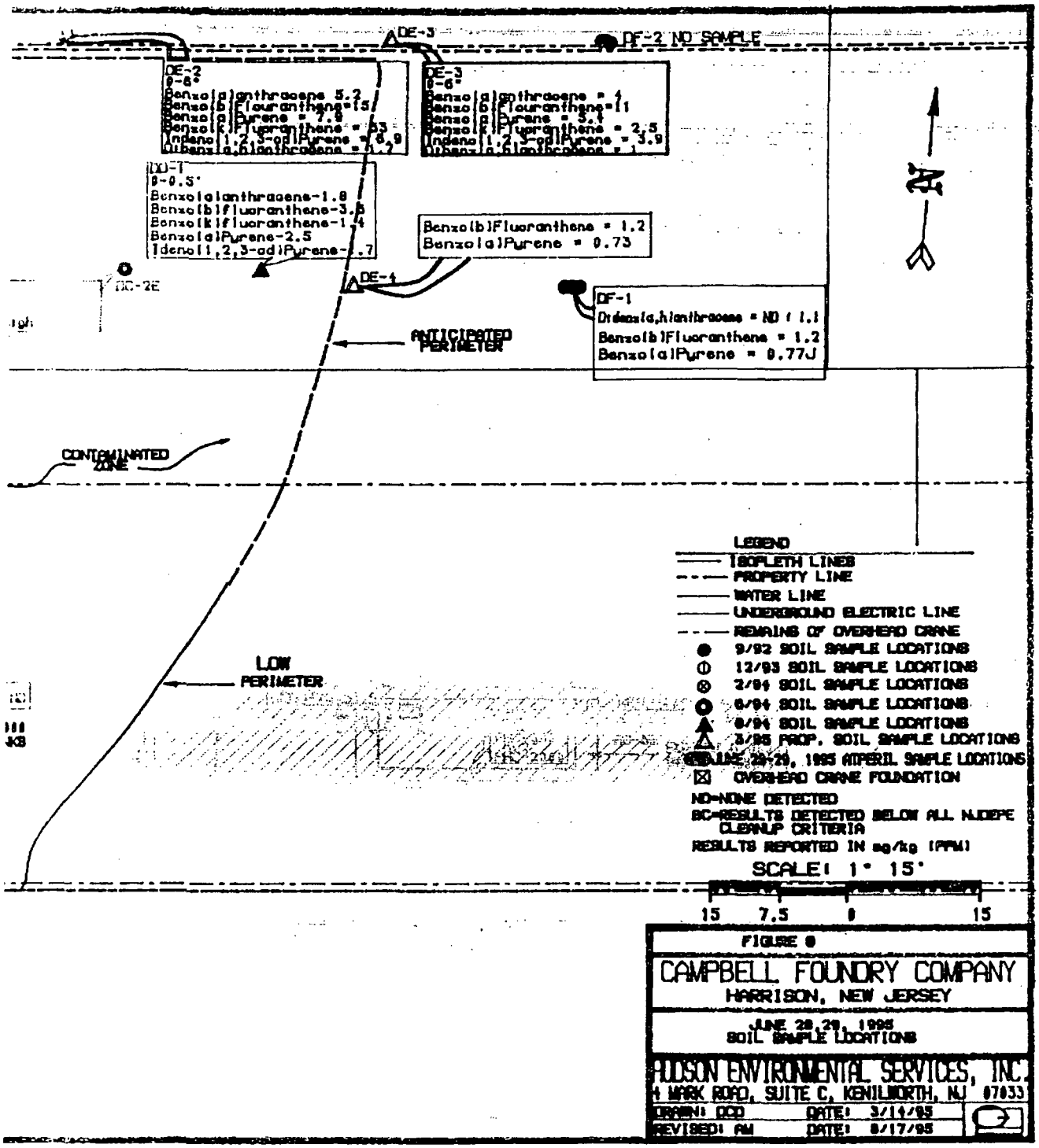
HUDSON ENVIRONMENTAL SERVICES, INC.
4 MARK ROAD, SUITE C, KENILWORTH, NJ 07033

DRAWN: DCD DATE: 10/13/92
REVISED: DCD DATE: 3/2/94



LEGEND

- MONITORING WELL LOCATIONS
- FENCE LINE
- PROPERTY LINE
- WATER LINES
- UNDERGROUND ELECTRIC LINES
- REMAINS OF OVERHEAD CRANE RAIL
- FIRE HYDRANT


DE-3
DF-2 ND SAMPLE
DE-2
0-6"
Benzo(a)anthracene 5.2
Benzo(b)Flouranthene=15
Benzo(a)Pyrene = 7.9
Benzo(k)Fluoranthene = 3.3
Indeno(1,2,3-cd)Pyrene = 8.9
Dibenz(a,h)anthracene = 1.2
DE-3
0-6"
Benzo(a)anthracene = 1
Benzo(b)Flouranthene=11
Benzo(a)Pyrene = 3.1
Benzo(k)Fluoranthene = 2.5
Indeno(1,2,3-cd)Pyrene = 3.9
Dibenz(a,h)anthracene = 1
DD-1
0-0.5'
Benzo(a)anthracene-1.8
Benzo(b)fluoranthene-3.6
Benzo(k)fluoranthene-1.4
Benzo(a)Pyrene-2.5
Idenol1,2,3-cd)Pyrene-1.7
Benzo(b)Fluoranthene = 1.2
Benzo(a)Pyrene = 0.73
DE-1
DC-2E
DF-1
Dibenz(a,h)anthracene = ND (1.1
Benzo(b)Fluoranthene = 1.2
Benzo(a)Pyrene = 0.77J
ANTICIPATED PERIMETER
CONTAMINATED ZONE
LOW PERIMETER
LEGEND
ISOPLETH LINES
PROPERTY LINE
WATER LINE
UNDERGROUND ELECTRIC LINE
REMAINS OF OVERHEAD CRANE
9/92 SOIL SAMPLE LOCATIONS
12/93 SOIL SAMPLE LOCATIONS
2/94 SOIL SAMPLE LOCATIONS
6/94 SOIL SAMPLE LOCATIONS
8/94 SOIL SAMPLE LOCATIONS
3/95 PROP. SOIL SAMPLE LOCATIONS
JUNE 28-29, 1995 ATPERIL SAMPLE LOCATIONS
OVERHEAD CRANE FOUNDATION
ND=NONE DETECTED
BC=RESULTS DETECTED BELOW ALL NJDEPE CLEANUP CRITERIA
RESULTS REPORTED IN mg/kg (PPM)
SCALE: 1" 15'
15 7.5 0 15
FIGURE 8
CAMPBELL FOUNDRY COMPANY
HARRISON, NEW JERSEY
JUNE 28,29, 1995
SOIL SAMPLE LOCATIONS
HUDSON ENVIRONMENTAL SERVICES, INC.
4 MARK ROAD, SUITE C, KENILWORTH, NJ 07033
DRAWN: DCD DATE: 3/14/95
REVISED: AM DATE: 8/17/95

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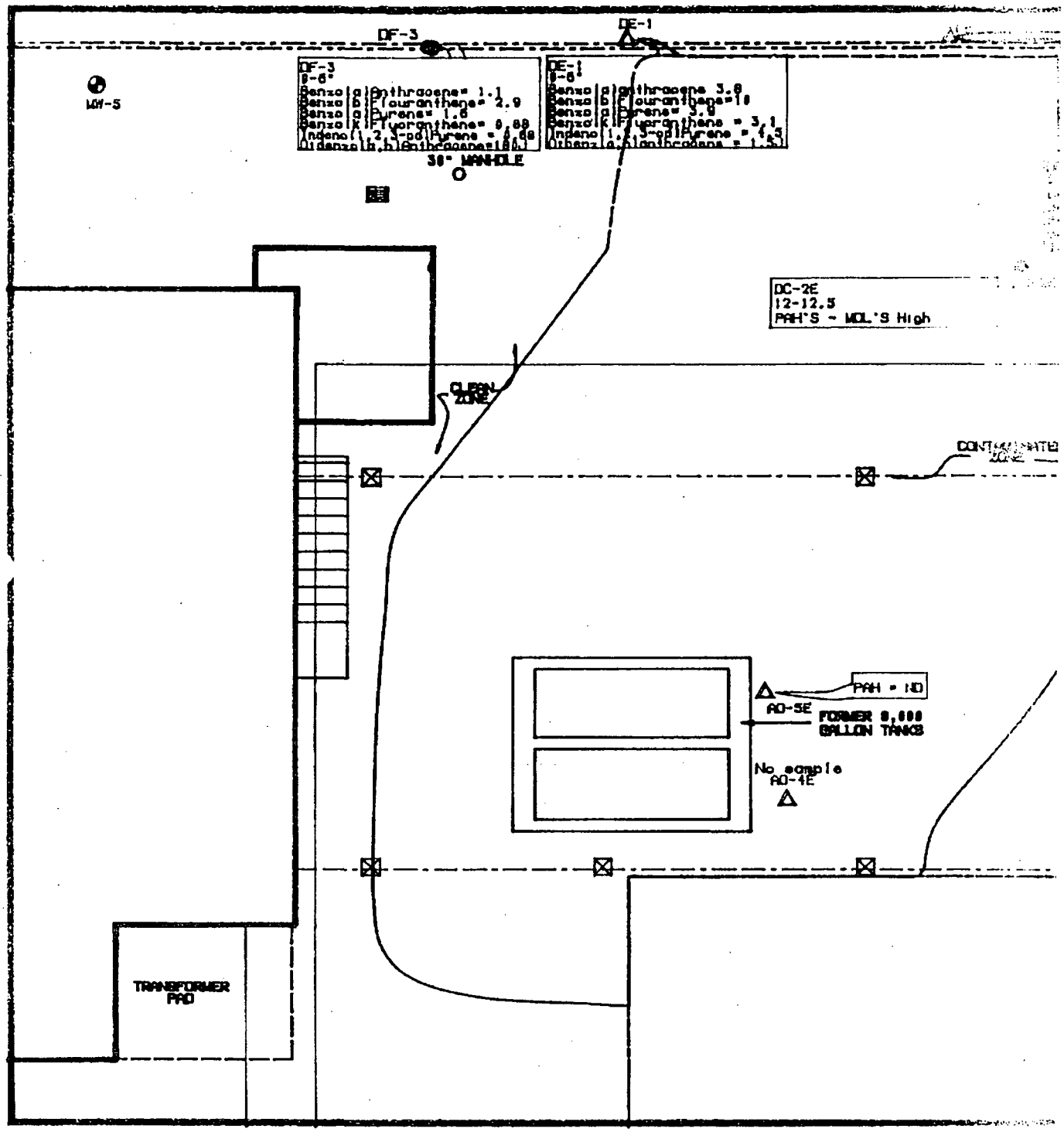
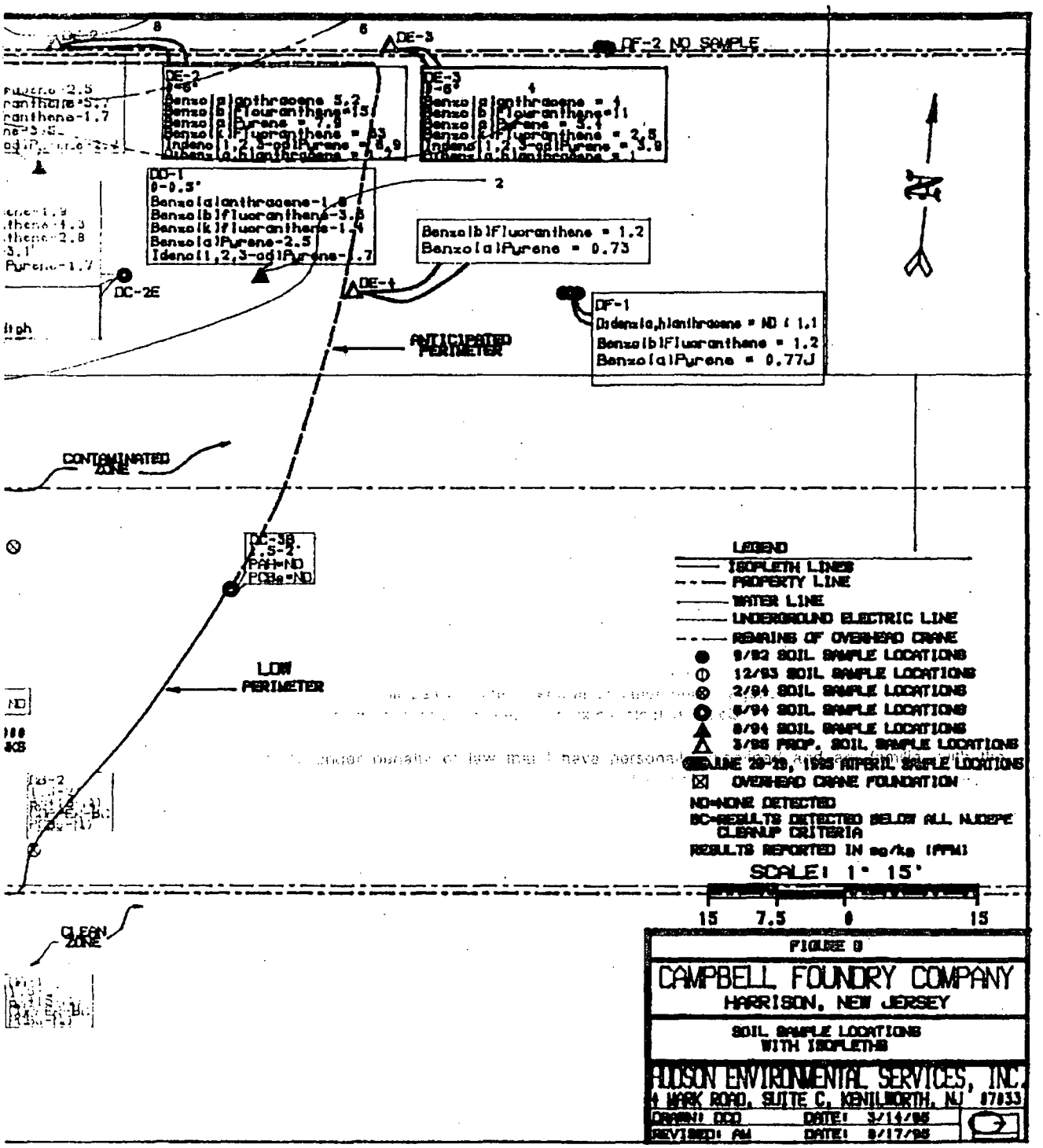

DF-3
DE-1
MW-5
DF-3
0-6"
Benzo[a]anthracene= 1.1
Benzo[b]fluoranthene= 2.9
Benzo[a]Pyrene= 1.6
Benzo[k]Fluoranthene= 0.69
Indeno[1,2,3-cd]Pyrene = 0.68
Dibenz[a,h]anthracene=180
DE-1
0-6"
Benzo[a]anthracene 3.8
Benzo[b]fluoranthene=18
Benzo[a]Pyrene= 3.8
Benzo[k]Fluoranthene = 3.1
Indeno[1,2,3-cd]Pyrene = 4.5
Dibenz[a,h]anthracene = 1.5
36" MANHOLE
DC-2E
12-12.5
PAH'S - MOL'S High
CLEAN ZONE
CONTAMINATED ZONE
PAH = ND
AO-5E
FORMER 8,000 GALLON TANKS
No sample
AO-4E
TRANSFORMER PAD

TAE000405


DE-3
DF-2 NO SAMPLE
DE-2
Benzo[a]anthracene 5.2
Benzo[b]fluoranthene=15
Benzo[a]Pyrene = 7.8
Benzo[k]Fluoranthene = 3.3
Indeno[1,2,3-cd]Pyrene = 8.9
DE-3
Benzo[a]anthracene = 4
Benzo[b]fluoranthene=11
Benzo[a]Pyrene = 5.1
Benzo[k]Fluoranthene = 2.5
Indeno[1,2,3-cd]Pyrene = 3.8
DD-1
0-0.5'
Benzo[a]anthracene-1.8
Benzo[b]fluoranthene-3.8
Benzo[k]Fluoranthene-1.4
Benzo[a]Pyrene-2.5
Indeno[1,2,3-cd]Pyrene-1.7
Benzo[b]Fluoranthene = 1.2
Benzo[a]Pyrene = 0.73
DC-2E
DE-4
DF-1
Dibenzo[a,h]anthracene = ND (1.1
Benzo[b]Fluoranthene = 1.2
Benzo[a]Pyrene = 0.77J
ANTICIPATED PERIMETER
CONTAMINATED ZONE
DC-3B
0.5-2'
PAH=ND
PCBs=ND
LOW PERIMETER
CLEAN ZONE
LEGEND
ISOPLETH LINES
PROPERTY LINE
WATER LINE
UNDERGROUND ELECTRIC LINE
REMAINS OF OVERHEAD CRANE
9/92 SOIL SAMPLE LOCATIONS
12/93 SOIL SAMPLE LOCATIONS
2/94 SOIL SAMPLE LOCATIONS
6/94 SOIL SAMPLE LOCATIONS
8/94 SOIL SAMPLE LOCATIONS
3/95 PROP. SOIL SAMPLE LOCATIONS
JUNE 29-30, 1995 ADDITIONAL SAMPLE LOCATIONS
OVERHEAD CRANE FOUNDATION
ND=NONE DETECTED
BC=RESULTS DETECTED BELOW ALL NJDEPE CLEANUP CRITERIA
RESULTS REPORTED IN mg/kg (PPM)
SCALE: 1" 15'
15 7.5 0 15
FIGURE 8
CAMPBELL FOUNDRY COMPANY
HARRISON, NEW JERSEY
SOIL SAMPLE LOCATIONS WITH ISOPLETHS
HUDSON ENVIRONMENTAL SERVICES, INC.
4 MARK ROAD, SUITE C, KENILWORTH, NJ 07033
DRAWN: DCD DATE: 3/14/95
REVISED: AM DATE: 8/17/95

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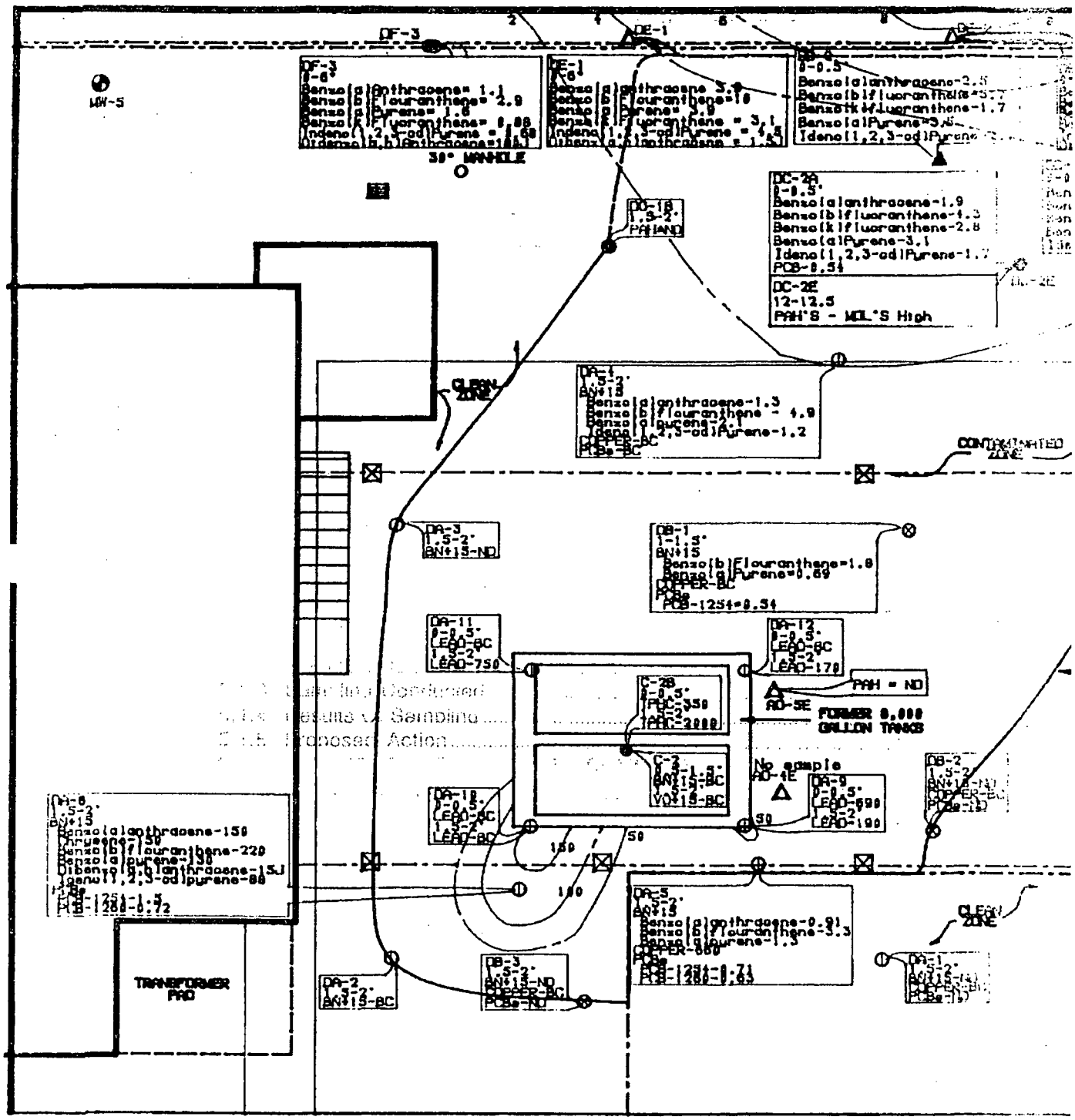
DF-3
DE-1
MW-5
30" MANHOLE
DC-2A
0-0.5'
Benzo(a)anthracene-1.9
Benzo(b)fluoranthene-4.3
Benzo(k)fluoranthene-2.8
Benzo(a)Pyrene-3.1
Ideno(1,2,3-cd)Pyrene-1.7
PCB-0.54
DC-2E
12-12.5
PAH'S - MOL'S High
DC-1B
1.5-2'
PAHAND
CLEAN ZONE
DA-1
1.5-2'
BN+15
Benzo(a)anthracene-1.3
Benzo(b)fluoranthene - 4.9
Benzo(a)pyrene-2.1
Ideno(1,2,3-cd)Pyrene-1.2
COPPER-BC
PCBs-BC
CONTAMINATED ZONE
DA-3
1.5-2'
BN+15-ND
DB-1
1-1.5'
BN+15
Benzo(b)Flouranthene-1.8
Benzo(a)Pyrene-0.89
COPPER-BC
PCBs
PCB-1254-0.34
DA-11
0-0.5'
LEAD-BC
1.5-2'
LEAD-750
DA-12
0-0.5'
LEAD-BC
1.5-2'
LEAD-170
PAH = ND
C-2B
0-0.5'
PAC-350
1.5-2'
PAC-2000
AO-5E
FORMER 8,000 GALLON TANKS
C-2
0-1.5'
BN+15-BC
1.5-2'
VOA15-BC
No sample
AO-4E
DA-9
0-0.5'
LEAD-690
1.5-2'
LEAD-190
DB-2
1.5-2'
BN+15-ND
COPPER-BC
PCBs-ND
DA-1B
0-0.5'
LEAD-BC
1.5-2'
LEAD-BC
150
100
50
DA-8
1.5-2'
BN+15
Benzo(a)anthracene-150
Chrysene-130
Benzo(b)flouranthene-220
Benzo(a)pyrene-130
Dibenzo(a,h)anthracene-15J
Ideno(1,2,3-cd)pyrene-80
PCBs
PCB-1254-1.5
PCB-1260-0.72
DA-5
1.5-2'
BN+15
Benzo(a)anthracene-0.91
Benzo(b)flouranthene-3.3
Benzo(a)pyrene-1.3
COPPER-600
PCBs
PCB-1254-0.71
PCB-1260-0.63
CLEAN ZONE
DA-1
1.5-2'
BN+15-ND
COPPER-BC
PCBs-ND
TRANSFORMER PAD
DA-2
1.5-2'
BN+15-BC
DB-3
1.5-2'
BN+15-ND
COPPER-BC
PCBs-ND

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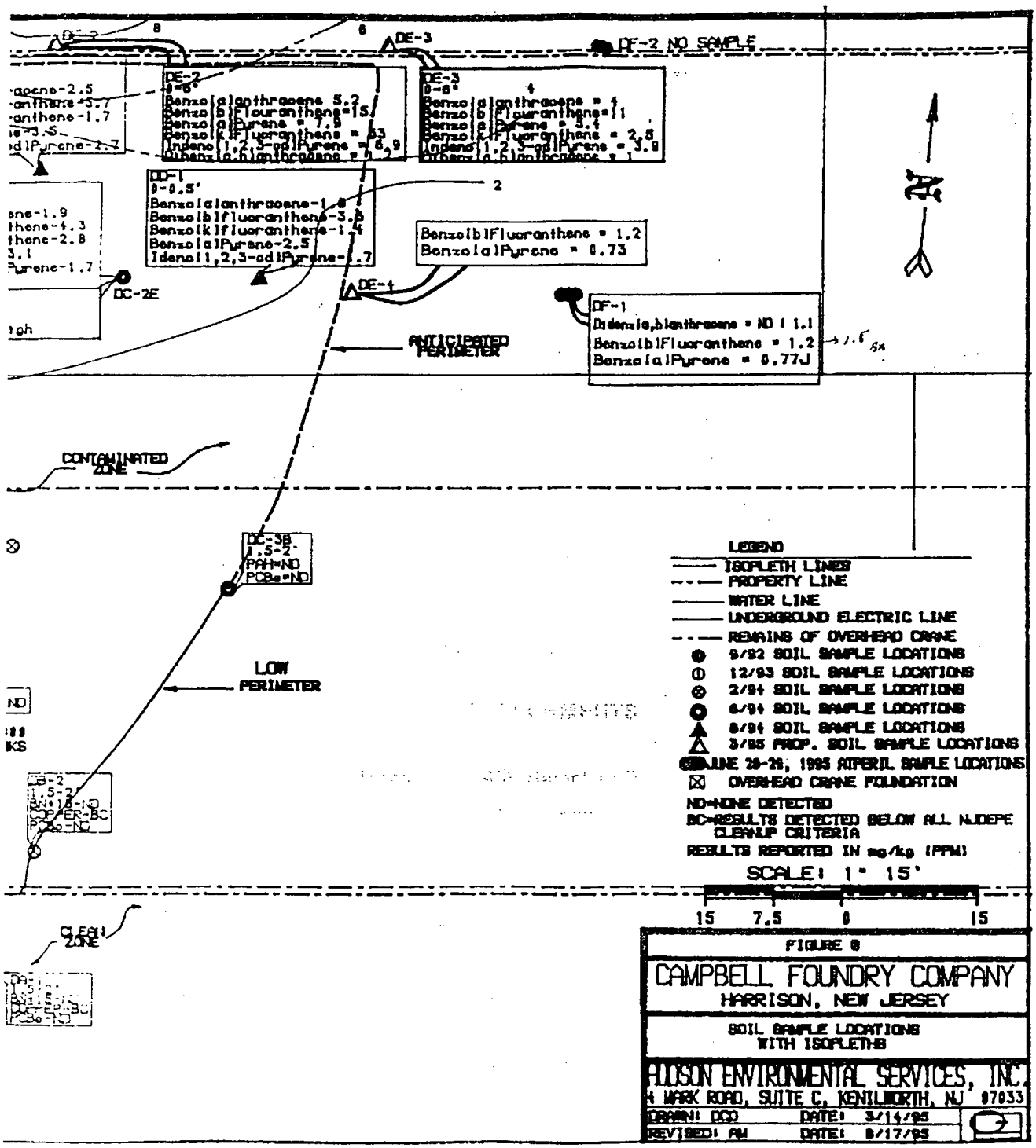
DE-2
0-6"
Benzo(a)anthracene 5.2
Benzo(b)Fluoranthene=15
Benzo(a)Pyrene = 7.9
Benzo(k)Fluoranthene = 3.3
Indeno(1,2,3-cd)Pyrene = 6.9
Dibenz(a,h)anthracene = 1.2
DE-3
0-6"
Benzo(a)anthracene = 4
Benzo(b)Fluoranthene=11
Benzo(a)Pyrene = 5.1
Benzo(k)Fluoranthene = 2.8
Indeno(1,2,3-cd)Pyrene = 3.9
Dibenz(a,h)anthracene = 1
DE-2 NO SAMPLE
DD-1
0-0.5'
Benzo(a)anthracene-1.8
Benzo(b)fluoranthene-3.8
Benzo(k)fluoranthene-1.4
Benzo(a)Pyrene-2.5
Idenol1,2,3-cd)Pyrene-1.7
Benzo(b)Fluoranthene = 1.2
Benzo(a)Pyrene = 0.73
DC-2E
DE-1
DF-1
Dibenz(a,h)anthracene = ND / 1.1
Benzo(b)Fluoranthene = 1.2
Benzo(a)Pyrene = 0.77J
ANTICIPATED PERIMETER
CONTAMINATED ZONE
DC-3B
1.5-2
PAH=ND
PCBs=ND
LOW PERIMETER
CB-2
1.5-2
PAH=ND
COPPER=BC
PCBs=ND
CLEAN ZONE
LEGEND
ISOPLETH LINES
PROPERTY LINE
WATER LINE
UNDERGROUND ELECTRIC LINE
REMAINS OF OVERHEAD CRANE
9/92 SOIL SAMPLE LOCATIONS
12/93 SOIL SAMPLE LOCATIONS
2/94 SOIL SAMPLE LOCATIONS
6/94 SOIL SAMPLE LOCATIONS
8/94 SOIL SAMPLE LOCATIONS
3/95 PROP. SOIL SAMPLE LOCATIONS
JUNE 20-26, 1995 APRIL SAMPLE LOCATIONS
OVERHEAD CRANE FOUNDATION
ND=NONE DETECTED
BC=RESULTS DETECTED BELOW ALL NJDEPE CLEANUP CRITERIA
RESULTS REPORTED IN mg/kg (PPM)
SCALE: 1" 15'
15 7.5 0 15
FIGURE 8
CAMPBELL FOUNDRY COMPANY
HARRISON, NEW JERSEY
SOIL SAMPLE LOCATIONS WITH ISOPLETHS
HUDSON ENVIRONMENTAL SERVICES, INC.
4 MARK ROAD, SUITE C, KENILWORTH, NJ 07033
DRAWN: DCD DATE: 3/14/95
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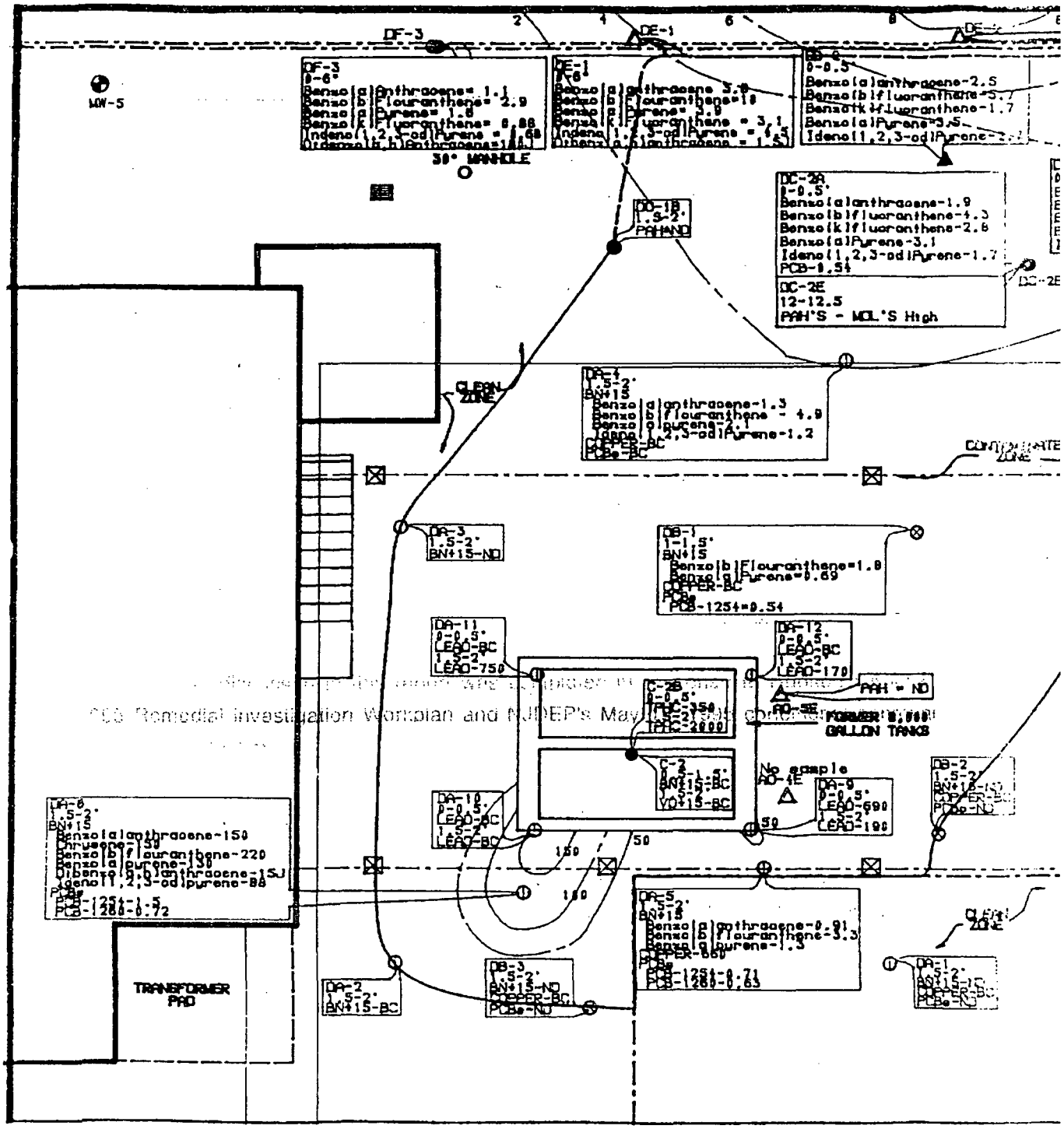
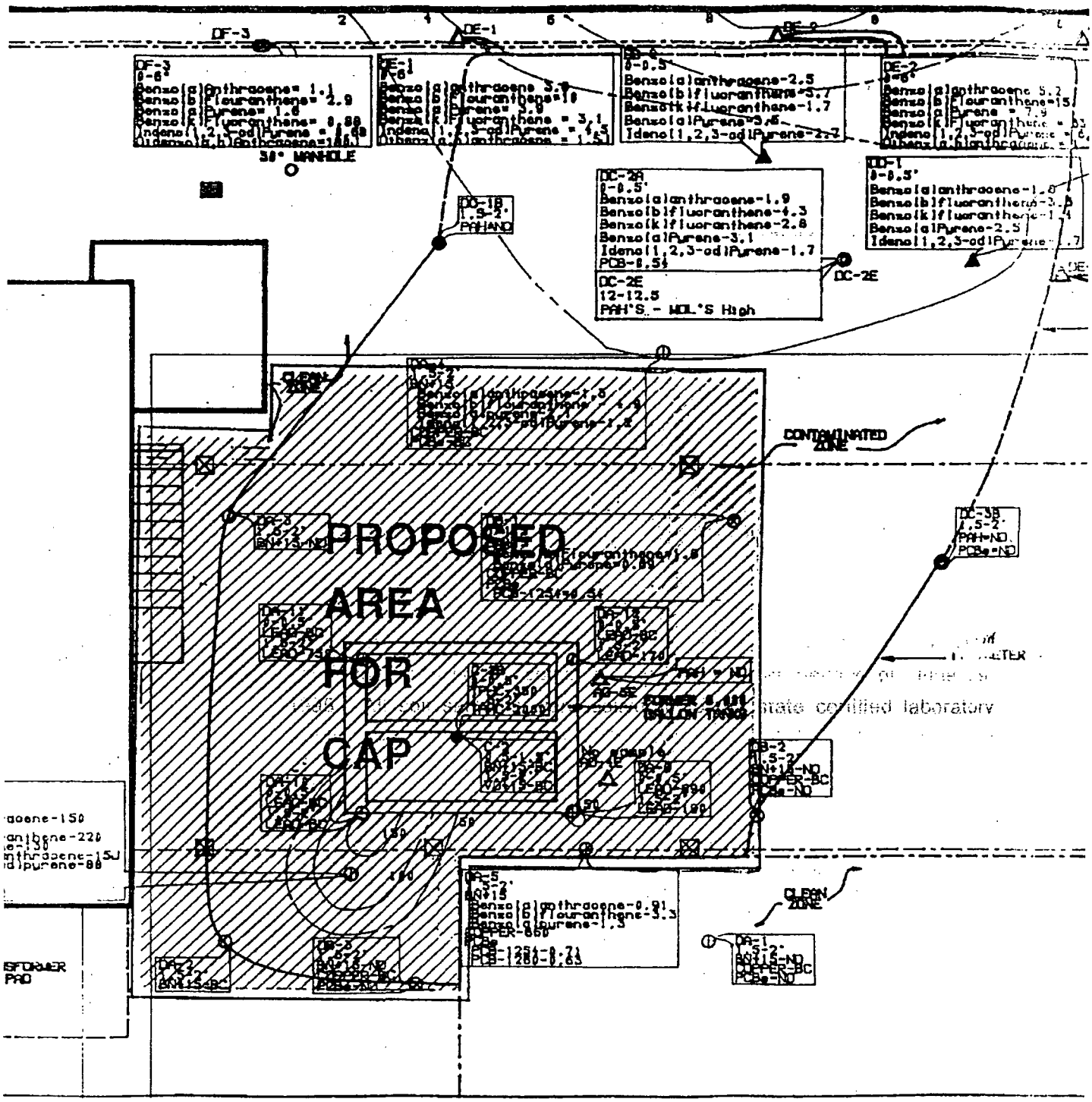

DF-3
DE-1
MW-5
30" MANHOLE
DF-3
0-6'
Benzo(a)anthracene= 1.1
Benzo(b)fluoranthene= 2.9
Benzo(a)Pyrene= 1.6
Benzo(k)Fluoranthene= 0.88
Indeno(1,2,3-cd)Pyrene = 1.68
DE-1
0-6'
Benzo(a)anthracene 3.9
Benzo(b)fluoranthene=18
Benzo(a)Pyrene= 3.9
Benzo(k)Fluoranthene = 3.1
Indeno(1,2,3-cd)Pyrene = 6.5
Dibenz(a,h)anthracene = 1.5
DB-6
0-0.5'
Benzo(a)anthracene-2.5
Benzo(b)fluoranthene-5.7
Benzo(k)fluoranthene-1.7
Benzo(a)Pyrene-3.5
Indeno(1,2,3-cd)Pyrene-2.1
DD-1B
1.5-2'
PAH-ND
DC-2A
0-0.5'
Benzo(a)anthracene-1.9
Benzo(b)fluoranthene-4.3
Benzo(k)fluoranthene-2.8
Benzo(a)Pyrene-3.1
Indeno(1,2,3-cd)Pyrene-1.7
PCB-0.54
DC-2E
12-12.5
PAH'S - MOL'S High
DC-2E
CLEAN ZONE
DA-4
1.5-2'
BN+15
Benzo(a)anthracene-1.3
Benzo(b)fluoranthene - 4.9
Benzo(a)pyrene-4.1
Indeno(1,2,3-cd)Pyrene-1.2
COPPER-BC
PCBs-BC
CONTAMINATED ZONE
DA-3
1.5-2'
BN+15-ND
DB-1
1-1.5'
BN+15
Benzo(b)Fluoranthene=1.8
Benzo(a)Pyrene=0.69
COPPER-BC
PCBs
PCB-1254=0.54
DA-11
0-0.5'
LEAD-BC
1.5-2'
LEAD-750
DA-12
0-0.5'
LEAD-BC
1.5-2'
LEAD-170
PAH - ND
AO-5E
FORMER 8,000 GALLON TANKS
C-2B
0-0.5'
TPHC-350
1.5-2'
TPHC-2000
C-2
0-1.5'
BN+15-BC
1.5-2'
VOC+15-BC
No sample
AO-4E
DA-9
0-0.5'
LEAD-690
1.5-2'
LEAD-190
DB-2
1.5-2'
BN+15-ND
COPPER-BC
PCBs-ND
DA-10
0-0.5'
LEAD-BC
1.5-2'
LEAD-BC
150
50
DA-6
1.5-2'
BN+15
Benzo(a)anthracene-150
Chrysene-150
Benzo(b)fluoranthene-220
Benzo(a)pyrene-130
Dibenz(a,h)anthracene-15J
Indeno(1,2,3-cd)pyrene-88
PCBs
PCB-1254-1.5
PCB-1260-0.72
DA-5
1.5-2'
BN+15
Benzo(a)anthracene-0.91
Benzo(b)fluoranthene-3.3
Benzo(a)pyrene-1.3
COPPER-BC
PCBs
PCB-1254-0.71
PCB-1260-0.63
CLEAN ZONE
DA-1
1.5-2'
BN+15-ND
COPPER-BC
PCBs-ND
TRANSFORMER PAD
DA-2
1.5-2'
BN+15-BC
DB-3
1.5-2'
BN+15-ND
COPPER-BC
PCBs-ND



DF-3
DE-1
DE-2
30" MANHOLE
DC-2A
0-0.5'
Benzo(a)anthracene-1.9
Benzo(b)fluoranthene-4.3
Benzo(k)fluoranthene-2.8
Benzo(a)Pyrene-3.1
Ideno(1,2,3-cd)Pyrene-1.7
PCB-0.54
DC-2E
12-12.5
PAH'S - MOL'S High
DC-1B
1.5-2'
PAH=ND
DC-2E
CLEAN ZONE
CONTAMINATED ZONE
PROPOSED
AREA
FOR
CAP
DC-3B
1.5-2'
PAH=ND
PCBe=ND
CLEAN ZONE

TAE000410

State of New Jersey
Department of Environmental Protection

Christine Todd Whitman
Governor

Robert C. Shinn, Jr
Commissioner

NOV 29 1995

Andrew Kondracki
Hudson Environmental Services, Inc.
4 Mark Road, Suite C
Kenilworth, NJ 07033

RE: Campbell Foundry Company
Harrison City, Hudson County
ISRA Case #92202

Dear Mr. Kondracki:

The New Jersey Department of Environmental Protection (NJDEP) has completed a review of the Remedial Investigation Report and proposed Remedial Action Workplan (RAW) dated September 15, 1995.

Based upon the review, the RAW is unacceptable since it does not address all areas of environmental concern in accordance with the Technical Requirements for Site Remediation (TRSR), N.J.A.C. 7:26E.

Campbell Foundry Company proposes that the polynuclear aromatic hydrocarbon (PAH) contamination detected in soils, roughly to the north and east of sample location DA-4, is attributable to the adjacent Worthington Dresser property. Campbell Foundry Company's sampling results do show increasing concentrations of PAH contamination in soils north toward the Worthington Dresser property. However, PAHs are not mobile contaminants and Campbell Foundry Company offers no explanation of how the migration of these contaminants from the Worthington Dresser property onto Campbell Foundry Company's property could have occurred In fact, the highest concentrations of PAHs have been detected at sample location DA-6 located south of the former underground storage tank (UST) vault. Since elevated concentrations of PAHs have been detected above the NJDEP residential and non-residential soil cleanup criteria on both the Campbell Foundry Company and Worthington Dresser properties, and there is no evidence to suggest that the PAH contamination is due to any spills or discharges, the concentrations of PAHs can be attributable to contaminated historic fill.

Please be advised that the adjacent Worthington Dresser property is being addressed under ISRA Case #85034 as the McGraw-Edison Company.

Delineation of PAH contamination to a clean zone east of sample locations DE and DF-1 is not complete. However, if the PAH contamination is attributable to contaminated historic fill, Campbell Foundry Company may propose to establish a Declaration of Environmental Restriction (DER) with appropriate engineering controls (capping) to include the additional areas extending north and east of sample location DA-4 and east from sample locations DE-3 and DF-1

to the property line, without conducting further delineation sampling. In addition, the area proposed to be restricted and capped shall extend east to the clean zone established by samples DB-2 and DC-3B. Please be advised that engineering controls are required for areas where soil contamination exceeds the non-residential soil cleanup criteria within two feet of ground surface.

Therefore, within 30 calendar days of the receipt of this letter, Campbell Foundry Company shall prepare and submit a revised draft DER with appropriate engineering controls for the NJDEP's review; or, submit a schedule and implement further PAH contaminant delineation by sampling to establish a clean zone east of the DE-3 and DF-1 sample locations.

Campbell Foundry Company shall prepare the draft DER in accordance with the enclosed model DER and shall specify any deviations from the language in the model document to the language used in the draft DER. Campbell Foundry Company shall document the rationale for any changes made to the language contained in the model DER. Campbell Foundry Company is advised that changes to the legal content of the model DER may require a review by the NJDEP's legal staff and, therefore, may add to the processing time of the case.

In addition to polychlorinated biphenyls, PAHs and copper, Campbell Foundry Company shall include lead (Pb) in the DER, since concentrations of Pb were detected at up to 750 parts per million (ppm) in the soil in the former UST vault.

The DER shall also include specifications and maintenance requirements for the proposed engineering controls.

If Campbell Foundry Company does not concur that the soil contamination can be attributable to historic fill, however, then Campbell Foundry Company shall identify the source(s) of contamination detected in soils which Campbell Foundry Company attributes to the Worthington Dresser property, within the specified time frame.

Please be advised that sample location DF-1 in Figure 6 incorrectly lists benzo (b) fluoranthene (B(b)F) at 1.2 ppm. The concentration of B(b)F at location DF-1 is 1.5 ppm.

On February 22, 1994, the NJDEP promulgated the ISRA Fee Rule amendments at 26 N.J.R. 1142, which were proposed on April 5, 1993 at 25 N.J.R. 1375. Pursuant to the fee rule amendments, the NJDEP will bill an owner or operator according to the direct billing formula at N.J.A.C. 7:26B-1.10(f)2. At this time, the NJDEP intends to process bills on a semi-annual basis. The NJDEP encourages responsible parties to use the TRSR as well as any other NJDEP guidance documents to assist in remediation activities and thereby minimize NJDEP review time. The complexity of the environmental contamination at the site and the quality of the workplans and reports submitted to the NJDEP will dictate the oversight costs to the regulated community.

This letter was prepared by the Case Manager, Bennett Barnes. Should you have any questions please contact the Case Manager at (609) 292-7274.

Sincerely,

Linda A. Holdsworth for

Maurice Migliarino, Section Supervisor
Bureau of Environmental Evaluation
and Cleanup Responsibility Assessment

enclosure
c: J. Robert Campbell, Jr.

OVERFLOW DATA EXTRACT

WORTHINGTON AVENUE OVERFLOW CHAMBER

NPDES NO. 016/H-007
HARRISON

Chamber Location and Description

Overflow Chamber Status:	Active
Overflow to:	open ditch leading to Passaic River
Character of District Served:	primarily industrial; some residential
Overflow Location (See Plate A):	in Worthington Avenue at southerly terminus before railroad and start of meadows
District Outlet Sewer (See Plates A and B):	24" diameter VTP sewer
Outfall to River (See Plates A and B):	24" diameter VTP sewer
Outfall Condition:	obstructed (1350 ft. + in length through meadows to open ditch)
Tidal Effects:	none observed
Surcharge Effects:	surcharge observed due to outfall obstructions
Overflow and Regulator Operation (See Plates B and C):	Under normal dry weather flow conditions, the flow is diverted to the PVSC interceptor via the regulator. During periods of rainfall, a portion of the combined flow enters the interceptor, with the balance overflowing the stop logs and being discharged through the outfall line into the Passaic River. NOTE: Overflow estimated based on outfall pipe capacity

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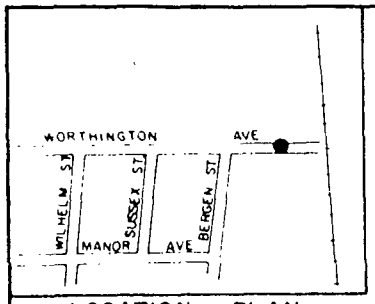


LOCATION PLAN

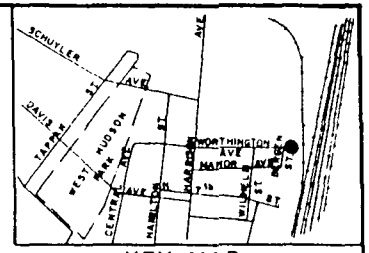
SCALE IN FEET

NOTES

1. ALL SIDE PIPELINES EXCEPT PVSC MAIN INTERCEPTOR ARE OMITTED IN PROFILE FOR CLARITY.
2. REGULATOR IS LOCATED AT WORTHINGTON AVENUE AND HARRISON AVENUE (SEE KEY MAP)

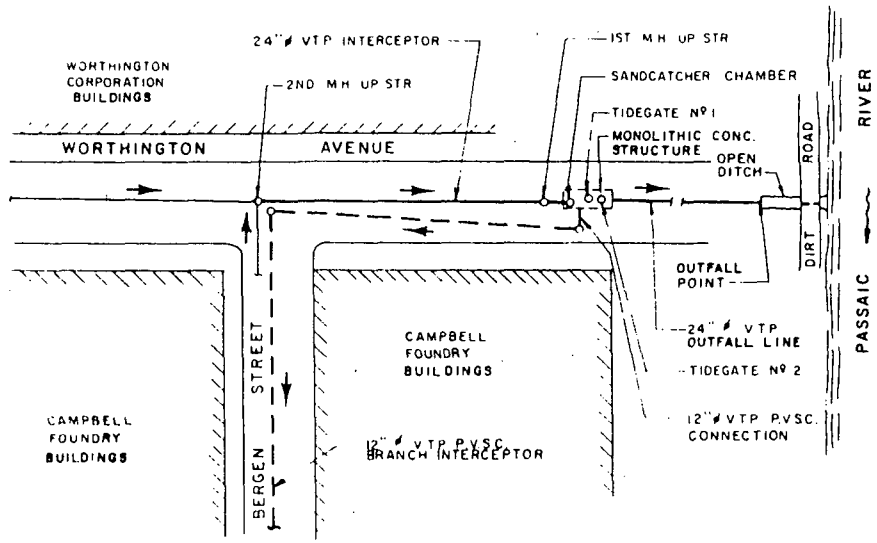
LEGEND

→ DIRECTION OF FLOW
S.C. = SAND CATCHER
T.G. = TIDE GATE
UP STR. = UPSTREAM
DN STR. = DOWNSTREAM
N.T.S. = NOT TO SCALE
V.T.P. = VITRIFIED TILE PIPE
● = OVERFLOW LOCATION



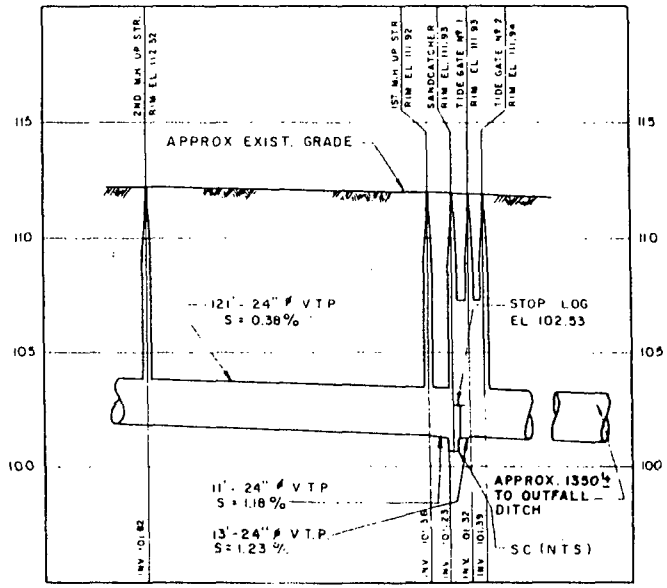
KEY MAP

SCALE IN FEET



PLAN

SCALE IN FEET



PROFILE

HORIZ SCALE IN FEET

VERT SCALE IN FEET

ALL ELEVATIONS BASED ON B.M. Nº 1287 AS ESTABLISHED BY PAUL J. EMILIUS & ASSOCIATES FOR LOCATION AND DESCRIPTION SEE APPENDIX

PASSAIC VALLEY SEWERAGE COMMISSIONERS

OVERFLOW CHAMBER Nº 016/H-007

WORTHINGTON AVENUE, HARRISON

PLAN AND PROFILE

ELSON T. KILLAM ASSOCIATES INC

Environmental and Hydraulic Engineers

PLATE A

TAE000457

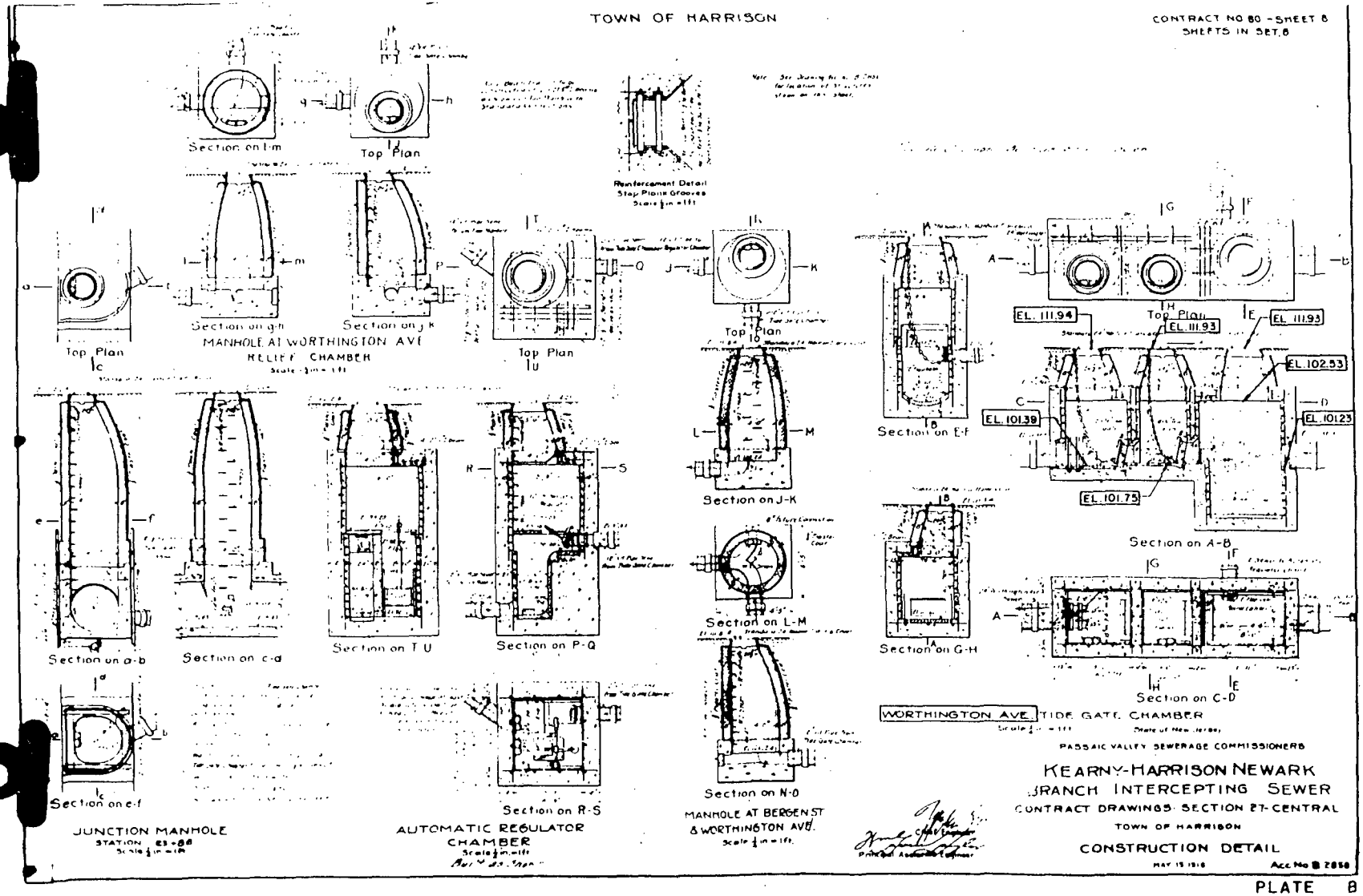
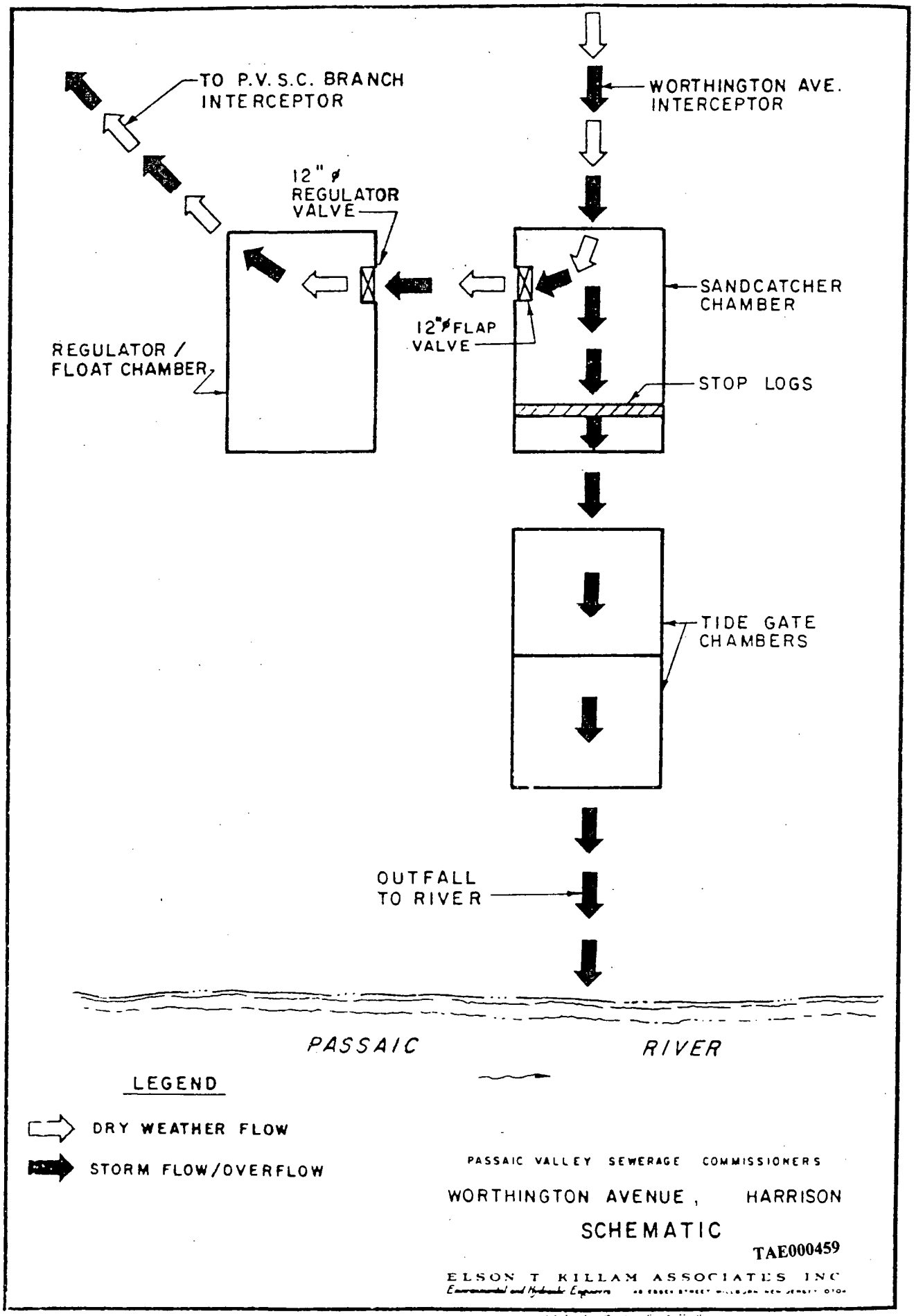


PLATE 8

KLLC 16637
TAE000458



PASSAIC VALLEY SEWERAGE COMMISSIONERS

WORTHINGTON AVENUE, HARRISON

SCHEMATIC

TAE000459

ELSON T. KILLAM ASSOCIATES INC
Environmental and Hydraulic Engineers

WORTHINGTON AVENUE OVERFLOW CHAMBER (NPDES NO. 016/H-007) (Cont'd.)

Condition of Regulator:	appears inoperable
Special Actions Required:	none
Overflow Stop Log/Dam Condition:	stop logs located in downstream end of sand catcher just before opening to first tide gate chamber
Tide Gate Condition:	both tide gates noted as leaking
Note:	During the investigation, the Overflow chambers were examined, verifying information and dimensions pertinent to this study. The verified information has been recorded on Plate B (See boxed annotations).

Area Served and Dry Weather Flow

Combined Area Served (See Plate D):	0.277 square miles-177 acres
Average Daily Flow	
Seasonal Dry Weather:	2.0 MGD (estimated)
Seasonal Wet Weather:	2.8 MGD (estimated)
Estimated Combined Flow to Produce an Overflow:	5.9 MGD
Approximate Length of Combined Sewers Serving District:	32,100 linear feet

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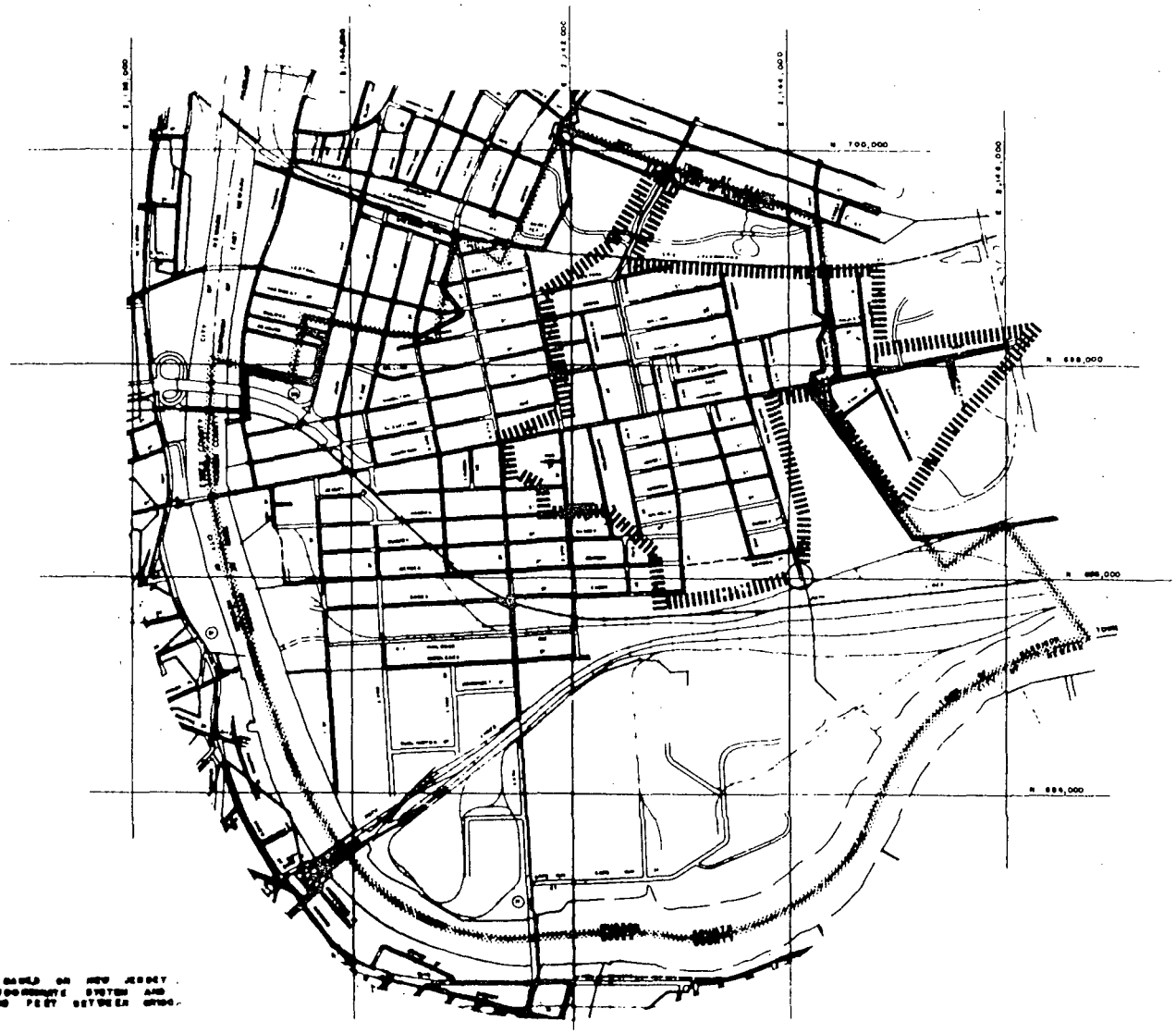

LEGEND

- MUNICIPAL BOUNDARY
- SEWERAGE BOUNDARY
- MANHOLE
- TERMINAL MANHOLE
- PVSC TRUNK SEWER
- LOCAL SEWER
- FORCE MAIN
- PUMPING STATION
- SIPHON AND SIPHON CHAMBER
- DELINEATION OF SUB AREA
- WORTHINGTON AVENUE OVERFLOW CHAMBER
- WORTHINGTON AVENUE COLLECTION SYSTEM

NOTE

PLAN GRID IS BASED ON NEW JERSEY STATE PLANE COORDINATE SYSTEM AND [illegible] 5000 FEET BETWEEN GRIDS.

SCALE IN FEET

PASSAIC VALLEY SEWERAGE COMMISSIONERS

WORTHINGTON AVENUE, HARRISON

PLAN OF COLLECTION SYSTEM

GILSON T. BILLAM ASSOCIATES INC

PLATE D

TAE000461

KL016639

WORTHINGTON AVENUE OVERFLOW CHAMBER (NPDES NO. 016/H-007)(Cont'd.)

Breakdown of Combined Sewers:	Size Range	Linear Feet
	8" & 10" diam.	22,000
	12" - 18" diam.	5,900
	20" - 24" diam.	4,200

Storm Water Overflows

Flow Measurement and Sampling Equipment Installed in:	Flow measurement based on pipe capacity. Sampler installed in sand catcher chamber.
Samples Collected:	Four 125-ml. samples each 3.75 minutes, compositing a 500-ml. sample each 15-minute period.
Activation of Sampler:	upon flow over stop logs/dam
Period of Observation:	N/A- No metering at this location
No. of Rainfall Occasions During Period:	N/A
No. of Overflows Observed:	none
No. of Meter Installations During Overflows:	Not Applicable (N/A)
No. of Overflows Recorded During Period:	N/A
Note: See Table 1	Table 1 presents pertinent data regarding rainfall characteristics, overflow measurements, and waste-water quality observed.

KLLC16640

TABLE 1
OVERFLOW OBSERVATIONS

WORTHINGTON AVENUE, HARRISON, N.J. NPDES NO. 016/H-007

	RAINFALL					OVERFLOW				SAMPLING - WATER QUALITY													
											TSS				COD				BOD				
Rain Date	Amount (In.)	Duration (Hrs.)	Average Intensity (In/Hr.)	Maximum Intensity (In/Hr.)	Duration (Hrs.)	Peak Rate (MGD)	Average Rate (MGD)	Volume (MG)	Sampling Duration (Hrs.)	Number of Samples	1st	Max	Min	Avg	1st	Max	Min	Avg	1st	Max	Min	Avg
											(mg/l)				(mg/l)				(mg/l)				
5-12/13	0.47	5.75	0.082						3.50	14	210	210	210	210.0	1504	1504	65	357.7	287	287	15	75.0
5-13	1.05	4.50	0.233						2.00	8	NO RESULTS				136	64	104	131.0	64	105	34	60.1
5-21	0.05	2.00	0.025						19.00	19	56	56	56	56.0	216	556	36	175.0	91	165	5	58.7

NOTE: NO METERING DONE AT THIS LOCATION - OVERFLOW BASED ON PIPE CAPACITY (9 MGD INCOMING LINE TO CHAMBER).

TAE000463

WORTHINGTON AVENUE OVERFLOW CHAMBER (NPDES NO. 016/H-007) (Cont'd.)

Range of Rainfall Observed:	N/A -- Not Applicable
Range of Rainfall Duration:	N/A
Range of Average Rainfall Intensity:	N/A
Range of Average Rainfall Intensity vs. Duration producing no overflow (Table 1 and Plate E):	N/A
Range of Average Rainfall Intensity vs. Duration producing an overflow (Table 1 and Plate E):	N/A
Estimated Time of Concentration (Tc) to Overflow Chamber:	26 minutes
Range of Maximum Rainfall Intensity (i.e., during Tc) producing an overflow (Table 1):	N/A

Note: Overflow Prediction

Plate E presents the relationship of Average Intensity vs. Duration of Rainfall to describe conditions of overflow. The curve indicates a range of Intensities vs. Duration for which an overflow might be expected to occur.

Plate E - N/A

KLLC1664
TAE000464

WORTHINGTON AVENUE OVERFLOW CHAMBER (NPDES NO. 016/H-007) (Cont'd.)

Range of Overflow Duration Observed:	N/A
Range of Peak Rate of Overflow Observed:	* 9 MGD (estimate based on outfall pipe capacity)
Range of Overflow Volume Observed:	* 0.1-1.0 MG, dependent on storm duration
Data for Maximum Observed Overflow:	Date: Volume: N/A Peak Rate: Duration:

* Estimate only-not observed, and based on clear outfall

Note: Overflow Rate Estimation

Plate F presents the relationship of Maximum Rainfall Intensity vs. Peak Overflow Rate.

Plate F - N/A

KLL016643
TAE000465

WORTHINGTON AVENUE OVERFLOW CHAMBER (NPDES NO. 016/H-007) (Cont'd.)

Storm Water Overflow Characteristics

Note:	Samples of Sanitary Flow (Baseline), as well as of Combined Flow during overflow, were analyzed, with results tabulated in the Appendix.
Parameters:	pH, TSS, VSS, COD, TOC, BOD, and Lithium determined for each sample. (See Appendix).
Parameters used in Analysis:	TSS, COD, and BOD.
Notes:	Data presented graphically for rainfall of May 13, 1975. TSS, COD, and BOD, as well as flow data for storm and baseline.

Water quality data in Table 1 (Overflow Observations) are arranged to indicate the results of the first 15-minute sample, as a reference to possible initial strength at the onset of an overflow, as well as to indicate the maximum and minimum concentrations during the overflow period. An arithmetic mean (average) concentration is also listed for each characteristic, based on the number of samples obtained during the period of overflow.

KLL016644
TAE000466

WORTHINGTON AVENUE OVERFLOW CHAMBER (NPDES NO. 016/H-007) (Cont'd.)

Storm Sampling (mg/l):

	Maximum	Minimum	Average
TSS	210	56	133
COD	358	131	221
BOD	75	59	65

Total Pounds for Observed Overflow:

Overflow Volume: N/A

TSS		lbs.
COD	No Data *	lbs.
BOD		lbs.

Baseline Sampling (mg/l):

	Maximum	Minumum	Average
TSS	176	4	42
COD	544	36	159
BOD	NO RESULTS		

* No metering at this location.

KLL016645
TAE000467

ANNUAL REPORT

by

Chief Engineer

S. A. LUBETKIN

to the

PASSAIC VALLEY

SEWERAGE COMMISSIONERS

FOR OPERATIONS DURING

THE YEAR

1975

KLE004822

TAF000574

SPECIAL REPORT #5 (FROM JANUARY-FEBRUARY 1975 REPORT)

THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

As everyone knows, or should know by now, all dischargers into "navigable" waters of the United States are required to apply for a NPDES Permit from the USEPA. This is required by the Federal Water Pollution Control Act Amendments of 1972, Public Law 92-500, Section 402(a)(1) et seq, (33 U.S.C. Par. 1251-1376). The "navigable" waters are defined in the Act as "the waters of the United States, including the territorial seas" Sec. 502(7).

This refers to any discharges from industries, municipalities, sewer authorities, etc., which may contain polluting materials. This requirement is probably the best single requirement in the Act, as it will enable the USEPA, once and for all, to make an accurate assessment of the total pollution in the United States.

The Permit itself can be quite an extensive document, depending upon the particular discharge being permitted.

Generally speaking, each permit locates the discharge and the receiving waters. It defines the allowable quality and quantity, and if the discharge exceeds legal standards, it sets a "Schedule of Compliance" with interim dates of performance. It sets up monitoring and report requirements so that the USEPA is able to tell if violations occur and that compliance schedules are being met.

In addition, if the permittee is a municipality or a public authority, there are many other requirements such as mandatory controls of connected industrial discharges, pretreatment requirements, cost recovery requirements, infiltration requirements, etc.

The PVSC had received its NPDES Permit effective February 28, 1975 and had started implementing the vast data gathering necessary to translate the Federal Guidelines into regulations. In order to fully comply, cooperation is needed from both industrial users and municipal users. To inform the major industries what was expected from them, the PVSC had set two days of meetings (March 25 and 26) with four separate meetings of three hours each (this was necessary, since all industries could not be accommodated at once). Attendance was by invitation only (because of the limitation on space).

The municipalities were informed by letter of what was required of them, and a similar conference will be held at a later date to discuss PVSC rules and regulations.

The following are the critical dates and requirements of the Passaic Valley Sewerage Commissioners' Permit:

(1) Self-monitoring reports are to be on a quarterly basis and must be submitted within 28 days after the end of each report period. The first report period started March 1, 1975 and ended May 31, 1975, with subsequent report periods ending August 31, November 30, and February 28/29. (This is EPA Form 3320-1)

(2) On March 31 and September 30 of each year, PVSC must submit a report summarizing the progress of all non-complying major industries subject to pretreatment requirements with details, as included in the Permit.

The first report (March 31, 1975) contained a proposed schedule for determining the required pretreatment information. After approval by EPA, PVSC shall implement the schedule.

(3) The following compliance schedules are in the Permit and a report must be made to EPA within 14 days following each date on the schedule:

(a) August 31, 1975 - PVSC must initiate whatever actions are needed to enable PVSC to enforce all pretreatment requirements necessary, and PVSC must notify the Regional Administrator and the State Agency of actions it intends to take to comply with this (pretreatment standard) regulation.

(b) August 31, 1975 - PVSC must report to EPA on the maximum treatable flow rates for the treatment plant or any complete unit process.

(c) February 28, 1976 - PVSC shall report to EPA on a proposed method for estimating the number and location of new sewer connections, which will be served by combined sewers, and a proposed method for estimating the impact of additional flows generated by these sewer connections on the volume of discharges from the combined sewer.

(d) February 28, 1976 - PVSC shall submit a detailed design report, together with plans and specifications, together with a Step 3 Grant Application, on upgrading their facilities.

(e) June 30, 1976 - PVSC shall submit to the EPA an interim operational plan designed to minimize the discharge of pollutants from combined sewer overflows and by-passes.

(f) August 31, 1976 - PVSC shall submit the results of its Phase I Infiltration/Inflow Analysis.

(g) August 31, 1976 - PVSC shall submit to EPA the analysis of overflows and by-passes due to rain fall, including the duration curves to determine quality of by-pass storm water and its effect on the river.

(h) December 31, 1976 - PVSC shall apply for a renewal of the NPDES Permit, which expires June 30, 1977.

(i) June 30, 1977 - PVSC shall make a report with recommendations concerning alternate plans for corrective action for alleviating and/or treating of overflow discharges, including cost estimates.

ANNUAL REPORT

by

Chief Engineer

S. A. LUBETKIN

to the

PASSAIC VALLEY

SEWERAGE COMMISSIONERS

FOR OPERATIONS DURING

THE YEAR

1976

KLL004993

TAE000578

SPECIAL REPORT #4
(FROM AUGUST-SEPTEMBER 1976)

PVSC REGULATIONS AND A MODEL SEWER ORDINANCE FOR MUNICIPALITIES DISCHARGING INTO THE PVSC SYSTEM

As everyone knows, the treatment facilities of the PVSC must be updated to comply with the Federal standards established under P.L. 92-500. Over the last several years the Commissioners have taken the necessary action which will result in the construction of new secondary treatment facilities.

The costs for such facilities are very great. Our estimates are in the area of $500,000,000. On those portions of the construction plan which have already been approved, we have been fortunate to obtain commitments of 75% Federal funding. However the Federal funds which are available are subject to grant conditions and included in the grant conditions is the Federal requirement, as a prerequisite to our receiving the Federal funds, that sewer use ordinances must be adopted by all of the municipalities serviced by the PVSC's treatment plant.

Apart from the requirements of the grant conditions, under the provisions of the Federal Water Pollution Control Act of 1972, a new system of discharge permits was initiated. In order to continue the PVSC discharge into New York Harbor, PVSC must comply with the terms of the discharge permit issued by the Federal Government. Included in the conditions of the PVSC discharge permit (NJ0021016) is the requirement for the adoption of sewer use ordinances. It is to be noted that the Federal statute provides that any violation of a discharge permit condition constitutes a civil and criminal offense.

At their board meeting of April 8, 1976, the Passaic Valley Sewerage Commissioners adopted the "Rules and Regulations of the PVSC Concerning Sewer Connection Permits". On April 12, 1976 copies of the Rules and Regulations were sent to each user municipality along with a letter of explanation.

Although the PVSC had, in the past, conducted several conferences with its user municipalities to keep them apprised of the Federal Regulations, another one was held on May 20, 1976 wherein the PVSC, Federal and State regulations were reviewed and they were notified that PVSC would have its staff prepare a model ordinance to assist the municipalities in conforming with PVSC regulations.

We prepared such an ordinance, which incorporated all of the requirements of the United States Environmental Protection Agency as well as the New Jersey Department of Environmental Protection, and submitted it to the United States Environmental Protection Agency as well as to the New Jersey Department of Environmental Protection,which in turn, have commented upon and finally approved it.

Since, not only is PVSC required to make periodic reports to the USEPA of non-compliance with permit conditions, but the flow of Federal Funding for the PVSC project would be interrupted by non-compliance with the grant conditions, PVSC requested that we be informed within 30 days of the name of the individual within each municipality that would act as liaison between that municipality and the PVSC and further, a timetable concerning the adoption of the ordinance.

This, of course, is important since any interruption in the Federal flow of such a large amount of money would require the PVSC to impose the costs directly upon the municipalities, since the PVSC would have construction contracts, which must be paid.

This proposed ordinance, reproduced on the following pages, which works in conjunction with PVSC Rules and Regulations Concerning Sewer Connection Permits (also included for reference), was sent to each user municipality on September 29, 1976 for the purpose of having the ordinance introduced and adopted by them.

It is to be noted that as of December 31, 1976, fifteen of the thirty participating municipalities responded to PVSC indicating the ordinance would be passed. PVSC will follow up on the remaining municipalities for compliance during 1977.

PROPOSED MODEL ORDINANCE FOR MUNICIPALITIES

AN ORDINANCE REGULATING THE USE OF SEWERS AND THE DISPOSAL OF WASTE WATER AND PROVIDING PENALTIES FOR THE VIOLATION THEREOF.

BE IT ORDAINED by the of of County, as follows:

1. Whenever used in the within ordinance, the following terms shall have the following meaning:

a. "Flotable oil" is oil, fat or grease in a physical state such that it will separate by gravity from wastewater by treatment in an approved pretreatment facility. A wastewater shall be considered free of flotable fat if it is properly pretreated and the wastewater does not interfere with the collection system.

b. "Industrial wastes" shall mean the wastewater from industrial processes, trade, or business as distinct from domestic or sanitary wastes.

c. "Industrial Cost Recovery". A charge to industrial users based on its use of PVSC facilities to repay the capital cost outlay of the Federal Share given PVSC under the provisions of applicable Federal law allocable to the treatment of the wastes from the industrial user.

d. "Industrial User", Any non-governmental user of PVSC facilities identified in the Standard Industrial Classification Manual 1972 as amended and supplemented under Divisions A,B,D,E or I. A user may be excluded if it is determined that it introduces primarily segregated sanitary wastes.

e. "Industrial Waste". The liquid waste from an industrial process, as distinct from sanitary waste. All wastes, except storm waters and sanitary wastes.

f. "Major Industry". An industrial user of PVSC facilities that: (a) has a flow of 50,000 gallons or more per average work day; (b) has in its waste, a toxic pollutant in toxic amounts; or, (c) is found by USEPA, NJDEP or PVSC to have significant impact, either singly or in combination with other contributing industries, in the PVSC treatment works or upon the quality of the effluent from the PVSC treatment works.

g. "Natural outlet" shall mean an outlet, including storm sewers and combined sewer overflows, into a watercourse, pond, ditch, lake or other body of surface or groundwater including the Passaic River or any of its tributaries.

h. "NJDEP" New Jersey Department of Environmental Protection.

i. "NPDES" National Pollution Discharge Elimination System.

j. "Person" shall mean any individual, firm, company, society, association, corporation (public or private) or group.

k. "pH". The reciprocal of the logarithm of the hydrogen ion concentration. The concentration is the weight of hydrogen ions, in grams, per liter of solution. Neutral water has a pH value of 7 (a hydrogen concentration of 10^{-7}). Lower pH's are acid, higher pH's are alkaline.

l. "Pretreatment". Treatment given to industrial waste, prior to its discharge, directly or indirectly, to the PVSC facilities, by the industry, in order to remove illegal and/or undesirable constituents or to reduce the strength of the waste.

m. "PVSC" Passaic Valley Sewerage Commissioners

n. "Public Sewer" shall mean a common sewer controlled by a governmental agency, public utility, or the municipality.

o. "Sanitary Sewer", shall mean a sewer that carries liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions together with minor quantities of ground, storm and surface waters that are not admitted intentionally.

p. "Sanitary Waste". Waste derived principally from dwellings, office buildings, and sanitary conveniences, When Segregated from industrial wastes, may come from industrial plants or commercial enterprises.

q. "Sewage" is the spent water of a community. The preferred term is "wastewater.

r. "Sewer" shall mean a pipe or conduit that carries waste water or drainage water.

s. "Slug" shall mean any discharge of water or wastewater which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration or flows during normal operation.

t. "Storm drain" (sometimes called "storm sewer") shall mean a drain or sewer for conveying water, groundwater, subsurface water, or unpolluted water from any source.

u. "Strength of Waste". A measurement of suspended solids, and/or Biochemical Oxygen Demand and/or Chemical Oxygen Demand, and/or any other parameter determined by PVSC as a fair indicator of the relative use, other than volumetric, of PVSC facilities by industrial wastes.

v. "Suspended Solids" shall mean total suspended matter that either floats on the surface of, of is in suspension in, water, wastewater, or other liquids and that us removable by laboratory filtering as prescribed in "Standard Methods for the Examination of Water and Wastewater" and referred to as nonfilterable residue.

w. "Toxic Wastes in Toxic Amounts" shall be defined by USEPA in 40 CFR 129 (38 F.R. 24342, 9-7-73) and any superceding revisions.

x. "USEPA" United States Environmental Protection Agency

y. "Unpolluted water" is water of quality equal to or better than the effluent criteria in effect or water that would not cause violation of receiving water quality standards and would not be benefited by discharge to the sanitary sewers and wastewater treatment facilities provided.

z. "User Charge". A charge to users consisting of two parts. The first part established by PVSC based on volume and, where applicable, on strength and/or flow rate to pay for the use of the PVSC facilities. The second part established by the municipality to pay for the use of the local sewer system and to pay for administrative of the billing and collection of the funds.

aa. "Wastewater" shall mean the spent water of a community. From the standpoint of source, it may be a combination of the liquid and water-carried wastes from residences, commercial buildings, industrial plants, and institutions, together with any groundwater, surface water, and storm water that may be present.

bb. "Wastewater Facilities" shall mean the structures, equipment, and processes required to collect, carry away, and treat domestic and industrial wastes and dispose of the effluent.

cc. "Wastewater treatment works" shall mean the PVSC facilities.

2. It shall be unlawful to discharge into any natural outlet within the municipality any wastewater or other polluted waters, except where suitable treatment has been provided and where a National Pollution Discharge Elimination System permit has been obtained from the appropriate governmental authority, where required.

3. No unauthorized person shall uncover, make any connections with or opening into, use, alter or disturb any public sewer or appurtenance thereof without first obtaining a permit from the appropriate municipal official.

4. Application for sanitary connections for dwellings, groups of dwellings or industrial or commercial establishments with only sanitary waste, shall be made directly to the municipality. A fee shall be paid to the municipality to process the application as otherwise provided by ordinances of the municipality. The governing body of the municipality shall designate some suitable person to maintain a record of the number of sanitary applications and connections that are added and removed from the system and shall make an annual report to the Passaic Valley Sewerage Commissioners no later than February 1 of each year. When a direct connection to a PVSC sewer is requested by the applicant, the request shall first be endorsed with the approval of the governing body of the municipality and then submitted to the PVSC for their action.

5. Each existing industrial user which is presently connected directly or indirectly to the wastewater facilities of the municipality shall make application for a permit no later than 1977, whether the connection be for industrial waste or storm water. Applications for future connections must be made and approved before a certificate of occupancy may be issued. The application shall be made to the municipality by the industry that generates the waste, however, the application must be signed by the owner of the property whereon the industry is located. After approval of the application by the municipality, the application shall be forwarded to PVSC for classification and issuance of the permit by PVSC.

Any existing industrial user which proposes to make any change in its facility or its processing, which significantly affects the quality or the quantity of its discharge into the system, shall submit to the municipality an Industrial Sewer Waste Revision Application showing the contemplated changes. Any new tenant or occupant of an existing industrial user shall submit an Industrial Sewer Waste Revision Application. The application, if approved by the municipality, shall be sent to the PVSC, accompanied by the written approval of the municipality. Existing industrial users that have applied for permits may continue their discharge until their application has been processed by PVSC, except for any dischanges which constitute prohibited waste as otherwise provided in the within ordinance or unless notified by PVSC to cease and desist their discharge. No certificate of occupancy shall be issued for an industrial use until an industrial permit has been issued by the PVSC and no person shall occupy any building or structure for the purpose of a new industrial use until an industrial permit has been issued by the PVSC.

6. Industrial users shall be classified by PVSC as follows:

Category I:

Class I-A permit shall not be issued to an industry defined as a major industry and when issued shall allow the industry to discharge with no modification or pretreatment of flow.

Class I-B permit is one issued to an industry classified as a major industry. This permit shall allow the industry to discharge with no modifications or pretreatment of flow, however, PVSC may require the installation of monitoring equipment.

Category II:

Class II-A permit shall allow an industry to discharge pretreated wastes in accordance with standards established in the permit.

Class II-B permit shall allow an industry to continue to discharge, subject to change of characteristics of its waste by pretreatment or other means in accordance with a schedule as established by the PVSC in the permit.

Category III:

The permit is denied and the discharge of prohibited materials must be halted or modified by a date established by the PVSC and in accordance with conditions contained in the permit denial.

7. The PVSC classification of an application is subject to change by PVSC upon written notification from PVSC to the applicant by certified mail. Any change shall be accompanied by a detailed explanation of the reason for the change.

8. Any industry aggrieved by a permit classification by the PVSC shall have a right to appeal to the PVSC. Such an administrative appeal shall be taken within thirty (30) days of notification by PVSCto the industry of its decision. The notice of appeal shall be delivered personally to the offices of PVSC at 600 Wilson Avenue, Newark, New Jersey or shall be sent by certified mail, return receipt requested. The taking of an appeal shall not stay the provisions of a Class III denial. During the time of appeal, however, the Class II permits shall be stayed, however, the staying shall not release any industry from meeting any requirements of any schedule set by the New Jersey Department of Environmental Protection or the United States Environmental Protection Agency.

9. Upon the filing of an appeal the PVSC shall set the date and time for a hearing before the Commissioners. The applicant shall have the right to present evidence, shall have the right to be represented by counsel and shall have the right of cross examination. Upon the conclusion of the hearing, the Commissioners shall make findings of fact and conclusions.

10. All applications for industrial permits shall be submitted on forms to be supplied by PVSC and shall comply with the instructions on said form.

11. All costs and expenses incidental to the installation and connection of the building sewer shall be borne by the applicant, and the applicant shall indemnify the municipality or PVSC from any loss or damage that may be occasioned by the installation of the building sewer. All sewer connections shall be in accordance with the requirements of the municipality as otherwise provided by ordinance. In the case of the connection into PVSC sewer the connection shall be in accordance with the conditions contained in the approval of the PVSC.

12. No person shall make connection on roof downspouts, foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or drain, which in turn is connected directly or indirectly to a public sanitary sewer unless approved by the municipality for purpose of disposal of polluted surface drainage.

13. In addition to the application for the permit as hereinabove provided, each industrial user must complete an industrial survey form which will be supplied by PVSC and, from time to time, shall update the form when required by the PVSC.

14. Whenever an industry is classified as a major industry, it shall install an approved, sealed, automatic monitoring system if required by PVSC.

15. No uncontaminated water shall be discharged into the PVSC system except with the prior written consent of the municipality (and PVSC). (There will be two separate provisions, one for municipalities with separate systems and one for municipalities with combined systems.)

16. When pretreatment standards are adopted by the United States Environmental Protection Agency for any given class of industries, then any industry within that class must conform to the United States Environmental Protection Agency timetable for adherence to pretreatment requirements as well as all other applicable requirements promulgated by the United States Environmental Protection Agency in accordance with the provisions of the law. Additionally, such industries shall comply with such more stringent standards necessitated by local conditions as determined from time to time by the PVSC.

17. All industrial users shall provide immediate access to its facilities at any time during normal working hours or at any other time that there is a discharge into the PVSC system or into any waters under the jurisdiction of the PVSC. Access shall be for the purpose of checking the quality of the discharge, taking samples and making tests of the discharge or for the purpose of permitting enforcement of the within ordinance. The access shall be made available to the employees of PVSC, New Jersey Department of Environmental Protection, United States Environmental Agency and/or the municipality. All users shall provide access to property and premises for inspection for the purpose of determining if there is any violation of the terms or provisions of the within ordinance.

18. The following wastes are prohibited and may never be discharged into waste water facilities of the municipality and PVSC:

a. Wastes that may create a fire or explosion hazard in the sewer or wastewater facility, such as gasoline, fuel oil, cleaning solvents, etc.

b. Wastes that may impair or cause to impair the hydraulic capacity of the sewer system, such as ashes, sand, metal, precipitates, etc.

c. Wastes that may create a hazard to people, the sewer system, the treatment process, or the receiving water, such as dangerous levels of toxic materials.

d. Wastes at a flow rate which is excessive over a relatively short time period so that there is a treatment process upset and substantial loss of treatment efficiency.

e. Wastes below a pH of 5 unless the line is designed to accommodate such waste.

f. Any discharge of radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by PVSC in compliance with applicable State or Federal Regulations.

19. The following wastes may not be discharged without special permission from the PVSC, upon a determination by the PVSC that the discharge would not be detrimental to the system:

a. Any discharge in excess of 150°F (65°C).

b. Any discharge containing more than 100mg/l of mineral oil or grease.

c. Any discharge containing floatable oil or grease.

d. Any discharge of heavy metals, or any other toxic materials in toxic amounts, which amounts are to be established by PVSC.

e. Any discharge quantities of flow or concentration which shall constitute a "slug".

f. Wastes with pH outside the limits of 5.0 to 9.0.

20. Each major industrial user shall construct or otherwise have available a sampling point for sampling waste water before it enters the municipal sewer system. Other industrial users may be required to construct such sampling point, if ordered so to do by the municipality or the PVSC.

21. No discharge into the wastewater facilities of PVSC shall be permitted from any source which causes physical damage, interferes with the treatment process, or results in a violation of effluent limitations or other conditions contained in the National Pollution Discharge Elimination System Permit to Discharge issued to the PVSC by the United States Environmental Protection Agency.

22. When required by the municipality, USEPA, NJDEP or the PVSC, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable structure together with such necessary meters and other appurtenances to the building sewer to facilitate observation, sampling and measurement of the wastes. Such structure, when required, shall be accessibly and safely located and shall be constructed in accordance with plans approved by the governmental agency requiring it. The structure shall be installed by the applicant at his expense and shall be maintained by him so as to be safe and accessible at all times.

23. All persons subject to the within ordinance shall be required to provide information to the municipality and PVSC as needed to determine compliance with the ordinance. These requirements may include:

1. Wastewaters discharge peak rate and volume over a specified time period.

2. Chemical analyses of wastewaters.

3. Information on raw materials, processes, and products affecting wastewater volume and quality.

4. Quantity and disposition of specific liquid, sludge, oil, solvent or other materials important to sewer use control.

5. A plot plan of sewers of the user's property showing sewer and pretreatment facility location.

6. Details of wastewater pretreatment facilities.

7. Details of systems to prevent and control the losses of materials through spills to the municipal sewer.

24. All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater," published by the American Public Health Association, or other method or procedure as may be approved by PVSC. Sampling methods, location, times, durations, and frequencies are to be determined on an individual basis subject to the approval of the municipality, and/or PVSC.

25. All users shall be required to comply with the requirement of user charges regulations and industrial costs recovery system regulations to be adopted by the PVSC in accordance with the requirements of the USEPA. The effective date for the implement of user costs regulations and industrial costs recovery system regulations shall be established by resolution of the PVSC. The effective date shall be certified by the PVSC and the said written certification shall be filed in the office of the municipal clerk.

26. No person shall intentionally, break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is part of the waste water facilities.

27. The governing body shall appoint or designate some suitable person to administer the within ordinance.

28. All users of the wastewater facilities shall comply with the requirements of the written rules and regulations of the PVSC which have been adopted and which from time to time shall have been adopted, which regulations shall become effective upon filing of certified copies in the office of the municipal clerk after the effective dates of the within ordinance.

29. Violations of any of the provisions of the within ordinance or any permit issued under the authority of the within ordinance may result in the termination of the permit and/or the termination of the authority to discharge into the system.

30. Any person violating any of the provisions of the within ordinance shall, upon conviction, be subject to a fine not to exceed five hundred dollars ($500.00) and/or imprisonment not to exceed ninety (90) days, or both. Each and every day in which a violation of any provision of this ordinance exists shall constitute a separate violation.

31. If any portion of the within ordinance shall be declared to be unconstitutional, invalid or inoperable, in whole or in part, by a court of competent jurisdiction, the remaining portion not declared to be unconstitutional, invalid or inoperable, shall remain in full force and effect.

32. No ordinance heretofore adopted by the municipality shall be effected by the within ordinance except that if any provisions of any prior ordinance is in conflict with the provisions of the within ordinance, the provisions of the within ordinance shall control.

33. This ordinance shall take effect upon final passage and publication in accordance with the provisions of law.

RULES AND REGULATIONS OF THE PVSC CONCERNING SEWER CONNECTION PERMITS

1) DEFINITIONS

As used in this regulation, the following words and terms shall have the meaning set forth below:

Industrial Cost Recovery - A charge to industrial users based on its use of PVSC facilities to repay the capital cost outlay of the Federal Share given PVSC under P.L. 92-500 allocable to the treatment of the wastes from the industrial user.

Industrial User - Any non-governmental user of PVSC facilities identified in the Standard Industrial Classification Manual 1972 as amended and supplemented under Divisions A, B, D, E, or I. A user may be excluded if it is determined that it introduces primarily segregated sanitary wastes.

Industrial Waste - The liquid waste from an industrial process, as distinct from sanitary waste. All wastes, except storm waters and sanitary wastes.

Major Industry - An industrial user of PVSC facilities that:

(a) has a flow of 50,000 gallons or more per average work day;
(b) has in its waste, a toxic pollutant in toxic amounts; or,
(c) is found by USEPA, NJDEP or PVSC to have significant impact, either singly or in combination with other contributing industries, on the PVSC treatment works or upon the quality of the effluent from the PVSC treatment works.

Municipality - The municipality wherein an industry or other user discharging to PVSC facilities is located.

NJDEP - New Jersey Department of Environmental Protection

NPDES - National Pollution Discharge Elimination System

pH - The reciprocal of the logarithm of the hydrogen ion concentration. The concentration is the weight of hydrogen ions, in grams, per liter of solution. Neutral water has a pH value of 7 (a hydrogen ion concentration of 10^{-7}). Lower pH's are acid, higher pH's are alkaline.

Pretreatment - Treatment given to industrial waste, prior to its discharge to the PVSC facilities, by the industry, in order to remove illegal and/or undesirable constituents or to reduce the strength of the waste.

Property Owner - Owner of the property wherein an industry discharging to the PVSC facilities is located.

PVSC - Passaic Valley Sewerage Commissioners

Sanitary Waste - Waste derived principally from dwellings, office buildings, and sanitary conveniences. When segregated from industrial wastes, may come from industrial plants or commercial enterprises.

Strength of Waste - A measurement of suspended solids, and/or Biochemical Oxygen Demand, and/or Chemical Oxygen Demand, and/or any other parameter determined by PVSC as a fair indicator of the relative use, other than volumetric, of PVSC facilities by industrial wastes.

Toxic Wastes in Toxic Amounts - Defined by USEPA in 40 CFR 129 (38 F.R. 24342, 9-7-73) and any subsequent revisions.

USEPA - United States Environmental Protection Agency

User Charge - A charge to users, established by PVSC, based on volume and, where applicable, on strength and/or flow rate to pay for the use of the PVSC facilities.

2) Any person, corporation or municipality, or other governmental agency desiring to make any sewerage connection or discharge or to continue to discharge sewerage, which includes or consists of industrial waste, into the PVSC treatment facilities, must make application therefor in writing on forms provided by the PVSC. All existing industrial users are required to make such application by June 1, 1977. Any new facilities shall be required to make application prior to the connection.

3). There shall be two major forms of Application:

(a) Sanitary Application - application from dwellings, groups of dwellings, or industrial or commercial establishments with only sanitary waste.

(b) Industrial Application - for industrial waste or storm water from an industrial site.

Sanitary applications shall be made by the owner of the property to the municipality, and no approval by PVSC is necessary unless a direct connection into a PVSC sewer is being requested. However, the municipality shall keep a record of the number of connections that are added and removed and shall make an annual report to the PVSC no later than February 1 of each year.

Industrial applications shall be made by the industry that generates the waste; however, the application must also be signed by the owner of the property wherein the industry is located. The industry shall be responsible for the quality and quantity of the waste, but the industry and owner of the property shall be jointly and severally responsible for any user charges or industrial cost recovery charges, and such charges when not paid may be made a lien against the property, and interest may be charged.

4) Any existing facility which proposes to make any change in its facility or its processing, which significantly affects either the quality or the quantity of its discharge into the sewerage system, shall be required to submit an Industrial Sewer Waste Revision Application showing the changes contemplated. Any new tenant or occupant of an existing facility shall be required to submit an Industrial Sewer Waste Revision Application. The application must be accompanied by a written approval of the particular municipality and owner of the property that are responsible for such sewerage.

5) Existing industries that have applied for permits may continue their discharge until their application has been processed by PVSC, unless in violation of Section 18, "Prohibited Wastes" of these regulations, or unless notified by PVSC to cease and desist their discharge.

6) Applications for Industrial Permits issued by PVSC shall be classified in one of these categories and the applicant and municipality shall be notified as expediently as possible:

Category I:

Class I-A permit which shall not be issued to an industry defined as a major industry is issued allowing industry to continue to discharge with no modification or pretreatment of flow.

Class I-B permit is issued allowing industry to continue to discharge with no modification or pretreatment of flow, but industry is considered a major industry and may be required to install monitoring equipment.

Category II:

Class II-A permit allows industry to continue to discharge pretreated wastes in accordance with standards established in the permit.

Class II-B permit allows industry to continue to discharge subject to change of characteristics of its waste by pretreatment or other means in accordance with a schedule as established or to be established in the permit.

Category III:

Permit denied and the discharge of illegal material must be halted or modified by a date established by PVSC.

PVSC reserves the right to change any Class permit to any other class permit, or to cancel permits upon notification by certified mail giving six months notice and giving the reason for the change.

7) Class I-A, I-B, and II-A permits shall be for an indefinite period of time unless cancelled or modified by PVSC.

8) Class II-B shall be for a period of time specified in the notice of classification requiring the industry to modify its discharge so that a Class II-A permit may be issued.

9) If an industry receives a Class II permit and disagrees with the findings of PVSC, it may appeal to the PVSC and request a hearing. The appeal shall be sent "Certified Mail" to the PVSC, 600 Wilson Avenue, Newark, N. J., 07105, within thirty days of notification by PVSC of the granting of the permit or of any modification of an existing permit. The Permittee shall obtain a return receipt showing date the appeal application was received by PVSC. During the time of appeal, the Class II permit requirements are stayed; however, the staying of such requirements shall not release any industry from the obligation of meeting any requirements and any time schedule set by NJDEP or USEPA.

10) Any appeal request shall be heard by the Commissioners. The findings of the Commissioners may be submitted to USEPA and/or NJDEP and upon approval by either or both shall either be incorporated in a new permit or the existing permit shall be reaffirmed.

11) An application submitted by a corporation must be signed by the principal executive officer of that corporation or by an official of the rank of corporate vice president or above who reports directly to such principal executive officer to make such applications on behalf of the corporation. In the case of a partnership, the application must be signed by a general partner or proprietor. If the owner of the property is a corporation, other than the applicant, then the application must also be signed by the property owner as per the above.

Where an application involves a governmental discharge, the person signing on behalf of a municipal,county or intra-State regional governmental unit; if the applicant is a State or multi-State agency, the application must be signed by that agency's principal executive officer or one who reports directly to him and is authorized to make applications on behalf of the governmental unit. Applications submitted by an agency of the United States should be signed by an official who is authorized to evaluate environmental factors on an agency-wide basis.

12) Each user municipality shall designate an official who shall have the responsibility to supervise and enforce municipal connections and sewer requirements. The name of such designated official shall be submitted to the PVSC by the municipality.

13) In addition to the application, each industrial user must complete an industrial survey form which is supplied by PVSC, unless the industrial user has previously completed and submitted such a form to the PVSC.

14) When the industry is classified as a Major Industry, it will install an approved, sealed, automatic monitoring system if requested to make such installation by PVSC.

15) No uncontaminated water (e.g. cooling water, etc.) shall be discharged into the PVSC system except with the prior written consent of the PVSC.

16) When pretreatment standards are adopted by USEPA for any given class of industries, then that industry must immediately conform to the USEPA timetable for adherence to Federal (and therefore PVSC) pretreatment requirements, and any other applicable requirements promulgated by USEPA in accordance with Section 307 of P.L. 92-500. Additionally, such industries shall comply with any more stringent standards necessitated by local conditions as determined from time to time by the PVSC.

17) A PVSC inspector or authorized employee of PVSC, NJDEP, USEPA, or the municipality, must be given immediate access to any industry at any time during normal working hours or at any other time that an industry is discharging into either the PVSC system or into any of the waters under jurisdiction of the PVSC in order that the inspector may check the quality of the discharge, take samples, tests, and measurements.

18) The following wastes may never be discharged into the PVSC system:

(a) Wastes that may create a fire or explosion hazard in the sewer, or wastewater facility, such as gasoline, fuel oil, cleaning solvents, etc.

(b) Wastes that may impair the hydraulic capacity of the sewer system, such as ashes, sand, metal, etc.

(c) Wastes that may create a hazard to people, the sewer system, the treatment process, or the receiving water, such as dangerous levels of toxic materials.

19) The following wastes may not be discharged without special permission, available on a case by case basis after the applicant proves the discharge not to be detrimental by reason of small volume:

(a) Any discharge in excess of 150°F (65°C).

(b) Any discharge containing more than background level of radioactivity.

(c) Any discharge containing more than 25 mg/l of mineral oil or grease.

(d) Any discharge containing floatable oil or grease.

(e) Any discharge of heavy metals, cyanides or any other toxic materials in toxic amounts, which amounts are to be established by PVSC.

(f) Any discharge quantities of flow or concentration which shall constitute a "slug". A "slug" shall mean a discharge of a rate of flow or concentration of any given constituent which exceeds for any period of 15 minutes more than five times the average daily concentration.

(g) Wastes with pH outside the limits of 5.0 to 9.0.

20) Each major industrial user shall construct or otherwise have available a sampling point for sampling wastewater before it enters the municipal sewer system. Other industrial users may be required to construct such sampling point.

21) No discharge into the treatment facilities of PVSC shall be permitted from any source which causes physical damage, interferes with the treatment process, or results in a violation of effluent limitations or other conditions contained in the National Pollution Discharge Elimination System Permit to Discharge issued to PVSC by the USEPA.

22) Wherein required by USEPA, NJDEP, or the PVSC permit, each industrial user shall monitor its flow and maintain records in accordance with 40 CFR 136.3 or subsequent amendments.

23) If the industrial user violates any of the terms of the permit or regulations, he shall be subject to civil and/or criminal penalties and fines in accordance with judicial procedures as provided for in Section 309 of P.L. 92-500.

24) Violation of any of the terms of the permit or regulations, or of any municipal ordinance, may result in the termination of the permit and/or termination of authorization to discharge into the PVSC system.

25) The within rules and regulations shall be effective August 1, 1976.

INDUSTRIAL SEWER CONNECTION APPLICATION

Name _____

Number & Street _____

Municipality _____

Primary Standard Industrial Classification Code _____

Principal Product _____

Principal Raw Material _____

Flow (Indicate the volume of waste discharged to the PVSC system in thousand gallons per day and whether the discharge is intermittent or continuous) _____

The undersigned being the _____ (owners, lessee, tenant, etc.) of the above property does hereby request a permit to _____ (install, use) an industrial sewer connection to discharge into the _____ (size) inch _____ (municipality, PVSC) sewer located at _____.
The size of the connection is _____ inches.

A plan of the property showing accurately all sewers and drains now existing, together with existing or proposed sampling point, is attached hereto as Exhibit "A".

Details of the connection to the public sewer is shown as Exhibit "B".

A schedule of all process waters and industrial wastes produced or expected to be produced at said property, including a description of the character of each waste, daily volume, maximum rates of discharge, duration of discharge, and a representative analysis is attached as Exhibit "C".

The name and telephone number of the person to call for further details is _____

In consideration of the granting of this permit, the undersigned agrees:

(1) To furnish any additional information relating to the installation or use of the industrial sewer for which this permit is being sought, if requested by PVSC.

(2) To accept and abide by all the rules and regulations of the PVSC and of the approving municipality.

(3) To operate and maintain any waste pretreatment facilities, if such facilities are required by the USEPA, the NJDEP, or the PVSC, in an efficient manner at all times, at no expense to PVSC.

(4) To cooperate at all times with the PVSC and their authorized representatives in their inspection, sampling and studying of the industrial wastes, and any facilities for pretreatment.

(5) If the industry is classified as a major industry (USEPA definition) then, if requested by PVSC, install sampling or monitoring equipment as approved by PVSC.

(6) To pay user charges and industrial cost recovery charges when such charges are promulgated by PVSC.

(7) To notify PVSC immediately in the event of an accident, negligence or other occurrence that occasions a discharge to the sewer of any waste not covered by the permit or of a discharge to any of the streams under the jurisdiction of the PVSC.

(8) To comply with all applicable Federal and State statutes and regulations as well as the terms of any National Pollutant Discharge Elimination System Permit to Discharge issued by the United States Environmental Protection Agency to the PVSC.

DATE: _____ SIGNED: _____
(Applicant)

_____
(Title)

I a corporation, attach resolution giving authority to make application.

The undersigned hereby certifies that it is the owner of the property and agrees that it will be responsible for all user charges and/or industrial cost recovery for any industrial waste emanating from the above property, and failure to pay such costs when levied shall subject the property to a lien on such property not to be lifted until all such costs plus interest shall be paid.

DATE: _____ SIGNED: _____

TITLE: _____

If a corporation, attach resolution giving authority to sign application.

The _____ hereby approves the above application
(municipality)
and certifies to PVSC that it will be responsible for payment for the wastewater discharge from the above plant into the PVSC system in accordance with the rules and regulations of the PVSC.

DATE: _____ SIGNED: _____
(Authorized Municipal Official)

TITLE: _____

APPROVED AT PVSC BOARD MEETING OF _____

SIGNED: _____

Clerk of the Passaic Valley Sewerage Commissioners

KLL005072

Return to:
PASSAIC VALLEY SEWERAGE COMMISSIONERS
600 Wilson Avenue
Newark, N. J. 07105
(201) 344-1800

Date: .....

Plant Ref. No. .....

WASTE EFFLUENT SURVEY

(For Industries Served by the Passaic Valley Sewerage Commissioners)

Plant Name: .....

Address: ..... Zip.....

Person and Title to whom any further inquiries should be directed: .....

.....

Phone No.: .....

N. .ber of Employees: .....

Number of Working Days Per Week: .....

Number of Shifts Per Day: .....

Area of Property: ..... Acres, or ..... Sq. Ft.

Type of Industry and 4 digit U. S. Standard Industrial Classification No.: .....

.....

Finished Product(s): .....

Average Production: .....

Raw Materials Used: .....

Brief Description of Operations: .....

.....

.....

.....

.....

KLL005073

Water received in *Gallons* (Note: multiply cu. ft. x 7.48)

Purchased water in 19___ from: .....

1st Quarter .....

2nd Quarter .....

3rd Quarter .....

4th Quarter .....

Total Purchased 19___: .....

Well Water

1st Quarter .....

2nd Quarter .....

3rd Quarter .....

4th Quarter .....

Total well water received in 19___: .....

River Water

1st Quarter .....

2nd Quarter .....

3rd Quarter .....

4th Quarter .....

Total river water taken in 19___: .....

TOTAL OF ALL WATER RECEIVED IN 19___: .....

Water Use in 19___:

Water to Product (include evaporated and lost water): .....

Water to Sanitary Sewer: .....

Water to Storm Sewer, River or Ditch: .....

TOTAL WATER USE IN 19___: .....

Name of River, Stream, or Tributary, and location of storm sewer or ditch outlet to river, stream, or tributary: .....

ANSWER THE FOLLOWING QUESTIONS ONLY IF THE PLANT WASTE INCLUDES WASTE ATTRIBUTABLE TO INDUSTRIAL OPERATIONS

(Note: Analyses should be based on a 24-hour composite sample)

Characteristics of Plant Waste discharged to sanitary or combined sewer, after treatment if any. Indicate units of measure where applicable (e.g. Mg/l).

a) pH: ..... b) Turbidity: .....

c) Temperature: ..... d) Radioactive? Yes ..... No .....

e) Solids Concentration:

1) Total Solids ..... Volatile ..... Mineral .....

2) Suspended Solids ..... Volatile ..... Mineral .....

f) Oil and Grease Concentration:

1) Floatable Oils .....

2) Emulsified Oils .....

g) Chlorides .....

h) Chemical Oxygen Demand (C.O.D.): .....

i) 5-day Bio-chemical Oxygen Demand (B.O.D.): .....

j) Total organic carbon (T.O.C.): .....

Metallic Ions—Name and concentration (Important—list each metal in waste, e.g., chromium hex. and triv. Antimony, Lead, Mercury, Copper, Vanadium, Nickel; give concentration and total daily discharge of each metal.)

.....

.....

l) Toxic Material—Name and concentration e.g., cyanide salts, etc.): .....

.....

m) Solvents—Name and concentration: .....

.....

n) Resins—Name and concentration (Lacquers, Varnishes, Synthetics): .....

.....

o) Date and time span of sample .....

Explain hours, method of discharge of waste to Sanitary Sewer and peak rate of flow, e.g., (continuing for 8 hours per day, 5 days per week at 100 gal./day rate) (batch twice a day for 20 minutes at 100 gal./min.) (Continuous 24 hours steady or with peaks at 2 P.M., peak rate 3 M.G.D.) etc.

.....

.....

.....

Characteristics of Plant Discharge to Storm Sewer, River, or Ditch, after treatment if any. Indicate units of measure where applicable (e.g., Mg/l).

a) pH: ..... b) Turbidity: .....

c) Temperature: ..... d) Radioactive? Yes ..... No .....

e) Solids Concentration:

1) Total Solids ..... Volatile ..... Mineral .....

2) Suspended Solids ..... Volatile ..... Mineral .....

f) Oil and Grease Concentration:

1) Floatable Oils .....

2) Emulsified Oils .....

g) Chlorides .....

h) Chemical Oxygen Demand (C.O.D.): .....

i) 5-day Bio-chemical Oxygen Demand (B.O.D.): .....

j) Total Organic Carbon (T.O.C.): .....

k) Metallic Ions—Name and concentration (Important—list each metal in waste, e.g., chromium hex. and triv. Antimony, Lead, Mercury, Copper, Vanadium, Nickel; give concentration and total daily discharge of each metal.):

.....

.....

l) Toxic Material—Name and concentration (e.g., cyanide salts, etc.): .....

.....

m) Solvents—Name and concentration: .....

.....

n) Resins—Name and concentration (Lacquers, Varnishes, Synthetics): .....

.....

o) Date and time span of sample: .....

Do you pretreat any waste before discharge? .....

If so, describe process and disposal of residue removed: .....

.....

.....

.....

Certification of Laboratory doing sampling and making analyses shall be given. Procedures shall be those shown in the 13th edition of Standard Methods for the Examination of Water and Wastewater, where applicable. If no procedure is applicable, the laboratory is to describe method and procedure used in analyses.

.....

Signature and title of person preparing report

KLL005076

Permit No.: NJ0021016

RECEIVED

Name of Permittee:

JAN 31 10 57 AM '75 Passaic Valley Sewerage Commission

Effective Date: February 28, 1975

DEPT. ENVIR. PROTECT. DIV. OF WATER RESOURCES Expiration Date: June 30, 1977

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT TO DISCHARGE

In reference to the application received from the above-mentioned permittee for a permit authorizing the discharge of pollutants in compliance with the provisions of the Federal Water Pollution Control Act, as amended by the Federal Water Pollution Control Act Amendments of 1972, P. L. 92-500, October 18, 1972 (33 U.S.C. §§1251-1376) (hereinafter referred to as "the Act"),

Passaic Valley Sewerage Commissioners (P.V.S.C.)

(hereinafter referred to as "the Permittee")

is authorized by the Regional Administrator, Region II, U.S. Environmental Protection Agency, to discharge from:

the P.V.S.C. Sewage Treatment Plant, 600 Wilson Avenue, Newark, New Jersey, and other locations noted herein

to receiving waters named Upper New York Bay, Third River, Newark Bay, Passaic River, and other receiving waters noted herein in accordance with the following conditions.

KLL006250

TAF000606

A. GENERAL CONDITIONS

1. All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act. Facility modifications, additions, and/or expansions that increase the plant capacity must be reported to the the permitting authority and this permit then modified or reissued to reflect such changes. Any anticipated change in the facility discharge, including any new significant industrial discharge or significant changes in the quantity or quality of existing industrial discharges to the treatment system that will result in significant new or increased discharges of pollutants must be reported to the Regional Administrator. Modifications to the permit may then be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

2. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

   a. violation of any terms or conditions of this permit;

   b. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or,

   c. a change in any condition that required either a temporary or permanent reduction or elimination of the permitted discharge.

3. Notwithstanding 2 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee shall be notified.

4. The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

a. to enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit;

b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;

c. to inspect at reasonable times any monitoring equipment or monitoring method required in this permit;

d. to sample at reasonable times any discharge of pollutants;

e. to inspect the operation of the treatment facilities.

5. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations; nor does it obviate the necessity of obtaining State or local assent required by law for the discharge authorized.

6. This permit does not authorize nor approve the construction of any onshore or offshore physical structures of facilities or the undertaking of any work in any navigable waters.

7. Except for data determined to be confidential under Section 308 of the Act, all monitoring reports required by this permit shall be available for public inspection at the offices of the head of the State water pollution control agency and the Regional Administrator. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

8. The diversion or bypass of any discharge from the treatment works by the permittee is prohibited, except: (1) where unavoidable to prevent loss of life or severe property damage; or (2) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the terms and conditions of this permit. The permittee shall notify the Regional Administrator in writing within 72 hours of each diversion or bypass in accordance with the procedure specified above for reporting non-compliance. Within 30 days after such incident the permittee shall submit to EPA for approval a plan to prevent recurrence of such incidents. Normal operation of overflows and bypasses (listed in Section C-1) should not be reported under the requirements of this condition. The notification and plan herein required apply only to discharges resulting from unusual situations such as breakdowns, power failures, and bypasses occurring during dry weather periods. A summary description of discharges from bypass points should be submitted with the permittee's quarterly self-monitoring reports.

9. If for any reason the permittee does not comply with or will be unable to comply with any effluent limitation (treated effluent discharges) specified in this permit, or should any unusual or extraordinary discharge of wastes occur from the facilities herein permitted, the permittee shall immediately notify the Regional Administrator and appropriate State agency by telephone and provide the same authorities with the following information in writing within five days of such notification:

   a. A description of the non-complying discharge including its impact upon the receiving waters.

   b. Cause of non-compliance.

   c. Anticipated time the condition of non-compliance is expected to continue, or if such condition has been corrected, the duration of the period of non-compliance.

   d. Steps taken by the permittee to reduce and eliminate the non-complying discharge.

   e. Steps to be taken by the permittee to prevent recurrence of the condition of non-compliance.

10. Permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from non-compliance with any effluent limitation specified in this permit. The permittee will also provide accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

11. Except as provided in permit condition 8 on bypassing, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for non-compliance.

12. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

13. In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

14. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

15. The permittee shall require the municipalities using the PVSC treatment works to report the following conditions to the permittee; the permittee shall then provide notice of the following to the Regional Administrator:

    a. any new introduction of pollutants into such treatment works from a source which would be a new source as defined in section 306 of the Act if such source were discharging pollutants;

    b. any new introduction of pollutants which exceeds 10,000 gallons on any 1 day into such treatment works from a source which would be subject to section 301 of the Act if such source were discharging pollutants; and,

    c. any substantial change in volume or character of pollutants being introduced into such treatment works by a source introducing pollutants into such works at the time of issuance of the permit.

    Such notice shall include information on the quality and quantity of effluent to be introduced into such treatment works; and an anticipated impact of such change in the quantity or quality of effluent to be discharged from such publicly owned treatment works.

16. The permittee shall require any industrial user of such treatment works to comply with the requirements of section 204(b), 307, and 308 of the Act. For compliance with section 204(b) of the Act, the permittee shall comply with Special Condition #3 of Federal Construction Grant No. C-34-369, and shall establish a system of user charges and industrial cost recovery in accordance with proposed regulations amending 40 CFR, Part 35, published in the Federal Register dated May 22, 1973, or any subsequent revisions.

    For compliance with section 307 of the Act, the permittee shall meet the data collection, and other requirements of section C-2, "Schedule of Compliance for Industrial Discharge Information" in this permit.

17. The permittee shall require any industrial user of storm sewers owned by the PVSC to comply with the requirement of section 308 of the Act.

18. The United States Army Corps of Engineers conducts maintenance dredging of navigable waters and their tributaries pursuant to certain federal statutes. The permittee should be aware of its possible responsibilities under the maintenance dredging program. Under these laws, any person, firm or other entity discharging suspended [illegible] into a navigable waterway of the United States, or tributary thereof, which contribute to the necessity for maintenance dredging of that waterway may be required to participate in the maintenance dredging program.

KLL006255

B. REQUIRED EFFLUENT LIMITATIONS AND MONITORING AND OPERATIONAL REQUIREMENTS

1.A. REQUIRED EFFLUENT LIMITATIONS

During the period beginning on the effective date of this permit and lasting until the date of expiration of this permit, discharges shall be limited and monitored by the permittee as specified below:

a. A significant removal of settleable solids shall be achieved.

b. See Table I.

c. The permittee shall act to significantly reduce the concentration of floating solids prior to discharge and, except as specifically authorized in this permit, the permittee shall not discharge visible foam.

d. The effluent values for pH shall remain within the limits of 6.0 to 9.0.

e. From information supplied by the permittee, the design average daily flow of 225 MGD is regularly being exceeded. The preceding effluent limitations will be the determining factors in judging if this facility is adequately treating its wastewater.

1.B. ADDITIONAL EFFLUENT LIMITATION

Starting on May 15. 1975,* the chlorination facilities shall be operated continuously year round. A chlorine residual concentration of not less than 0.5 mg/l shall be maintained in the effluent at all times unless the permittee demonstrates compliance with the following:

The geometric mean of the fecal coliform bacteria values for effluent samples collected in a period of 30 consecutive days shall not exceed 200 per 100 milliliters. The geometric mean of these values for effluent samples collected in a period of seven consecutive days shall not exceed 400 per 100 milliliters.

* Subject to change to an earlier date if so determined by the New Jersey Department of Environmental Protection after conclusion of their administrative hearing procedure presently underway.

2. FACILITY OPERATION AND QUALITY CONTROL

All waste collection, control, treatment and disposal facilities shall be operated in a manner consistent with the following:

a. At all times, all facilities shall be operated as efficiently as possible and in a manner which will minimize upsets and discharges of excessive pollutants.

b. The permittee shall provide an adequate operating staff which is duly qualified to carry out the operation, maintenance and testing functions required to insure compliance with the conditions of this permit.

c. Routine maintenance of treatment facilities that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by the permitting authority.

d. Under no circumstances shall the permittee allow introduction of the following wastes into the waste treatment system:

aa. Wastes which create a fire or explosion hazard in the treatment works.

bb. Wastes which will cause corrosive structural damage to treatment works.

cc. Solid or viscous substances in amounts which cause obstructions to the flow in sewers or interference with the proper operation of the treatment works.

dd. Wastewaters, at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods so as to cause a loss of treatment efficiency. This condition does not constitute an exception to condition C-4(A)(1)(2).

3. SELF-MONITORING AND REPORTING REQUIREMENTS

a. The permittee shall effectively monitor the operation and efficiency of all treatment and control facilities and the quantity and quality of the treated discharge. Monitoring data required by this permit shall be summarized on an average calendar month basis. Individual reports are to be submitted on a quarterly basis. Duplicate original copies of the discharge monitoring report form (EPA Form 3320-1), properly completed and signed by the permittee, must be submitted within 28 days after the end of each report period to the

Regional Administrator and the State Agency at the following addresses:

U.S. Environmental Protection Agency
Region II
Status of Compliance Branch
26 Federal Plaza
New York, New York 10007

Director
Division of Water Resources
New Jersey Department of
Environmental Protection
Labor & Industry Building
P.O. Box 1390
Trenton, New Jersey 08625

Quarterly reports will be required for periods beginning on the first day of the first month following the issuance of this permit. The data collected and submitted shall include the following parameters and testing frequencies:

See Table I

Samples and measurements of the effluent taken to achieve compliance with the monitoring requirements specified above shall be taken at the point of combined flow into the outfall sewer.

Samples and measurement of the influent wastewater taken to meet the monitoring requirements specified above shall be taken at the point of plant inflow.

b. Sampling and Analysis Methods

Other measurements of oxygen demand can be substituted for Biochemical Oxygen Demand (BOD) where the permittee can demonstrate long-term correlation of the method with BOD values. Substitution of such measurements must receive prior approval of the permitting authority.

The analytical and sampling methods used shall conform to the latest edition of the reference methods listed below. (These are interim references to be replaced by Sec. 304(g) guidelines when available.) However, different but equivalent methods are allowable if they receive the prior written approval of the permitting authority.

1. STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATERS, 13th edition, 1971, American Public Health Association, New York, New York 10019.

2. A.S.T.M. STANDARDS, PART 23, WATER; ATMOSPHERIC ANALYSIS, 1972, American Society for Testing and Materials, Philadelphia, Pa. 19103.

3. METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, April 1971, U.S. Environmental Protection Agency, Water Quality Office, Analytical Quality Control Laboratory, 1014 Broadway, Cincinnati, Ohio 45202.

The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to insure accuracy of measurements.

4. RECORDING

The permittee shall record for all samples the date and time of sampling, the sampling method used, the date analyses were performed, the identity of the analysts, and the results of all required analyses and measurements.

All sampling and analytical records mentioned in the preceding paragraph shall be retained for a minimum of three years. The permittee shall also retain all original recordings from any continuous monitoring instrumentation, and any calibration and maintenance records, for a minimum of three years. These periods will be extended during the course of any unresolved litigation, or when so requested by the Regional Administrator.

5. SOLIDS DISPOSAL

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into navigable waters or their tributaries.

The permittee shall cooperate with the U.S. Environmental Protection Agency in the development of a sludge management program aimed at eliminating ocean disposal of sludge, and shall cooperate with other operating agencies in exploring solutions to sludge management and disposal problems.

TABLE I

SELF-MONITORING REQUIREMENTS (Discharge 001) 1/

Parameter	Minimum Monitoring Requirements Measurement Frequency	Sample Type
Total Flow, mgd	Continuous	N/A
BOD, mg/l	Daily	24-hr composite
BOD, lbs/day*	-	-
Settleable Solids, ml/l	6 per day	Grab
Suspended Solids, mg/l	Daily	24-hr composite
Suspended Solids, lbs/day*	--	-
Residual Chlorine, mg/l 2/	6 per day	Grab
Fecal Coliform, N per 100 ml 2/	Daily	Grab
pH	6 per day	Grab

1/ Except where indicated influent and effluent measurement and testing are required.

2/ Only effluent testing required.

* To be calculated using actual flow and actual testing results for parameters noted.

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SECTION C

Special Conditions and Schedules for Compliance with Permit Limitations

Contents

C-1. Descriptive Listing of Discharge Points
C-2. Industrial Discharge Compliance Schedule
C-3. Sewer System Evaluation and Rehabilitation Compliance Schedule
C-4. Wet Weather Flow Study Compliance Schedule
C-5. Facilities Upgrading Compliance Schedule

Compliance Reporting Requirements (1)

The Permittee shall comply with the following schedules and shall report to the Regional Administrator and the State Agency within 14 days following each date on the schedules detailing its compliance or non-compliance (2) with the schedule date and requirements.

C-1 Descriptive Listing of Discharge Points

A. Discharge Points Owned by the Permittee

Discharge Serial Number and Receiving Water	Discharge Description and Location (approximate U.S.G.S. Cor.)
#001 Upper New York Bay	Outfall for treated effluent, extends 3200 feet from shore to a depth of 40-60 feet. (40°42'45"N, 74°03'42" W)
#002 Newark Bay	Newark Bay Bypass for treated effluent. (40°42'45N, 74°07'24"W)
#003 Confluence of Third River and Passaic	Yantacaw St. Bypass, Clifton (40°49'17"N, 74°7'53" W)
#004 Confluence of Third River and Passaic River	Yantacaw Pumping Station Overflow, Clifton (40°49'16" N, 74°7'56" W)
#005 Passaic River	Wallington Pump Station Bypass, Wallington (40°51'26" N, 74°7'9"W)
#006 Passaic River	North Arlington Branch Overflow North Arlington (40°47'12"N 74°7'51"W)
#007 Passaic River	Hudson St. Overflow, Paterson (40°55'27" N, 74°10'7" W)

B. Discharge Points Not Owned by the Permittee which work in conjunction with the Permittee's System and which are to be included as part of Section C-4 ,wet weather flow study.

Discharge Serial Number and Receiving Water	Discharge Description and Location (approximate U.S.G.S. Coord.)
#008 Passaic River	East Newark, Central Avenue Overflow (40°35'03" N, 74°09'55" W)
#009 Passaic River	Garfield, Garden State Bypass (40°53'10" N, 74°07'44" W)
#010 Passaic River	New Street, Harrison Overflow (40°44'49"N, 74°09'56" W)
#011 Passaic River	Cleveland Street, Harrison Overflow (40°44'45"N, 74°09'56" W)
#012 Passaic River	Harrison Avenue, Harrison Overflow (40°44'42" N, 74°09'56" W)
#013 Passaic River	Dey Street, Harrison Overflow (40°44'33" N, 74°09'53" W)
#014 Passaic River	Middlesex Street, Harrison Overflow (40°44'33" N, 74°09'53" W)
#015 Passaic River	Bergan Street, Harrison Overflow (40°44'25" N, 74°09'49" W)
#016 Passaic River	Worthington Ave., Harrison Overflow (40°44'21" N, 74°08'41" W)
#017 Passaic River	Stewart Ave., Kearny Overflow (40°46'46" N, 74°07'55" W)

#018 Passaic River	Washington Ave., Kearny Overflow (40°46'37" N, 74°08'00" W)
#019 Passaic River	Bergen Ave., Kearny Overflow (40°45'43" N, 74°09'40" W)
#020 Passaic River	Nairn Ave., Kearny Overflow (40°45'33" N, 74°09'46" W)
#021 Passaic River	Marshall Street, Kearny Overflow (40°45'24" N, 74°09'51" W)
#022 Passaic River	Johnston Ave., Kearny Overflow (40°45'16" N, 74°09'52" W)
#023 Franks Creek thence to Passaic River	Ivy Street, Franks Creek Overflow, Kearny (40°45'34" N, 74°08'30" W)
#024 Franks Creek thence to Passaic River	Bergen St., Franks Creek Overflow, Kearny (40°45'09" N, 74°08'14" W)
#025 Franks Creek thence to Passaic River	Tappan St., Franks Creek Overflow, Kearny (40°45'01" N, 74°08'12" W)
#026 Franks Creek, a tributary of the Passaic River	Duke St., Franks Creek Overflow, Kearny (40°44'58" N, 74°08'10" W)
#027 Passaic River	Lodi force main bypass, Passaic (45°51' 25" N, 74°07'13" W)
#028 Passaic River	Verona Ave., Newark Bypass (40°46'35" N, 74°09'07" W)
#029 Passaic River	Delavan Ave., Newark Bypass (40°46'11" N, 74°09'29" W)

#031 Passaic River	Third Ave., Newark Bypass (40°45'28" N, 74°09'55" W)
#032 Passaic River	Fourth Ave., Newark Bypass (40°45'22" N, 74°09'56" W)
#033 Passaic River	Clay Street, Newark Bypass (40°45'03" N, 74°09'58" W)
#034 Passaic River	Orange Street, Newark Bypass (40°44'47" N, 74°10'01" W)
#035 Passaic River	Bridge Street, Newark Bypass (40°44'41" N, 74°10' 00" W)
#036 Passaic River	Rector Street, Newark Bypass (40°44'29" N, 74°09'56" W)
#037 Passaic River	Saybrook Place, Newark Bypass (40°44'26" N, 74°09'44" W)
#038 Passaic River	City Dock, Newark Bypass (40°44'07" N, 74°09'44" W)
#039 Passaic River	Jackson Street, Newark Bypass (40°43'59" N, 74°09'19" W)
#040 Passaic River	Polk Street, Newark Bypass (40°43'59" N, 74°09'14" W)
#041 Passaic River	Freeman Street, Newark Bypass (40°44'02" N, 74°08'46" W)
#042 Passaic River	Curtis Pl., Paterson Overflow (40°55'11" N, 74°10'34" W)
#043 Passaic River	Mulberry St., Paterson Overflow (40°55'12" N, 74°10'33" W)

#045 Passaic River	West Broadway, Paterson Overflow (40°55'14" N, 74°10'31" W)
#046 Passaic River	Bank St., Paterson Overflow (40°55'18" N, 74°10'27" W)
#046 Passaic River	Bridge St., Paterson Overflow (40°55'23" N, 74°10'14" W)
#047 Passaic River	Montgomery St., Paterson Overflow (40°55'29" N, 74°10'03" W)
#048 Passaic River	Straight St., Paterson Overflow (40°55'33" N, 74°09'59" W)
#049 Passaic River	Franklin St., Paterson Overflow (40°55'36" N, 74°09'57" W)
#050 Passaic River	Keene St., Paterson Overflow (40°55'37" N, 74°09'56" W)
#051 Passaic River	Warren St., Paterson Overflow (40°55'40" N, 74°09'55" W)
#052 Passaic River	Sixth Avenue, Paterson Overflow (40°56'03" N, 74°10'01" W)
#053 Passaic River	East 5th St.and Fifth Ave., Paterson Overflow (40°56'11" N, 74°09'48" W)
#054 Passaic River	East 11th St., Paterson Overflow (40°56'13" N, 74°09'26" W)
#055 Passaic River	Fourth Ave., Paterson Overflow (40°56'14" N, 74°09'22" W)

#056 Passaic River	S.U.M. Park, Paterson Overflow (40°55'05" N, 74°10'46" W)
#057 Passaic River	North West St., Paterson Overflow (40°55'17" N, 74°10'33" W)
#058 Passaic River	Arch Street, Paterson Overflow (40°55'24" N, 74°10'14" W)
#059 Passaic River	Jefferson St., Paterson Overflow (40°55'26" N, 74°10'11" W)
#060 Passaic River	Stout St., Paterson Overflow (40°55'29" N, 74°10'09" W)
#061 Passaic River	North Straight St., Paterson Overflow (40°55'35" N, 74°10'00" W)
#062 Passaic River	Bergen St., Paterson Overflow (40°55'44" N, 74°09'57" W)
#063 Passaic River	Short St., Paterson Overflow (40°55'53" N, 74°10'05" W)
#064 Passaic River	Second Ave., Paterson Overflow (40°56'18" N, 74°08'35" W)
#065 Passaic River	Third Ave., Paterson Overflow (40°56'10" N, 74°08'30" W)
#066 Passaic River	33 Street and Tenth Ave., Paterson Overflow (40°55'25" N, 74°08'28" W)
#067 Passaic River	20th Ave., Paterson Overflow (40°54'21" N, 74°07'59" W)
#068 Passaic River	Market Street, Paterson Overflow (40°54'08" N, 74°08'05" W)

#069 Passaic	Passaic Tail Race, Passaic Bypass (40°51'27" N, 74°07'13" W)
#070 Passaic River	Dundee Island Lateral, Passaic Overflow (40°51'52" N, 74°06'40" W)
#071 Passaic River	Woodward Ave., Rutherford Overflow (40°49'52" N, 74°07'15" W)
#072 Passaic River	Pierrepont Ave., Rutherford Overflow (40°49'40" N, 74°07'18" W)
#073 Passaic River	Rutherford Ave., Rutherford Overflow (40°49'20" N, 74°07'25" W)
#074 Passaic River	Second River Joint Meeting, Neward Bypass (40°46'36" N, 74°09'05" W)

Addendum

#030 Passaic River	Herbert Place, New ark Bypass (40°45'55" N, 74°09'35" W)

C-2. SCHEDULE OF COMPLIANCE FOR INDUSTRIAL DISCHARGE INFORMATION

It is apparent that other pollutants attributable to inputs from major contributing industries using the municipal system are also present in the facility's discharge. At such time as sufficient information becomes available to establish limitations for such pollutants, this permit may be revised to specify effluent limitations for any or all of such other pollutants in accordance with best practicable industrial technology requirements or water quality standards.

A. Not later than August 31, 1975 , the permittee shall initiate whatever actions are needed to enable the permittee to enforce all pre-treatment requirements necessary to insure compliance with the terms and conditions of this permit as well as to insure compliance by all major contributing industries with the pre-treatment standards and any other applicable regulations promulgated pursuant to Sections 307 and 308 of the Act.

By August 31, 1975, the permittee shall notify the Regional Administrator and State Agency of the actions it intends to take to comply with the above requirement.

The permittee shall require each major contributing industry to submit to the permittee periodic notice (at intervals not to exceed 9 months) regarding specific actions taken to achieve full compliance with the requirements of Section 307. On the last day of the months of March and September, the permittee shall submit to the permit issuing authority a report summarizing the progress of all known major contributing industries subject to the requirements of Section 307 towards achieving full compliance with such requirements. Such reports shall include, at least, the following information:

(1) A narrative summary of actions taken by the permittee to develop, promulgate, and enforce its own industrial waste regulations, as well as its own legislation and thereby ensure that all major contributing industries comply with the requirements of Section 307.

(2) The number of major contributing industries using the treatment works, divided into SIC group categories.

(3) The number of major contributing industries known to be in full compliance with the requirements of Section 307, or not subject to these requirements; e.g., discharge only compatible pollutants.

(4) A list identifying by name those major contributing industries known to be presently in violation of the requirements of Section 307.

These semi-annual reports must be filed with the permitting authority by March 31 and September 30 of each year until compliance is achieved. Submission would be required again only if a major contributing industry reverts to violating the requirements of Section 307.

B. Immediately upon issuance of this permit, the permittee shall establish and implement a procedure to obtain from all major contributing industries specific information on the quality and quantity of effluents introduced by such industrial users. The following information shall be reported to the permitting agency on a semi-annual basis beginning March 31, 1975; semi-annual reports reflecting no change from the previous reporting period may simply relate this fact without submitting repetitive data. These reports should follow the format outlined in the Appendix to this compliance schedule. All required data must be submitted before March 31, 1976.

It shall be the responsibility of the Permittee to compute and include in the semi-annual reports the "best practicable" effluent limitations and to determine and implement necessary pre-treatment requirements (as provided for in 40 CFR Part 128) for the major contributing industries. In computing the allowable industrial inputs, the permittee shall utilize the applicable industrial effluent guidelines as published in the Federal Register.* In the first semi-annual report (due March 31, 1975), the permittee shall propose a schedule for determining the required pre-treatment information and, after approval by the permitting authority, shall implement the schedule. After receipt of the pre-treatment data, this permit may be amended to reflect the PVSC'S effluent requirements for incompatible pollutants.

NOTE: A major contributing industry is one that: (a) has a flow of 50,000 gallons or more per average workday; (b) has a flow greater than 5% of the flow carried by the municipal system receiving the waste; (c) has in its waste a toxic pollutant in toxic amounts as defined in standards issued under Section 307 (a) of the Act; or (d) has significant impact, either singly or in combination with other contributing industries, on the treatment works or the quality of its effluent.

* If the permittee is unable to compute effluent limitations for any industrial source category, the permittee shall so notify the permit issuing authority. After such notification, the permit issuing authority will either assume the responsibility for such calculations or will assist the permittee in computing effluent limitations for that industrial source category.

APPENDIX TO INDUSTRIAL COMPLIANCE SCHEDULE

To comply with the industrial discharge reporting requirements outlined above, the following procedure should be utilized for each major contributing industry:

> Using the following format, a description of each major contributing industry discharging to the municipal system should be prepared. A separate set of six questions should be completed for each major industrial user.
>
> See "Section IV" of "Standard Form A" (attached).

It is the responsibility of the permittee to obtain the required information for all major industrial contributors to his facility, including those contributing via another system. Actual data should be provided, if available; otherwise the best estimate should be provided and the response marked "interim." If certain of the requested information does not apply, it should be marked "N.A."

Specific instructions follow: (Question numbers refer to those on the sheet entitled "Standard Form A - Municipal".)

QUESTION 1 - MAJOR CONTRIBUTING FACILITY: - Give the name and address that designates the location of the industrial facility.

QUESTION 2 - PRIMARY STANDARD INDUSTRIAL CLASSIFICATION CODE: - Using four-digit standard industrial classification (SIC) codes, indicate the type of industrial facility that is discharging into the municipal system. Standard industrial classification (SIC) code numbers and descriptions may be found in the 1972 edition of the "Standard Industrial Classification Manual" prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office, Washington, D.C. Do not use previous editions of the manual. Copies are also available for examination at State water pollution control offices, Regional Offices of the U.S. Environmental Protection Agency, and at most public libraries.

QUESTION 3 - PRINCIPAL PRODUCT OR RAW MATERIAL: Specify either the principal product or the principal raw material and the maximum quantity per day produced or consumed. Quantities are to be reported in the units of measurement given in Table B for particular SIC cate-

gories. Enter the letter-number code from the "Code" column in Table B for the units selected under "Units." For SIC categories not listed, use the units of measurements normally used by that industry.

QUESTION 6: Indicate the characteristics of the wastewater from the contributing industry in terms of parameters that will adequately identify the waste, such as BOD, COD, Cr, Zn, pH units, degrees Fahrenheit, etc. The characteristics should be indicative of the waste stream after any pre-treatment is provided by the industrial facility but prior to entering the municipal system.

In addition to parameter names, report values in units specified in Table A. The first column, "Parameter & Units," indicates the preferred units for reporting data for a given parameter. The second column, "Method," lists the preferred analytical method, if any, for determining the required parameter values. The next three columns, "References," give the page numbers in standard reference works where a detailed description of the recommended analytical technique given under "Method" can be found. These standard references are:

1. STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATERS, 13th edition, 1971, American Public Health Association, New York, New York 10019.

2. A.S.T.M. STANDARDS, PART 23, WATER; ATMOSPHERIC ANALYSIS, 1972, American Society for Testing and Materials, Philadelphia, Pa. 19103.

3. EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, April 1971, Environmental Protection Agency, Water Quality Office, Analytical Quality Control Laboratory, 1014 Broadway, Cincinnati, Ohio 45202.

Copies of these publications are available from the above sources, or for review in the Regional Offices of the U.S. Environmental Protection Agency or the State Water Control Board.

The last column, "Data Reporting Level," indicates that nearest significant figure (digit) to which the data must be reported. For example, the figure X for chloride indicates that chloride data must be reported to the nearest whole milligram per liter. This level should not be confused with "detectable limits"; applicable detection limit information can be obtained from the appropriate reference source.

Additional information obtained through the permittee's "Waste Effluent Survey" description shall be submitted for each major industry. Such additional information should include:

(1) A brief description of industrial operations.

(2) The quantity of water used by the industry for the preceding year, classified according to source; i.e., purchased water, well water, river water.

(3) A description of the date and timespan of samples reported in answer to Question number 6 of "Section IV."

(4) A description of the industry's flow variation, including hours of discharge and maximum, minimum and average flow rates.

Attachment NJ0021016

FOR AGENCY USE

STANDARD FORM A–MUNICIPAL

SECTION IV. INDUSTRIAL WASTE CONTRIBUTION TO MUNICIPAL SYSTEM Page of

Submit a description of each major industrial facility discharging to the municipal system, using a separate Section IV for each facility description. Indicate the 4 digit Standard Industrial Classification (SIC) Code for the industry, the major product or raw material, the flow (in thousand gallons per day), and the characteristics of the wastewater discharged from the industrial facility into the municipal system. Consult Table III for standard measures of products or raw materials. (see instructions)

1. Major Contributing Facility (see instructions)

Name	401a	
Number & Street	401b	
City	401c	
County	401d	
State	401e	
Zip Code	401f	

2. Primary Standard Industrial Classification Code (see instructions) 402

3. Principal Product or Raw Material (see instructions)

			Quantity		Units (See Table III)
Product	403a	403a		403a	
Raw Material	403b	403b		403b	

4. Flow Indicate the volume of water discharged into the municipal system in thousand gallons per day and whether this discharge is intermittent or continuous.

404a _____ thousand gallons per day

404b ☐ Intermittent (int) ☐ Continuous (con)

5. Pretreatment Provided Indicate if pretreatment is provided prior to entering the municipal system 405 ☐ Yes ☐ No

6. Characteristics of Wastewater (see instructions)

	Parameter Name							
406a	Parameter Number							
406b	Value							

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C-3. SEWER SYSTEM EVALUATION AND REHABILITATION COMPLIANCE SCHEDULE

A. The permittee has, in accordance with 40 CFR 35.927, initiated a Sewer System Evaluation and Rehabilitation Program. The permittee shall, by August 31, 1976, submit to both the Regional Administrator and the NJDEP the results of Phase I (Infiltration/Inflow Analysis) of this program.

B. If it is determined by the results obtained from the Infiltration/Inflow Analysis that the Sewer System Evaluation and Rehabilitation Program is to continue, the permittee shall, within one month of approval of the Analysis (Phase I) Report by the USEPA and the NJDEP, submit a program for Phase II (Field Investigation and Survey), together with a proposed Engineering Contract for said work and an application for a Federal grant for this work. Within two months of approval by the USEPA of this program, contract and a grant, the permittee shall execute the contract and start Phase II of the program.

C. Upon completion by the permittee of Phase II of the Sewer System Evaluation and Rehabilitation Program and after approval by the Regional Administrator and the NJDEP of the results of Phase II, this permit may be revised to incorporate a compliance schedule for construction or rehabilitation (Phase III) recommended by Phase II.

C-4. WET WEATHER FLOW STUDY COMPLIANCE SCHEDULE

A. Operation of Systems with Combined Sewers

i. General Requirements

1. The permittee shall operate the treatment works, including the treatment plant and total sewer system, to minimize discharge of the pollutants listed in the permit from combined sewer overflows or bypasses.

2. No new sources of stormwater inflow shall be connected to any separate sanitary sewers in the sewer system.

ii. Preliminary Requirements

1. Report on Maximum Treatable Flow Rates

The permittee must report to the Regional Administrator and the State agency by August 31, 1975, the maximum treatable flow rates for the treatment plant or any complete unit process. The maximum treatable flow rates must be at least equal to one of the following:

a. The maximum hydraulic flow rate for which the treatment plant was designed, or the maximum hydraulic flow rate for which the treatment plant can provide partial treatment.

b. The maximum flow rate that can be delivered to the plant without causing seriously adverse conditions, such as substantial property damage, in the interceptor and lateral sewer system.

The permittee shall operate the system so as to achieve the maximum treatable flow.

2. In lieu of the above, The permittee may submit a detailed operational plan designed to minimize pollutant discharges from the treatment and sewer system. The permittee must demonstrate that, if implemented, the plan would provide for a lower discharge of pollutants from the system during wet weather than that occurring if the hydraulic flow were treated during wet weather at the limiting flow rate in B. 1. above. The treatment plant and sewer system shall be operated in accordance with this plan.

3. The permittee shall also report by February 28, 1977, to the permit issuance authority a proposed method for estimating the number and location of new sewer connections which will be served by combined sewers for the duration of the permit. The permittee shall also report by February 28, 1979, a proposed method for estimating the impact of the additional flows generated by these new sewer connections on the volume of discharges from the combined sewer system. This method shall be used in the development of the operational plan required in Section iii, below.

iii. Operational Plan

An interim operational plan designed to minimize the discharge of pollutants from combined sewer overflows and bypasses must be submitted by the permittee to the Regional Administrator and the State Agency by June 30, 1976. The plan will provide for optimal coordinated operation of the sewage treatment plant and contributing sewer systems. The plan will specifically:

1. Refine the estimate of maximum treatable flow.

2. If applicable, report the number, location, types, and kinds of regulators and their respective operating history, maintenance program, and performance efficiency.

3. Report the calculated or estimated storage capacities of the sewer system upstream from all control devices such as pump stations and regulators, or combined sewer discharges.

4. Provide operational procedures for utilizing at least 80% of the available capacity of interceptors and trunk lines upstream of any control devices such as pump stations, or regulators prior to any discharge from a combined sewer overflow or bypass; or provide, if such storage capacity utilization cannot be achieved with existing control devices, the operational procedures for maximizing the use of storage prior to any combined sewer discharge.

5. Provide a method to determine if the upstream storage capacity was utilized prior to any discharge from the combined sewer system.

3. The permittee shall also report by February 28, 1976, to the permit issuance authority a proposed method for estimating the number and location of new sewer connections which will be served by combined sewers for the duration of the permit, and a proposed method for estimating the impact of the additional flows generated by these new sewer connections on the volume of discharges from the combined sewer system. This method shall be used in the development of the operational plan required in Section iii, below.

SUPERCEDED
INSERTION
see revision

iii. Operational Plan

An interim operational plan designed to minimize the discharge of pollutants from combined sewer overflows and bypasses must be submitted by the permittee to the Regional Administrator and the State agency by June 30, 1976.
The plan will provide for optimal coordinated operation of the sewage treatment plant and contributing sewer systems. The plan will specifically:

1. Refine the estimate of maximum treatable flow.

2. If applicable, report the number, location, types, and kinds of regulators and their respective operating history, maintenance program, and performance efficiency.

3. Report the calculated or estimated storage capacities of the sewer system upstream from all control devices such as pump stations and regulators, or combined sewer discharges.

4. Provide operational procedures for utilizing at least 80% of the available capacity of interceptors and trunk lines upstream of any control devices such as pump stations, or regulators prior to any discharge from a combined sewer overflow or bypass; or provide, if such storage capacity utilization cannot be achieved with existing control devices, the operational procedures for maximizing the use of storage prior to any combined sewer discharge.

5. Provide a method to determine if the upstream storage capacity was utilized prior to any discharge from the combined sewer system.

6. Analyze the effect on the total volume of combined sewer discharges of new sewer connections anticipated for the duration of the permit. If these additional connections are expected to increase the total volume of discharges for like meteorological conditions, the plan must provide a method for the prevention of this increase by regulation or control of new connections and/or an offsetting of any added flows by such means as sewage and inflow reduction, in-system flow routing, and treatment and enlargement of sewer and treatment capacity.

B. Monitoring of Systems with Combined Sewers

i. General Requirements

Point sources as noted in Section C-1, are overflows resulting when the hydraulic flow capacity of the system has been exceeded.

These discharge points may be utilized for wet weather overflows or bypasses to the extent specified by the approved preliminary report and interim operational plan. For all overflows the permittee is required to take the following actions:

In conjunction with the permittee's Infiltration/Inflow Analysis the permittee shall take measurements at overflow stations and at bypass points to determine overflows due to both infiltration and inflow. Such overflows shall be related to rainfall wherever possible, and time-duration curves shall be developed to establish both peak rates and total quantity overflowed insofar as may be possible. Sampling of such overflows shall be undertaken to determine the quality of the bypassed storm water flows and its effect on the River. The results of such analyses shall be included in the report required August 31, 1976.
(see Condition C-3(A) on Infiltration/Inflow Analysis).

ii. Reporting Results

Included in the report required above, or in a separate report to be submitted by June 30, 1977, the permittee shall make recommendations concerning the alternative plans for corrective action along with recommendations for alleviating and/or treating overflow discharges including estimates of cost for implementing the alternative plans. The alternative strategies to be evaluated shall include, as a minimum:

a. dual use treatment facilities;

b. storing and/or treating initial or final sewer system flushes;

c. storage and subsequent treatment of discharges;

d. improvements in the sewer system.

C-5 FACILITIES UPGRADING COMPLIANCE SCHEDULE

A. The permittee shall, before August 1, 1976, complete and submit to both the Regional Administrator and the State Agency, a detailed design report and plans and specifications, together with a Step 3 Grant Application, for the Phase I* modifications to the treatment facilities. 3/ Within one year after approval by the USEPA and the NJSDEP of Phase I, the permittee shall submit a detailed design report and plans and specifications for Phase II* modifications to the treatment facilities. 3/

B. Construction grant project number C-34-369-02, contracts numbered 480, 481, 484, 485, 487, 494, 491, 496A and 496B, is expected to be certified to the USEPA by the NJSDEP in a short time. Upon being awarded the Federal grant, the PVSC must advertise for receipt of bids in a timely manner. The following schedule shall be followed: one or more contracts must be advertised for bids within three months after receipt of the Federal grant. All nine contracts must be advertised for bids within seven months after receipt of the Federal grant.

Upon receipt by the USEPA of additional NJSDEP certified construction grant applications for completion of the facility upgrading, this permit shall be revised to include the appropriate schedules for advertising the remaining contracts.

*Facilities upgrading to be accomplished in two major construction phases. Phase I involved construction of new secondary settling facilities, biological units, pumping stations, maintenance building, etc., and the major part of the sludge handling facilities. Phase II involves the demolition of existing primary settling facilities and the construction of new primary settling facilities and the remaining sludge handling facilities.

NOTES:

1/ If the time period allotted for the completion of an interim requirement specified above is greater than 9 months, then the permittee shall submit a report detailing its progress toward completion of the interim requirement at the end of the first 9-month period and at the end of each succeeding 9-month period (including, of course, the report, specified above, required within 14 days following the specified completion date).

2/ Each notice of non-compliance shall include the following information:

A. a short description of the non-compliance;

B. a description of any actions taken or proposed to be taken by the permittee to comply with the elapsed schedule requirement without further delay;

C-5. FACILITIES UPGRADING COMPLIANCE SCHEDULE

SUPERCEDED see revision

A. The permittee shall, before February 28, 1976, complete and submit to both the Regional Administrator and the State agency, a detailed design report and plans and specifications, together with a Step 8 Grant Application, for the Phase I* modifications to the treatment facilities. 3/ Within one year after approval by the USEPA and the NJDEP of Phase I, the permittee shall submit a detailed design report and plans and specifications for Phase II* modifications to the treatment facilities. 3/

B. The permittee shall, within two months after receiving an offer of a grant from USEPA and approval from both the Regional Administrator and the State agency of the documents required above, advertise for the receipt of bids, in accordance with the detailed schedule submitted with the Step 8 grant application, approved by the USEPA. Within one month after approval by USEPA and NJDEP of bids received, the permittee shall award the construction contracts for the approved work.

*Facilities upgrading to be accomplished in two major construction phases. Phase I involved construction of new secondary settling facilities, biological units, pumping stations, maintenance building, etc., and the major part of the sludge handling facilities. Phase II involves the demolition of existing primary settling facilities and the construction of new primary settling facilities and the remaining sludge handling facilities.

NOTES:

1/ If the time period allotted for the completion of an interim requirement specified above is greater than 9 months, then the permittee shall submit a report detailing its progress toward completion of the interim requirement at the end of the first 9-month period and at the end of each succeeding 9-month period (including, of course, the report, specified above, required within 14 days following the specified completion date).

2/ Each notice of non-compliance shall include the following information:

A. a short description of the non-compliance;

B. a description of any actions taken or proposed to be taken by the permittee to comply with the elapsed schedule requirement without further delay;

C. a description of any factors which tend to explain or mitigate the non-compliance; and,

D. an estimate of the date permittee will comply with the elapsed schedule requirement and an assessment of the probability that permittee will meet the next schedule requirement on time.

2/ It is recommended that sufficient flexibility must be maintained so that modifications to design parameters, necessitated by the results of the sewer system evaluation and wet weather study, may be made.

KLL006283

This permit shall become effective on February 28, 1975.

This permit and the authorization to discharge shall be binding upon the permittee and any successors in interest of the permittee and shall expire on June 30, 1977. The permittee shall not discharge after the above date of expiration. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information, forms, and fees as are required by the agency authorized to issue NPDES permits no later than December 31, 1976.

By authority of Gerald M. Hansler, P. E.
(Regional Administrator)

JAN 29 1975
Date

Meyer Scolnick
Meyer Scolnick, Director
Enforcement and Regional
Counsel Division

ROBERT J. DAVENPORT
CHAIRMAN

CHARLES A. LAGOS
VICE CHAIRMAN

THOMAS J. CIFELLI
VINCENT CORRADO, SR.
KENNETH W. HAYDEN
DONALD TUCKER
COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

September 18, 1987

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. William Boehle, Section Chief
Industrial Pretreatment Program
Water Quality Management
New Jersey Department of Environmental Protection
P.O. Box CN 029
Trenton, New Jersey 08625

RE: PRETREATMENT PROGRAM ANNUAL REPORT NUMBER 4

Dear Mr. Boehle:

Enclosed is the fourth annual report submitted by Passaic Valley Sewerage Commissioners to your agency. This report covers the one year period from August 1, 1986 through July 31, 1987. As in the past, we will be available to meet with your staff to answer questions or discuss continued efforts to improve this document.

Please direct any inquiries in reference to this report to Frank D'Ascensio.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

cc: Frank D'Ascensio
Richard Baker

RECEIVED
SEP 21 1987
STATE OF NEW JERSEY
DEPT. ENVIRONMENTAL PROTECTION
DIVISION WATER RESOURCES
BUR. OF IND. WASTE MGMT.

copy sent to
contact file 9/28/87
fm

ANNUAL POTW PRETREATMENT PROGRAM

REPORT OUTLINE

JULY 1987

State of New Jersey
Department of Environmental Protection
Division of Water Resources
Industrial Pretreatment Section
CN-029 Trenton, NJ 08625

AR-1

INDUSTRIAL PRETREATMENT PROGRAM ANNUAL REPORT

NJPDES Permit Holder or Sewer Authority Name: Passaic Valley Sewerage Commissioners

Report Date: September 18, 1987

Period Covered by This Report: from 8/1/86 to 7/31/87

Period Covered by Previous Report: from 8/1/85 to 7/31/86

Name of Wastewater Treatment Plant(s)	NJPDES Permit Number
Passaic Valley Sewerage Commissioners	0021016

Person to contact concerning information contained in this report:

Name: Frank P. D'Ascensio

Title: Manager of Industrial & Pollution Control

Mailing Address: 600 Wilson Avenue

Newark, New Jersey 07105

Telephone No.: (201) 344-1800

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete.

Date: September 18, 1987

Signature of Official

Executive Director
Title

PRETREATMENT PROGRAM ANNUAL REPORT NUMBER 4

AUGUST 1, 1986 THROUGH JULY 31, 1987

II **Table of Contents** - Not Used

III **Report Summary**

In our previous report we discussed the delay experienced by Seton Company in getting appproval from the City of Newark for construction of the line required as part of its sulfide waiver. It appeared after considerable followup that the line was going to be delayed, probably through 1987. With this in mind, the Commissioners will be discussing the matter at their August meeting. Legal action may be taken to rescind the waiver for the new line and to require Seton Company to take alternate means to meet the pretreatment limitations as quickly as possible.

On April 16, 1987, the Commissioners approved the purchase of a portable gas chromatograph. This instrument will enable us to identify and quantify the sources of the various volatile organics. More importantly, it will help us determine whether the industrial users are the source of most of the volatiles discharged to the sanitary sewer. A permit modification from the Nuclear Regulatory Commission was not issued until July 2, 1987, and delivery is scheduled for August.

PVSC received notification that the Central Metal Recovery Facility did indeed begin operating on July 1, 1987. An existing company, Envirite, located in Connecticut, will regenerate the resin and recover the heavy metal. Since Recovery is the only way to keep the metals from becoming waste, we hope that the facility succeeds and that the federal agencies do more to promote recovery of toxic pollutants.

On August 3, 1987, PVSC received the Pretreatment Program Annual Report Review for the third annual report. The comments contained in that Review have been incorporated in this report and will be incorporated in future reports.

Department personnel have been working very hard on assembling the necessary information to identify the industrial users located in the communities that will be connecting to the PVSC system. Sewer Connection Applications have been distributed to about 285 users in Bayonne, Jersey City, Totowa and West Paterson. For many companies, this is the first time that they have been exposed to the federal regulations and PVSC representatives conducted seminars for Bayonne, Jersey City, Totowa and West Paterson users and municipal officals.

Early in 1987, PVSC upgraded its computer software with the purchase of an interactive database management program for use with the pretreatment system. We are in the process of developing the applications and expect to have the major one completed by the next annual report.

IV Industrial Inventory

See Form AR-2

Over the years the total number of industrial users has not changed drastically. However, we have seen the types of user change from the high water use, wet industries to low water use industries. Thus, the industrial portion of total volume has declined from 22% to 18%. The impact on the contribution from all the new communites cannot be predicted at this time.

Summary

(a)	number of categorical industries.....	166
(b)	number of significant/major non-categorical industries.....	117
(c)	number of other regulated non-categorical industries.....	72

V Compliance with Categorical Standards by Industrial Users

See Form AR-3, AR-4 and AR-4A

As can be seen, nearly all categorical users are in compliance. Legal action is either in progress or about to be instituted where non-compliance has been longstanding. This does not include those users whose semi annual reports have not been received as yet and may be out of compliance. Follow up violation letters have been sent to all who have not submitted the required report. We have included a sheet numbered 4A for those companies who would be covered by categorical standard if they had a discharge from the process, but at the present time they have a zero discharge from the process. These companies will be required to submit a certification of zero dishcharge on a semi-annual basis.

VI Monitoring Program

See Form AR-5a, AR-5b, AR-5c and AR-6

There are now 124 users that have installed 132 pH recorders and/or pH control systems as compared with 102 users last year. We have 3 portable pH recorders which are used to monitor discharges from users without pH control systems when we suspect that a pH problem exists.

We continue to use our LEL recorder to monitor discharges from users suspected of discharging flammable solvents. As described in Section III, we expect to receive a portable gas chromatograph in August, 1987. This instrument will enable us to identify and quantify the various volatile organics that are discharged to the sanitary sewer. This data will provide the basis for establishing a local limit for volatiles, if necessary.

All categorical users are required to submit semi-annual reports as contained in 40 CFR 403. Non-categorical users submit compliance reports also. We review the reports and have established a check off list which itemizes deficiencies. This is sent to a designated user with a form letter requiring corrective action. When a categorical user is following an extensive construction program, we require monthly status reports.

During the on site audit of our Pretreatment Program, we were asked to document heavy metal data to DEP. Although this information was submitted on August 20, 1987, we are including a copy in this report as well, since it covers a period of time through December 31, 1986. It documents substantial reductions in heavy metals.

PVSC monitors its influent and effluent daily for the conventional pollutants, while the sludge is monitored monthly. Monthly composites of influent, effluent and sludge are analyzed for heavy metals. Due to the extreme variability of the organics, as documented in the priority pollutant scan which was described in a previous annual report, we do not feel it is justified to spend large sums of taxpayer's money for organics analyses at this time. We hope that the portable gas chromatograph will fill in this information gap by identifying sources of volatiles. Analyses for the acid and base neutral fractions can be performed when a clear need arises. Finally, a quarterly bioassay is performed on the sludge. We have also included an updated analytical data summary (AR-5A) from the 1986 report. This update now includes data that was not available when the 1986 report was submitted. It is our plan to include this update in future reports if the AR-5A is incomplete.

With respect to categorical users, our goal is to visit each one at least yearly to conduct a compliance inspection of their instrumentation, records for the past month and observe operational changes or potential problems. During the onsite audit of our Pretreatment Program, we were asked to better document the comprehensive inspections which we conduct. Since that time we began using the recommended check off list on all comprehensive inspections. These comprehensive inspections will be conducted on an annual basis, with a goal to increase the frequency to semi-annually.

Concerning monitoring for compliance, we take annual 4 day composites for those users with heavy metal limits, whether categorical or non-categorical. Sampling for other parameters, such as cyanide or petroleum hydrocarbons, is done on an exception basis where the frequency of monitoring would vary from monthly to quarterly depending upon experience. If a violation is encountered, the frequency normally is increased.

VII Compliance/Enforcement Activities

See Forms AR-7 and AR-8

All local limit violations have either been corrected or the violators are under direction to install monitoring and control equipment. In addition to being directed to install appropriate pretreatment equipment, one company, Orval Kent is being back charged for labor and dumping fees while they continue to discharge excessive solids into the sewer. Data is being collected by the PVSC line crew on several other companies that are discharging excessive solids. In the event that back charging is not sufficient incentive to correct their problem, it may be necessary to recommend that legal action be taken against these companies in order to get them to comply.

There were 49 reporting violations during the reporting period. These violations were mostly from companies who were tardy in their submission or who after submitting their reports, had certain deficiencies that kept the reports from being complete. While there was little difference in the number of reporting violations from last year, this can be explained by a number of new companies that have had to submit compliance reports. This also applies to the increase in the State/Federal violations over last year. As companies become better educated on reporting requirements, we expect that this type of violation will decrease. There was significant improvement in reporting by companies that have been submitting reports for several years.

Two leather companies have opted to be regulated by the limits specified in 40 CFR 425 rather than by the provisions of the sulfide waiver granted by EPA to PVSC. EPA and NJDEP will be notified of their intent in writing. Therefore, for enforcement purposes, PVSC will follow the limits specified in the regulation. The other company, Seton Leather, is discussed in detail in the report summary.

In connection with the waiver granted by NJDEP for petroleum based oil and grease, PVSC began collecting data from one company on a weekly basis in order to justify the setting of a reasonable limit. After about three months of consistent results, we suddenly started getting much lower results. A full scale investigative program was initiated in an effort to resolve the discrepancy. This program is still ongoing.

As a result of our monitoring efforts a number of companies have been required to install cyanide destruct systems. In addition, companies that had installed cyanide destruct systems but did not have pH recorders to monitor the pH of their discharge on a continuous basis were required to do so. This accounts in part for the increase in pH recorder installations mentioned in the summary.

The new and more sophisticated Atomic Absorption Spectrophotometer was placed into service in October of 1986. This instrument has enabled our laboratory to produce metal analyses more quickly, thereby increasing the effectiveness of our enforcement actions. At present, users are only required to submit one anlaysis during a six month period to show compliance except in the case of chronic violators. We have also issued notices of violation on the basis of PVSC analysis results.

PVSC personnel continue to enjoy good support with other regulatory and law enforcement agencies.

VIII Program Evaluation

The best way to evaluate the success of a pretreatment program is to compare the quality of the influent to the POTW. The consistent reductions in influent heavy metals is one clear indication of the effectiveness of the pretreatment program. While the reductions have been substantial, we expect further reductions as some larger users fine tune their pretreatment processes. The large number of users with installed pH and LEL monitoring and control systems has had a beneficial effect on PVSC influent, though it is difficult to quantify exactly with a combined sewer system.

An excellent way to also evaluate the program is the likelihood of users notifying the POTW of problems that could go undetected at the POTW. One would expect that larger users, concerned with a public image, would be desirous of doing this. However, even though it is required by the PVSC Rules and Regulations, we did not expect the small users to do this also. It proves that the education process has worked. Some users have been required to dispose of waste offsite, through a licensed hauler, whereas they could have merely dumped the material into the sewer.

While the number of fines issued or enforcement actions commenced is not very high, it should not be construed that the pretreatment program is ineffective. One could reasonably state the opposite, that an effective program avoids these adverserial procedures. PVSC has recognized the effectiveness of fines as one of several tools to be used. At the request of EPA, PVSC is planning to request legislation to increase substantially the amount of the fines that it can assess.

One area of concern involves the ever increasing use of POTW for groundwater decontamination. PVSC is receiving requests almost weekly for the discharge of pretreated groundwater. Due to the DEP's concern for volatiles and lack of guidance from them, we have adopted a requirement for the use of carbon columns in nearly every case. The DEP should be concerned with the organics (especially the volatiles) that result from the pretreatment process and determine whether these pollutants are being properly disposed of when the carbon columns are regenerated.

Another area of concern is data management. The various regulatory agencies keep creating new programs in response to valid concerns. However, the recordkeeping and paperwork requirements also keep escalating. Even after separating old, outdated information, a file on a typical categorical user could be 6 inches thick. The sheer volume of paper to be examined by DEP officials during the annual audit was overwhelming. To handle the increasing load we recently purchased a more powerful database software package. We also have exceeded the 20 mb storage capacity of our computer/word processor and expect to increase the storage to 60 mb. PVSC is rather fortunate in being able to provide these systems, but a smaller POTW is probably suffering more. DEP could do more to streamline the flow of paper and focus on results.

ROBERT J. DAVENPORT
CHAIRMAN

CHARLES A. LAGOS
VICE CHAIRMAN

THOMAS J. CIFELLI
VINCENT CORRADO, SR.
KENNETH W. HAYDEN
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Passaic Valley
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600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1900

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

August 20, 1987

Mr. William Boehle
New Jersey Department of Environmental Protection
Industrial Pretreatment Program
Water Quality Management
P.O. Box - CN 029
Trenton, New Jersey 08625

RE: INFLUENT HEAVY METALS

Dear Mr. Boehle:

During the 1987 Pretreatment Audit conducted by your staff, various data was discussed concerning the levels of heavy metals which enter the Passaic Valley Sewerage Commissioners Treatment Plant. Mary Jo Aiello requested that we prepare a report detailing this data. This letter should satisfy that request. Enclosure (1) contains a listing of the average pounds per day present in the influent, for seven metals over a four year period. Enclosure (2) contains graphs of the data. The data begins with the E.T. Killam Heavy Metal Source Determination Study which was conducted from 1978-80. Data from January, 1981 through June, 1983 was not used since too few samples were taken.

It is most notable that substantial reductions occurred for all metals with 51.3% being the lowest, and 91.0% being the highest. We anticipate further reductions in cadmium, chromium and lead as three companies achieve more uniform compliance.

I trust that this satisfies your request. If you have any other questions, please call.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Frank P. D'Ascensio,
Manager of Industrial & Pollution Control

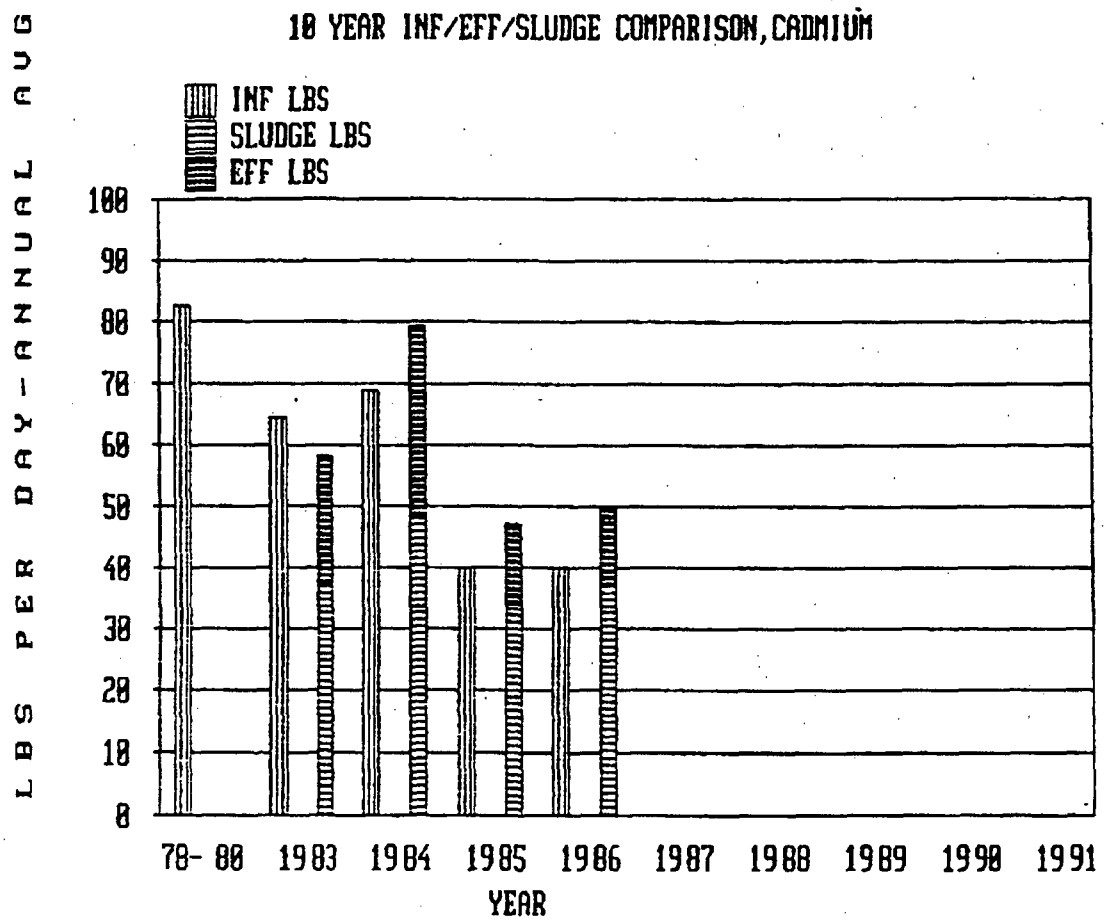
FPD/mc

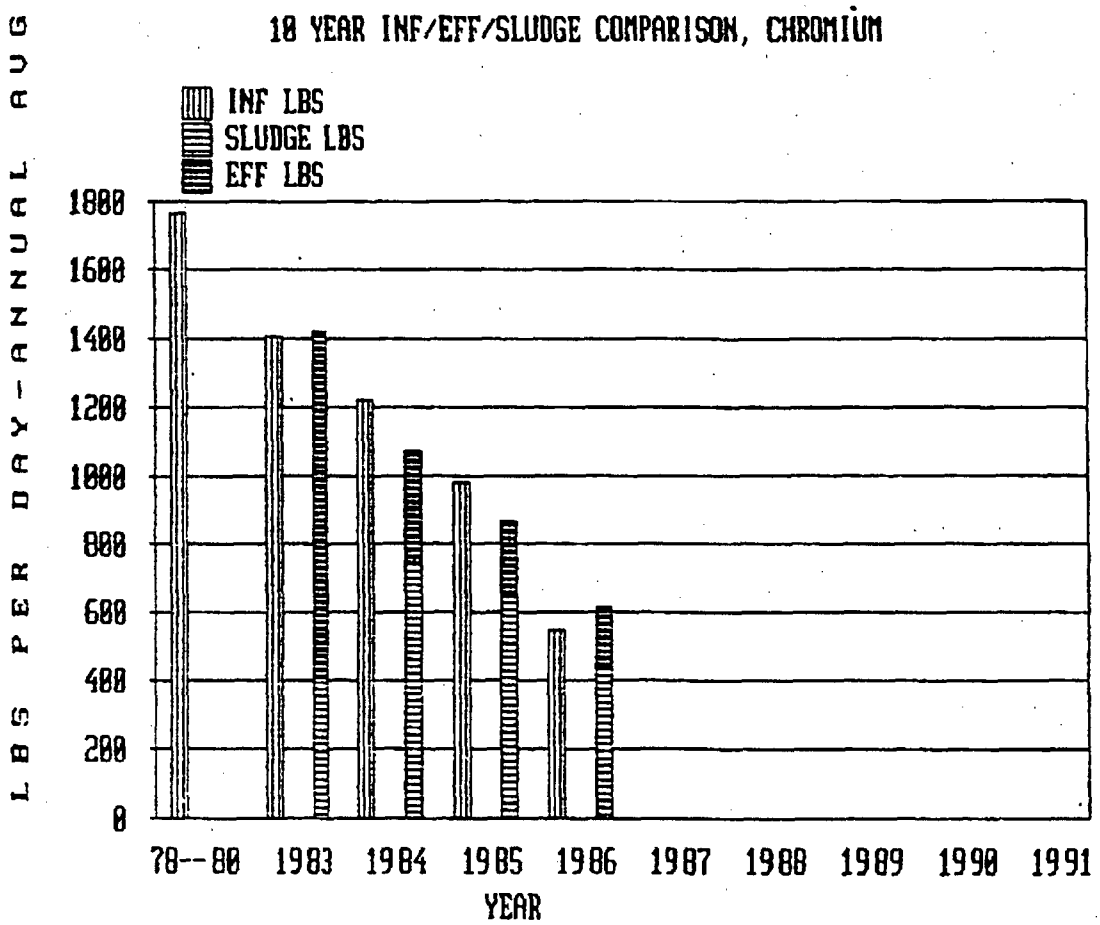
cc: Carmine T. Perrapato, Executive Director

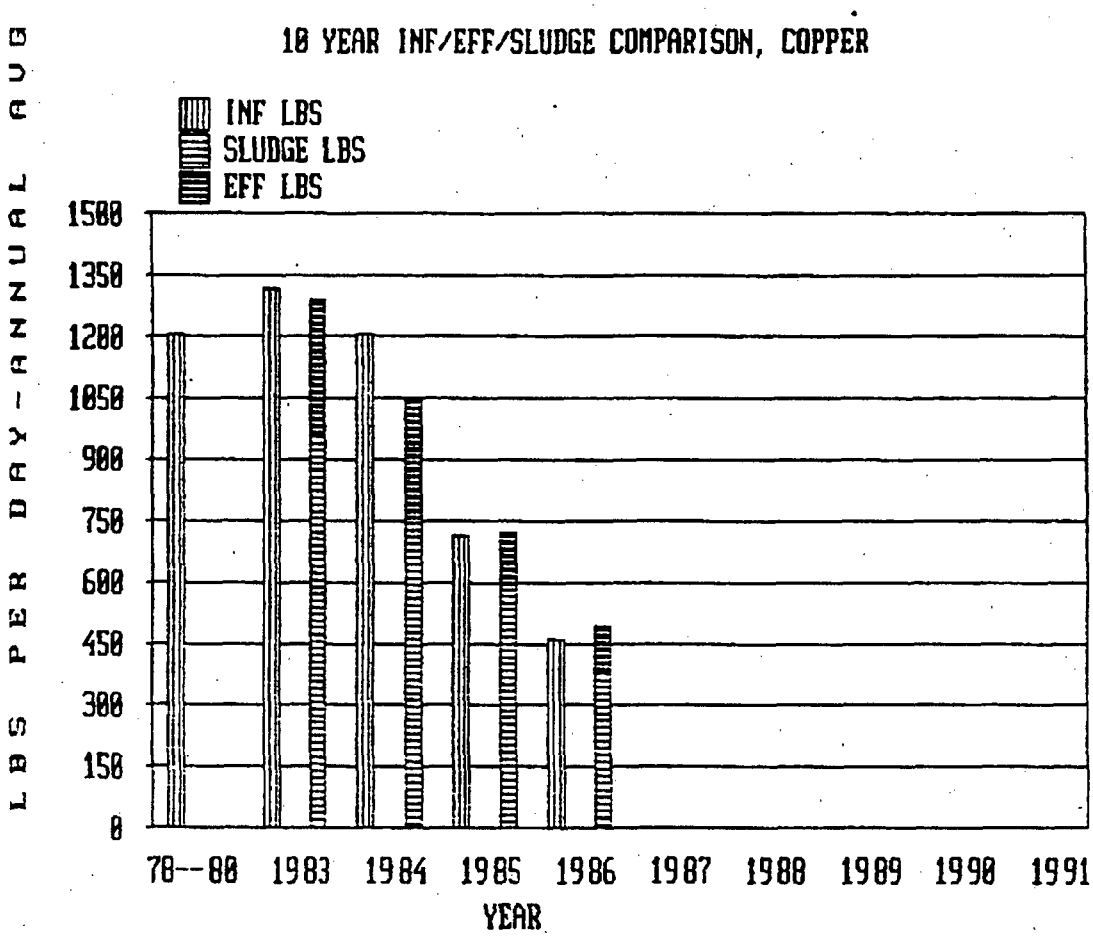
ENCLOSURE (1)

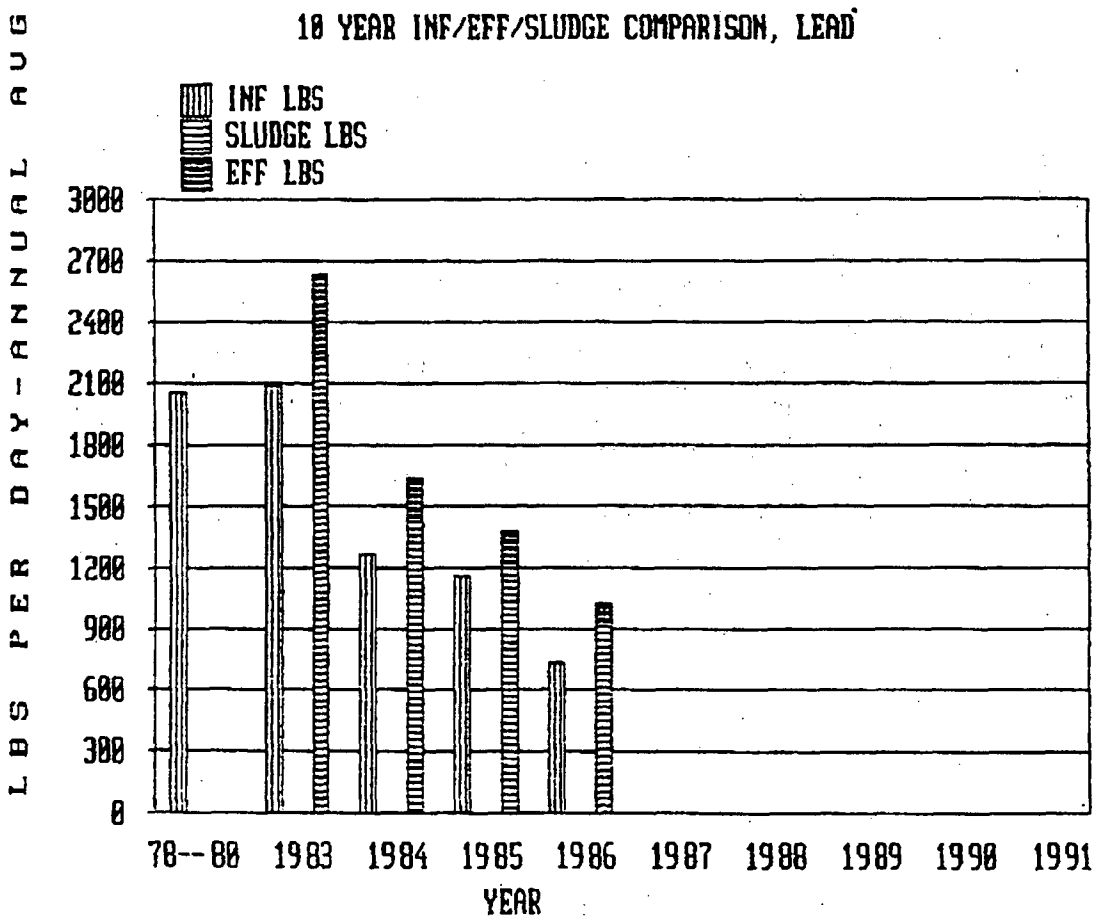
Influent levels of heavy metals, based on monthly composite samples, averaged for the respective year. The percent change is the cumulative change from the base year and shows the total increase or decrease.

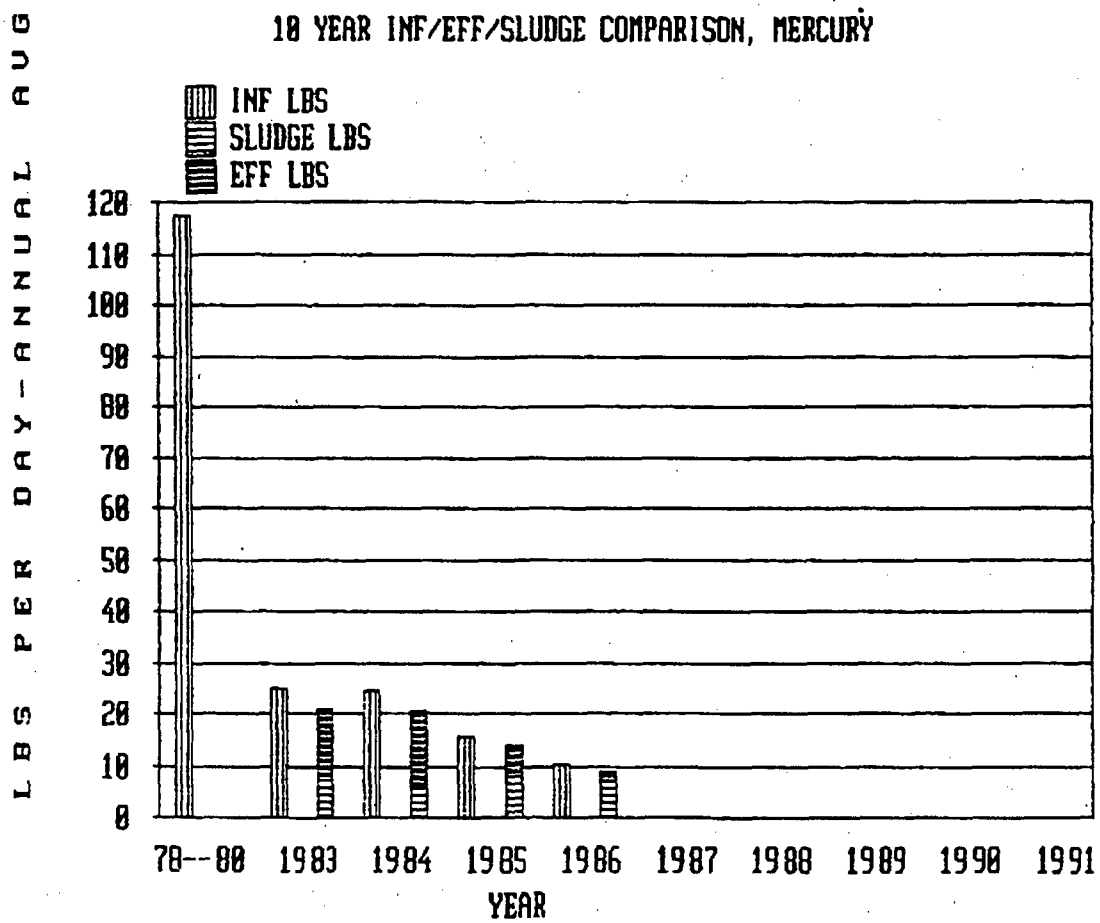
Metal	Influent Lbs/Day Avg				
		Year			
	E T Killam	6 Months			
	1978-80	1983	1984	1985	1986
Cadmium lbs/day	82.7	64.5	68.9	40.0	40.3
% change		-22	-16.7	-51.6	-51.3
Chromium lbs/day	1771	1413	1222	984	548
% change		-20.2	-31.0	-44.4	-69.1
Copper lbs/day	1210	1321	1207	720	466
% change		+9.2	-0.2	-40.5	-61.5
Lead lbs/day	2060	2094	1272	1161	735
% change		+1.7	-38.3	-43.6	-64.3
Mercury lbs/day	117.4	24.9	24.8	15.8	10.6
% change		-78.8	-78.9	-86.5	-91.0
Nickel lbs/day	1051	698	635	334	287
% change		-33.6	-39.6	-68.2	-72.7
Zinc lbs/day	5497	3252	2423	2004	1957
% change		-40.8	-55.9	-63.5	-64.4

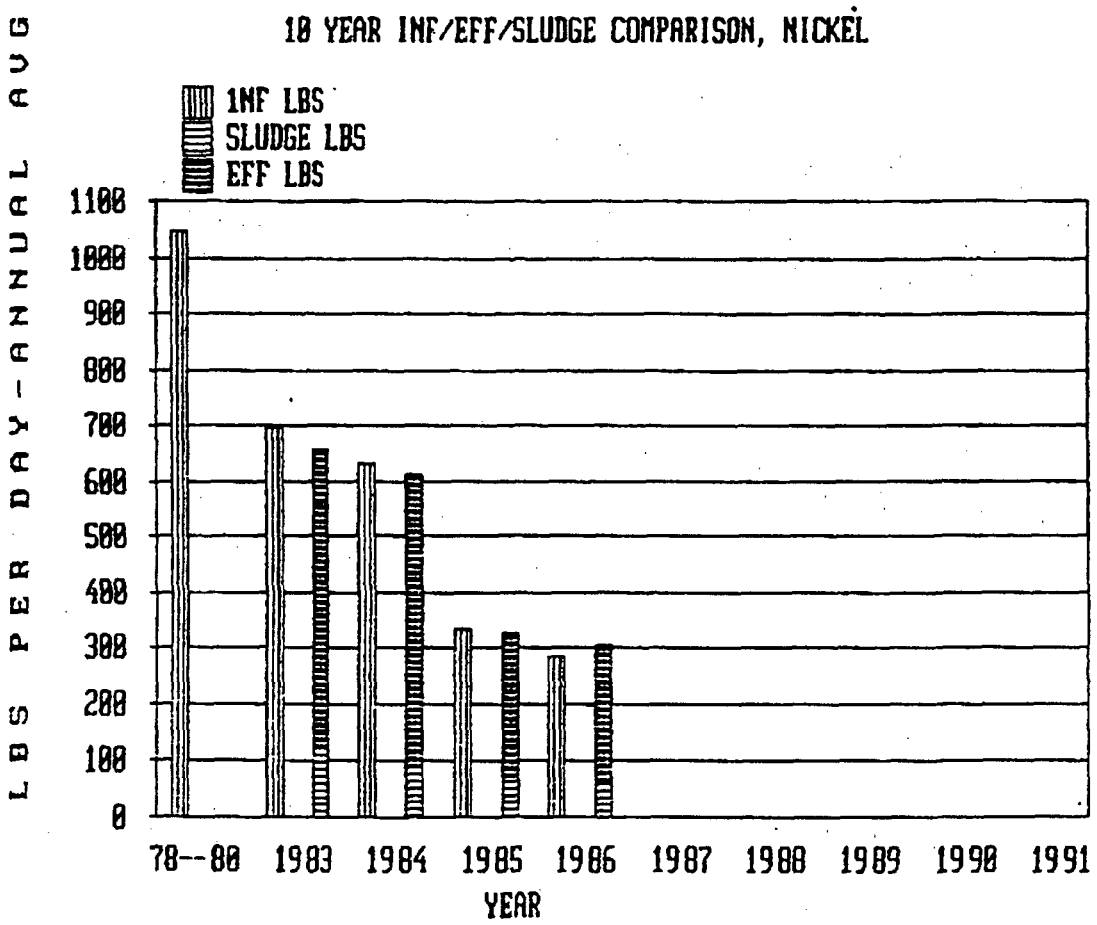

10 YEAR INF/EFF/SLUDGE COMPARISON,CADMIUM
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
100
90
80
70
60
50
40
30
20
10
0
78-80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR

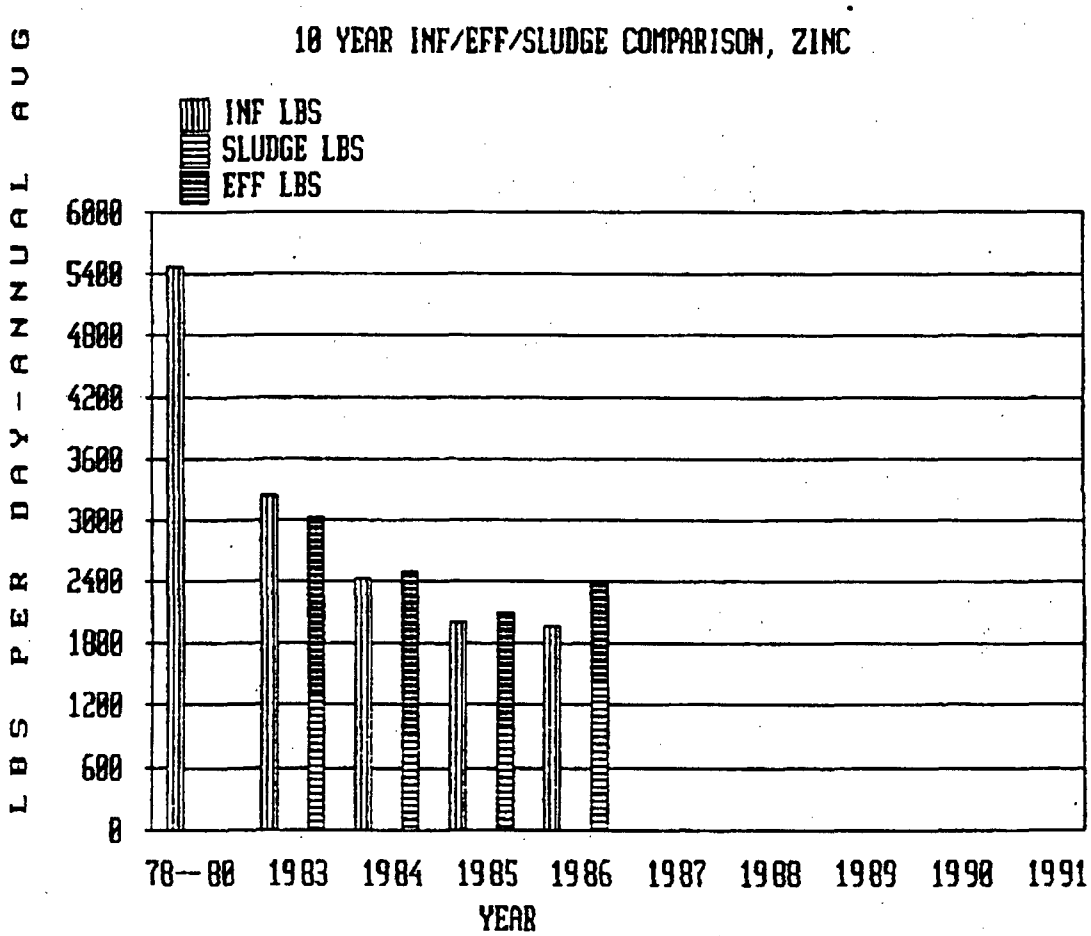

10 YEAR INF/EFF/SLUDGE COMPARISON, CHROMIUM
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
1800
1600
1400
1200
1000
800
600
400
200
0
78--80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR


10 YEAR INF/EFF/SLUDGE COMPARISON, COPPER
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
1500
1350
1200
1050
900
750
600
450
300
150
0
78--80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR


10 YEAR INF/EFF/SLUDGE COMPARISON, LEAD
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
3000
2700
2400
2100
1800
1500
1200
900
600
300
0
78--80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR


10 YEAR INF/EFF/SLUDGE COMPARISON, MERCURY
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
120
110
100
90
80
70
60
50
40
30
20
10
0
78--80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR


10 YEAR INF/EFF/SLUDGE COMPARISON, NICKEL
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
1100
1000
900
800
700
600
500
400
300
200
100
0
78--80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR


10 YEAR INF/EFF/SLUDGE COMPARISON, ZINC
INF LBS
SLUDGE LBS
EFF LBS
LBS PER DAY-ANNUAL AVG
6000
5400
4800
4200
3600
3000
2400
1800
1200
600
0
78--80
1983
1984
1985
1986
1987
1988
1989
1990
1991
YEAR

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
A & F Electroplating Inc. 106 Ashland Avenue West Orange, NJ 07052		3471 Electroplating	.002
A & L Dyers Inc. 36 Seabury Street Newark, NJ 07104		2399 Synthetic Yarns	.006
A.D.T. Co., Inc. 20 Bridewell Place Clifton, NJ 07014		3829 Protection Devices	.015
A.T.&T. Technologies, Inc Gateway Two Newark, NJ 07102		6512 Engineering and Blue Print Manufacturing	.041
Accurate Box Co., Inc. 86 Fifth Avenue Paterson, NJ 07509	P.O. Box 2247 Paterson, NJ 07509	2754 Paperboard Cartons	.022
Acme Engraving Co., Inc. 19 Delaware Avenue Passaic, NJ 07055		2793 Engraved Printing Vehicles	.003
Adco Chemical Co. 91-127 Rutherford Street Newark, NJ 07105	P.O. Box 128 Newark, NJ 07105	2899 Alkyds Varnishes, Latex Polymers	.003
Aircraft Engineering Products Two Ackerman Avenue Clifton, NJ 07011		3728 Aircraft Parts	.005
Alcaro & Alcaro Plating Co., Inc. 112 Pine Street Montclair, NJ 07042	P.O. Box 1215 Montclair, NJ 07042	3471 Electroplating	.012
Alfred Heller Heat Treating Company 5 Wellington Street Clifton, NJ 07011-0330	P.O. Box 330 Clifton, NJ 07011-0330	3471 Commercial Heat Treating	.013

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Allan Finishing Corporation 271 Mayhill Street Saddle Brook, NJ 07662		3471 Staples and Staple Machines	.143
Allen Supply & Laundry Services Inc. 971 East 24th Street Paterson, NJ 07513		7219 Laundry - Linens	.020
Alliance Chemicals, Inc. 33 Avenue P Newark, NJ 07105		2816 Organic Intermediates	.059
Ambrosia Chocolate Div. of W.R. Grace & Co. 355 North Fifth Street Newark, NJ 07107		2066 Chocolate Coatings,Cookie Drops, Confectionery Coatings	.694
American Electro Plating Co. 342 Lincoln Avenue Hawthorne, NJ 07506		3471 Electroplating	.008
American Rendering Corp. 38-42 Bay Avenue Newark, NJ 07105		2077 Tallow, Meat and Bone Meal	.008
Amtech, Inc. 845 East 25th Street Paterson, NJ 07513		3566 Gearmotors and Transmission Components	.010
Andarn Electro Service, Inc. 72 Michigan Avenue Paterson, NJ 07503		3471 Aluminum Etching and Cleaning	.003
Anheuser Busch Inc. 200 U.S. Highway No. 1 Newark, NJ 07101		2082 Beer	2.660
Anheuser Busch Inc. 468 Raymond Blvd. Newark, NJ 07105		2041 Brewers Dried Grain	.004

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Anodizing Corporation 139 Avenue L Newark, NJ 07105	P.O. Box 5309 Ironbound Station Newark, NJ 07105	3471 Anodizing of Aluminum	.012
Apollo Dyeing and Printing Co. 140 Summer Street Paterson, NJ 07509	P.O. Box 3072 Paterson, NJ 07509	2262 Cotton and Synthetics Dyeing & Finishing	.071
Aratex Services, Inc. 740 Frelinghuysen Avenue Newark, NJ 07114		7218 Laundry - Industrial Garments Mops & Towels	.049
Architectual Metals 162-176 Abington Avenue Newark, NJ 07107		3471 Electroplating	.001
Armour Dial Corporation 179 Entin Road Clifton, NJ 07014		2842 Mfgs - Ammonia	.003
Art Metal USA Inc. 300 Passaic Street Newark, NJ 07101		2541 Steel Office Furniture	.053
Ashland Chemical Co. Div. of Ashland Oil, Inc 221 Foundry Street Newark, NJ 07105	2025 Lincoln Hwy Suite 232 Edison, NJ 08817	5161 Industrial chemicals & Solvents	.003
Atlantic Casting Engineering 810 Bloomfield Avenue Clifton, NJ 07012		3369 Non-Ferrous Casting	.010
Atlantic Industries, Inc. 10 Kingsland Road Nutley, NJ 07110		2869 Dyestuffs	.558
Atlas Metal Finishing, Inc 8 Avenue B Newark, NJ 07114		3471 Electroplating	.007

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Atlas Refinery, Inc. 142 Lockwood Street Newark, NJ 07105		2843 Lubricants	.007
Auric Fidelity Chemical Corp. 470 Frelinghuysen Avenue Newark, NJ 07114		2842 Metal Cleaners and Liquid Concentrates	.005
Aurilyte Process Company 25 McWhorter Street Newark, NJ 07105		3471 Electroplating	.008
Automatic Electro Plating Corp. 185 Foundry Street Newark, NJ 07105		3471 Electroplating	.019
B-Line Trucking Inc. 67 Esther Street Newark, NJ 07105		7699 Tank Truck Washing	.007
BASF Inmont Corp. 150 Wagaraw Road Hawthorne, NJ 07506		2865 Organic Colorants	.509
Baltic Dyeing & Finishing Co. Inc. 35 Eighth Street Passaic, NJ 07055	P.O. Box 535 Passaic, NJ 07055	2269 Dyer and Finishing, Service Industry	.077
Barnert Memorial Hospital Assn. 680 Broadway Paterson, NJ 07514		8062 Hospital	.071
Batteries For Industry 247 Fulton Place Paterson, NJ 07501		3691 Industrial Batteried & Chargers	.001
Beacon Sweets Inc. 107 Main Street Newark, NJ 07105		2065 Manufacture Hard Candy	.042

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Beamar Electronics, Inc. 114 Kearney Street Paterson, New Jersey 07522		3471 Mfg. Printing Circuit boards	.001
Beecham Products Div. of Beecham, Inc. 65 Industrial South Clifton, NJ 07012		2844 Cosmetic, Over the Counter Drugs	.146
Belcrest, Inc. 55 Webro Road Clifton, NJ 07012		3471 Glass and Porcelain Etching	.001
Belzak Corp. 830 Bloomfield Avenue Clifton, NJ 07012		2865 Sodium Glucoheptonate	.040
Benjamin Moore & Co. 134 Lister Avenue Newark, NJ 07105		2581 Paints	.037
Bessemer Processing Co. 135 Haynes Avenue Newark, NJ 07114		5085 Steel Drum Reconditioning	.029
Best Plating & Polishing Co. 443 South Tenth Street Newark, NJ 07103		3471 Plating	.007
Best Provisions 144 Avon Avenue Newark, NJ 07108		2011 Frankfurters, Corned Beef, Pastrami, Roast Beef	.055
Beth Israel Hospital 70 Parker Avenue Passaic, NJ 07055		8062 Hospital	.044
Biltmore Laundry Service W.G. Linen Supply 95 East 20th Street Paterson, NJ 07513	P.O. Box 155 Elmwood Pk, 07407	7219 Commercial Laundering of Textiles	.050

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Biocraft Laboratories, Inc. 92 Route 46 Elmwood Park, NJ 07407	P.O. Box 200 Elmwood Pk, NJ 07407	2834 Mfg. of penicillin and semi synthetic penicillin drug products	.008
Biocraft Laboratories, Inc. 209 McLean Blvd Paterson, NJ 07504		2834 Mfg. Pharmaceuticals	.019
Bogue Electric Manufacturing Co. 100 Pennsylvania Avenue Paterson, NJ 07509		3621 Motors and Generators	.006
Bon-Art International Inc. 99 Evergreen Avenue Newark, NJ 0714		2542 Mfg. Store Fixtures	.001
Boris Kroll Jacquard Looms, Inc. 66 Gray Street Paterson, NJ 07524		2269 Textiles	.076
Bright Star Industries, Inc. 600 Getty Avenue Clifton, NJ 07015		3692 Flashlights & Batteries	.078
Brightboy Abrasives, Inc. 351-365 Sixth Avenue Newark, NJ 07107	P.O. Box 7060 Newark, NJ 07107	2899 Abrasive Wheels, Rods and Sheets	.025
Brioschi, Inc. 19-01 Pollitt Drive Fairlawn, NJ 07410	P.O. Box 427 Fairlawn, NJ 07410	2834 Mfg. Pharmaceuticals	.001
C. A. Lausberg & Sons Inc. 351 Clinton Street Haledon, NJ 07508		3552 Machine Shop	.001
C. Patti Electro Plating Corp. 27 First Street Newark, NJ 07107		3471 Electroplating	.002

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Calgon Corp 200 Wagaraw Rd. Hawthorne, NJ 07507		2819 Polymers, Slimicides Chemicals and Catalyst	.530
Campbell Foundry 800 Bergen Street Harrison, NJ 07029		3325 Foundry	.015
Canrad Hanovia, Inc. 100 Chestnut Street Newark, NJ 07105		3699 Ultraviolet Lamps and Equipment	.026
Capitol City Products Co. Foot of Sanford Avenue Kearny, NJ 07032	P.O. Box 1025 Kearny, NJ 07032	2077 Detergents & Edible Fat Products	1.320
Cardolite Corp. 500 Doremus Avenue Newark, N.J. 07105		2892 Capseals Liquid & Solid Friction Resins	.128
Celanese Chemical Corp. 354-375 Doremus Avenue Newark, NJ 07105		2869 Formaldehyde	.063
Central Uniform Services, Inc. 137 Ralph Street Belleville, NJ 07109		3582 Laundry Service	.033
Certified Metals Company 175 Entin Road Clifton, NJ 07014		3911 Gold Wedding Rings	.009
Champion Dyeing & Finishing Co., Inc. 192 Putnam Street Paterson, NJ 07524	P.O. Box 397 Paterson, NJ 07524	2262 Dye Acetates, Nylons and Polycottons	.065
Champlain Industries, Inc Yeast Products Div. 25 Styertowne Road Clifton, New Jersey 07012		2099 Mfg. Yeast Products	.064

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POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Charles Beseler Company 219 South 18th Street East Orange, NJ 07018		3861 Audio-Visual Photographic Equipment	.021
Chase Chemical Company 280 Chestnut Street Newark, NJ 07105		2834 Vitamin Tablets and Gelatin Capsules	.091
Chelsea Laboratories, Inc. 481 Edward H. Ross Drive Elmwood Park, NJ 07407	P.O. Box 213 Elmwood Park, NJ 07407	2834 Mfg. Pharmaceuticals	.001
Chem-Fleur Inc. 200 Pulaski Street Newark, NJ 07105	189 Clifford Street Newark, NJ 07105	2818 Ergenol & Cyclohexyl Acetate	.048
Chem-Fleur Urban Renewal Corp. 928-964 Doremus Avenue Newark, NJ 07105		2869 Fragrance Chemicals	.010
Chemical Leaman Tank Lines Inc. 10 Morton Street East Rutherford, NJ 07070	P.O. Box 196 E.Rutherford, NJ 07070	4213 Tank Line Service	.007
Chemical Leaman Tank Lines Inc. 80 Doremus Avenue Newark, NJ 07105		7699 Tank Line Service	.006
Chemos Corp. 225-235 Emmet Street Newark, NJ 07114		2841 Textile & Leather Finishing Compounds	.036
ChinAm Inc. Morris Paperboard Div. 177 Third Avenue Paterson, NJ 07514		2645 Mfg. Cardboard	.061
Chrome Art Inc. 23 George Street Newark, NJ		3471 Electroplating	.010

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Circuit Manufacturing Corporation 9 St. Francis Street Newark, NJ 07105		3679 Mfg. Printed circuit boards	.014
Clara Maass Hospital One Franklin Avenue Belleville, NJ 07109		8062 Hospital	.160
Clayton/Corrham Corp. Corner Hamilton & Kingsland Ave Harrison, NJ 07029		2631 Mfg. Cardboard	.018
Clinton Milk Company 353 Morris Avenue Newark, NJ 07103		2026 Milk, Cream & Fruit Drinks	.062
Coca Cola Bottling Co.of NY 470 Nineteenth Avenue Paterson, NJ 07504	20 Horseneck Lane Greenwick,CT 06839	2086 Carbonated Soft Drinks	.114
Colloids, Inc. 394 Frelinghuysen Avenue Newark, NJ 07114		2869 Deformer Chemicals	.005
Columbia Textile Service, Inc. 28 Ryle Avenue Paterson, NJ 07509		2261 Dyed Material	1.221
Columbus Hospital 490 North 13th Street Newark, NJ 07107		8062 Hospital	.087
Comet Chemical Co. Div. of Chemos Corp. 410 Adams Street Newark, NJ 07114		2851 Lacquer,Thinners & Waterbased Leather, Finishers	.001
Commercial Products Co., Inc. 117 Ethel Avenue Hawthorne, NJ 07506		2843 Mfg. Textile Stiffeners & Softeners	.005

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POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Como Textile Prints, Inc. 191 East Railway Avenue Paterson, NJ 07503		2261 Printing on Natural and Synthetic Fibers	.193
Consolidated Laundries 12 Clifton Street Newark, NJ 07114		7213 Laundry	.069
Consolidated Rail Corp. Conrail 91 Bay Avenue Cor. Wheeler Pt. Road Newark, NJ 07105		7699 Engine House	.013
Continental Can Company 217 Brook Avenue Passaic, NJ 07055		3411 Metal Containers	.054
Continental Chemical Corp. 270 Clifton Blvd. Clifton, NJ 07015		2814 Detergents & Emulsifiers	.077
Cook & Dunn Paint Corp. 109 St. Francis Street Newark, NJ 07105	167 Kossuth Street Newark, NJ 07101	2851 Paints & Varnishes	.001
Coral Dyeing & Finishing Company 585 East 31st Street Paterson, NJ 07513	P.O. Box 2067 Paterson, NJ 07509	2261 Dyed Greige Goods	.204
Courtaulds C.P.D., Inc. 290 Ferry Street Newark, NJ 07105		3079 Plastic Sheet & Film	.221
Craft Textile Printing Co., Inc. 44 Beech Street Paterson, NJ 07509		2261 Printing on Textiles	.510
Crompton & Knowles, Corp. 52 Amsterdam Street Newark, NJ 07105		2865 Dyes	.193

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Cummins Metro Power Routes 1 & 22 Newark, NJ 07114		7538 Repair & Service of Diesel Engines	.008
Custom Optics 216 Midland Avenue Saddle Brook, NJ 07662		3851 Eye Glass Lenses	.007
Daytona Finishing Corp. 59 Wall Street Newark, NJ 07105		3471 Cold Rolled Steel	.009
Diamond Hard Chromium Co., Inc. 463 New Jersey Railroad Ave Newark, NJ 07105		3471 Hard Chrome Plating	.001
Dobbs International Services Route 70 - 156 Port Street Newark, NJ 07114		5812 Food - Airline Meals	.016
Double D Plating Co., Inc. 52 Garfield Avenue Paterson, NJ 07522		3471 Electroplating	.007
Drew Chemical Corporation 1106 Harrison Avenue Kearny, NJ 07029		2899 Industrial Type Water Treatment Products	.094
Driver-Harris Alloys, Inc. 308 Middlesex Street Harrison, NJ 07029		3356 Wire & Nickel Strips	.404
Durite Circuits Corp. 141 River Road Nutley, NJ 07110		3679 Printed Circuit Boards	.003
Dyetex Corp. Two Canal Street Passaic, NJ 07055		2257 Fabric Dyers	.638

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POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
E & W Piece Dye Works, Inc. 900 Passaic Avenue East Newark, NJ 07029		2262 Dye Casket Lining	.021
E. C. Electroplating, Inc. 125 Clark Street Garfield, NJ 07026		3471 Chrome and Copper Electroplating	.013
Eagle Affiliates, Inc. 505 Manor Avenue Harrison, NJ 07029		3079 Plastic Housewares	.026
East Orange General Hospital 300 Central Avenue East Orange, NJ 07019		8062 Hospital	.044
Eastern Vitamins 1 Carol Street Clifton, NJ 07014		2824 Vitamins Tablets	.001
Eastman Kodak Co. 16-31 State Hwy #208 Fairlawn, NJ 07410		7395 Processed Color Slides and Movies	.083
Edison Battery Products 75 Belmont Avenue Belleville, NJ 07109		3692 Primary Batteries	.096
Edmar Creations Co., Inc. 35 Mohegan Street Clifton, NJ 07013		3999 Casting, Plating, Welding & Stamping	.022
Ekco/Glaco Inc. One Industrial Plaza Paterson, NJ 07503	1949 N. Cicero Ave. Chicago IL. 60639	7699 Clean & coat baking plant	.025
Elan Chemical Company 268 Doremus Avenue Newark, NJ 07105		2899 Flavor & Fragrance Chemicals	.084

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Electron Technology 626 Schuyler Avenue Kearny, NJ 07032		3471 Electroplating	.001
Electronic Circuit Corp. 520 Victor Street Saddle Brook, NJ 07662		3679 Printed Circuit Board	.002
Electronic Processing Corp. 17 Central Avenue Hawthorne, NJ 07506		3471 Electroplating	.006
Empire Overall Dry Cleaners, Inc. 18 Stephanic Avenue Elmwood Park, NJ 07407	P.O. Box 432 Elmwood Pk, NJ 07407	7218 Laundry - Uniforms	.025
Engelhard Corporation 1 West Central Avenue East Newark, NJ 07029		3952 Specialty Chemical,Refractory Coating Formulation Metals	.083
Engelhard Ind. Div. of Engelhard Minerals and Chemical Corp 429 Delancy Street Newark, NJ 07105		3339 Precious Metals, Catalyst & Chemicals	.657
Essex Chemical Corp 330 Doremus Avenue Newark, NJ 07105		2819 Inorganic Acids and Salts	.041
Essex County Geriatrics Center 520 Belleville Avenue Belleville, NJ 07109		8062 Hospital	.120
Ever Ready Label Corp 357 Courtlandt Street Belleville, NJ 07109		2751 Aluminum nameplates, pressure sensitive labels	.014
Excel IV, Inc. 580 Brighton Road Clifton NJ 07012	c/o Missbrenner 211 Mt Pleasant Ave Clif on,NJ 07013	2753 Engraved Copper Rollers	.004

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Express Container Corp. 105 Avenue L Newark, NJ 07105		2653 Corrugated Boxes	.026
Faber-Castell Corp. 41 Dickerson Street Newark, NJ 07107		3069 Erasers, Rubberbands, India Ink	.051
Fabricolor Mfg. Corp. 24 1/2 Van Houten Street Paterson, NJ 07509		2865 Dyes	.096
Fairmount Chemical Co. 117 Blanchard Street Newark, NJ 07105		2865 Dydrazine & Diazo Chemicals for Blueprints	.099
Falstrom Company Falstrom Court Passaic, NJ 07055	P.O. Box 118 Passaic, NJ 07055	3444 Cabinets, Panels, Covers, Chassis & Frames	.021
Farmland Dairies 520 Main Street Wallington, NJ 07057		2026 Processed Milk and Milk Products	.187
Fine Organics Corporation 205 Main Street Lodi, NJ 07644-0995	P.O. Box 687 Lodi, NJ 07644-0995	2833 Industrial Cleaning Compounds	.008
Fischer Scientific Company One Reagent Lane Fairlawn, NJ 07410		2869 Chemical Processing	.180
Frederick Gumm Chemical Co., Inc. 538 Forest Street Kearny, NJ 07032	1280 Wall St. West Lyndhurst, NJ 07071	2899 Blending of Metal Finishing Chemical	.005
Fritzsche Dodge & Olcott A unit of BASF K&F Corp. 85 Third Street Clifton, NJ 07015		2099 Flavors & Spices	.449

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
G & H Metal Finishers Inc. 282 Dakota Street Paterson, NJ 07503		3471 Decorative Chrome Parts	.007
GSF Energy, Inc. 1501 Harrison Avenue Kearny, NJ 07032	Raritan Plaza I Raritan Center Edison, NJ 08837	4925 Mfg. Methane Gas	.001
Galaxie Chemicals Corp. 26 Piercy Street Paterson, NJ 07524	P.O. Box 443 River Station Paterson, NJ 07524	2865 Organic Azo Pigments	.075
Garden State Paper Co., Inc. 950 River Drive Garfield, NJ 07026		2621 Newsprint Manufacture	8.015
General Color Company 24 Avenue B Newark, NJ 07114		2816 Insoluble Organic Pigments	.045
General Metal & Black Finishers 3 Alva Street Bloomfield, NJ 07003		3471 Electroplating	.004
Givaudan Corp. 125 Delawanna Avenue Clifton, NJ 07014		2833 Organic Chemicals	1.240
Globe Product Co., Inc. 750 Bloomfield Avenue Clifton, NJ 07015		2033 Jellies, Jams & Pie Filling	.139
Gloube Manufacturing Company 300 First Street Harrison, NJ 07029	P.O. Box 292 Harrison, NJ 07029	3498 Wire Rings	.004
Gotham Graphics 120 Park Avenue Lyndhurst, NJ 07071	P.O. Box 157 Lyndhurst, NJ 07071	2793 Engraving & Lithographic Plates	.006

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Graphtex, Inc. 1 Dell Glen Avenue Lodi, NJ 07644	P.O. Box 816 Lodi, NJ 07644	3471 Electroplater	.002
Graver Co. - Graver Chem. Div. 72 Lockwood Street Newark, NJ 07105	2720 US Highway 22 Union, NJ 07083	2899 Powered Ion Exchange Resins & Precoats	.089
Great American Veal, Inc. 50 Avenue L Newark, NJ 07105		2011 Meat Processors	.024
H. Kohnstamm & Co., Inc Bergen & Harrison Ave Kearny, NJ 07032	P.O. Box 13 Harrison, NJ 07029	2087 Flavors	.017
H. K. Metal Craft Mfg. Corp. 35 Industrial Road Lodi, NJ 07644		3429 Gaskets & Washers	.005
H. Reisman Corporation 377 Crane Street Orange, NJ 07050		2834 Pharmaceuticals	.013
H & S Chemical Co., Inc. 54-74 Van Dyke Street Wallington, NJ 07057	P.O. Box 3107 Wallington, NJ 07507	2865 Pigment intermediates, iron hydrate pigments & dispersion stearates	.025
Hackensack Meadowlands Development Commission Harrison Ave-Landfill Site 1A Kearny, NJ 07032	1 Dekorte Park Plaza Lyndhurst, NJ 07071	4953 Leachate Discharge	.004
Harrison Baking Company 840 Jersey Street Harrison, NJ 07029		2051 Bread & Bread Products	.072
Hartz Mountain Corporation 192 Bloomfield Avenue Bloomfield, NJ 07003		2047 Pet Foods, carpet & clothing products	.013

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Henkel Corp., Process Chemicals First & Essex Streets Harrison, NJ 07029		2833 Mfg. Specialty Chemicals	.173
Heubach, Inc. 256 Vanderpool Street Newark, NJ 07114		2815 Aqueous manufacture of color pigments	.735
Highland Electro Plating & Polishing 63 Dayton Street Paterson, NJ 07509		3471 Plating and Polishing	.003
Hilton Davis Company 120 Lister Avenue Newark, NJ 07105		2815 Mfg. Pigments & Colors	.289
Hoboken Paints Inc. 40 Industrial Road Lodi, NJ 07644	P.O. Box 420 Lodi, NJ 07644-0420	2851 Latex Paint	.011
Hoffmann La Roche 340 Kingsland Road Nutley, NJ 07110		2834 Pharmaceuticals & Bulk Vitamins	4.304
Honig Chemical & Processing Co. 414 Wilson Avenue Newark, NJ 07105		2818 Sodium Acetate	.136
Hospital Center of Orange 188 South Essex Avenue Orange, NJ 07051		8062 Hospital	.082
Humko Chemical Div. Witco Chem. 652 Doremus Avenue Newark, NJ	P.O. Box 818 Newark, NJ 07105	2899 Fatty Acids & Derivatives	.534
Hummel Lanolin Corp. 185 Foundry Street Newark, NJ 07105		2299 Lanolin	.012

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Hy-Grade Electroplating 35 Fourth Street Newark, NJ 07107		3471 Electroplating	.001
ITT Avionics Division 100 Kingsland Road Clifton, NJ 07014		3661 Electronic Communication System	.238
ITT Avoinics Division 390-500 Washington Avenue Nutley, NJ 07110		3670 Electronic Communications System R&D	.048
ITT Defense Communications Div., Inc. 492 River Road Nutley, NJ 07110		3670 Electronic Communications System R&D System R&D	.039
Ideal Plating & Polishing 681 Main Street Belleville, NJ 07109	P.O. Box 100 Belleville, NJ 07109	3471 Electroplating	.027
Imperial Electro Plating Div. F.E.R. Plating 52 Park Avenue Lyndhurst, NJ 07071		3471 Electroplating	.011
Independence Plating Corp. 107 Alabama Avenue Paterson, NJ 07509		3471 Electroplating	.065
Indol Color Div-Magruder 1029 Newark Avenue Newark, NJ 07114	1029 Newark Ave. Elizabeth, NJ 07201	2865 Plastic-Dry Pigments & Resin PulverizedDrums	.092
Industrial Hard Chromium Co., Inc. 7 Rome Street Newark, NJ 07101		3471 Electroplating	.004
International Veiling Corp. 244 Hazel Street Clifton, NJ 07012	P.O. Box 108 Clifton, NJ 07011	2213 Dyeing and Finishing of Laces & Nets	.080

INDUSTRIAL INVENTORY

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Interstate Dyeing & Finishing Co. 35 Eighth Street Passaic, NJ 07055	P.O. Box 177 Passaic, NJ 07055	2261 Textile Piece Goods	.048
J.B. Hirsch Company Div. of K & K Design Studio, Inc. 111 Rome Street Newark, NJ 07105		3645 Mfg. Lamps	.003
J. L. Prescott Company 37 Eighth Street Passaic, NJ 07055		2841 Cleaning Products, Laundry & Dishwashing	.075
John L. Armitage & Co. 245 Thomas Street Newark, NJ 07114	65 Springfield Ave. Springfield NJ 07081	7391 Research & Development Lab	.001
Kalama Chemicals, Inc. 290 River Drive Garfield, NJ 07026		2865 Organic Chemicals	.450
Kaysam Corp. of America 27 Kentucky Avenue Paterson, NJ 07503		2499 Footwear	.016
Kennedy Memorial Hospitals at Saddle Brook 300 Market Street Saddle Brook, NJ 07662		8062 Hospital	.104
Keystone Automotive Industries, Inc. 24 Legal Street Newark, NJ 07114		3471 Electroplating of Automobile Bumpers	.007
Kikuchi Color & Chemical Corp. 19 East Fifth Street Paterson, NJ 07524		2816 Chrome Yellow Pigments	.044
Kingsland Drum & Barrel 308 Miller Street Newark, NJ 07114		5085 Recondition Steel Drums	.049

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Kleer Kast Div. of PMC, Inc 450 Schuyler Ave. Kearny, NJ 07032		3079 Fabricate tool handles, fabricate cellulose acetate rod	.006
Kohinoor Electro Plating Corp. 11 Paterson Avenue Wallington, NJ 07057		3471 Electroplating	.009
Kohl & Madden, Inc. 130 Gregg Street Lodi, NJ 07644		2893 Ink Printing	.021
Kohler Delicatessan Meats Inc. 57 Napolean Street Newark, NJ 07524		2013 Provisions - Cold Cuts	.033
Kramer Chemicals Inc. 109 Fifth Avneue Paterson		5161 Blending of Caustic & Chemcial Distribution	.023
Krementz & Co. 375 McCarter Hwy. Newark, NJ 07105		3911 Mfg.-Gold Rings	.001
Launder Leasing Services Div. Man. Laund. 58 Gould Avenue Newark, NJ 07107		7219 Laundry - Linens	.075
Lea & Perrins, Inc. 15-01 Pollitt Drive Fairlawn, NJ 07410		2035 Meat Sauces	.005
Leader Dyeing & Finishing Co. 94 Madison Avenue Paterson, NJ 07509	P.O. Box 2093 Paterson, NJ 07509	2261 Textile Processing	.315
Liberty Optical Mfg., Inc. 380 Verona Avenue Newark, NJ 07104		3851 Optical Frames	.004

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POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Liberty Provisions, Inc. 200 Piaget Avenue Clifton, NJ 07011		2013 Provisions - Cold Cuts	.061
Linden Packing Company, Inc. 324 Astor Street Newark, NJ 07114		2011 Meat Products	.138
Liquid Cargo, Inc. 470 Schuyler Avenue Kearny, NJ 07032		7699 Wash Tanks & Trucks	.001
Little Falls Alloys 171-191 Caldwell Avenue Paterson, NJ 07509		3356 Metal Rolling	.007
Loisel Manufacturing Corp. 168 Eighth Avenue Paterson, NJ 07514		3471 Lamp Components and Accessories	.005
Lummus Crest Inc. 1515 Broad Street Bloomfield, NJ 07003		8911 Engineering pilot plant work	.087
Magruder Color Company One Virginia Street Newark, NJ 07114		2865 Organic Pigments	.440
Manco Plating, Inc. 390 Park Avenue Newark, NJ 07107		3471 Electroplating	.003
Mann Kraft Corp. 1000 U.S. Highway #1 Newark, NJ 07114		2649 Corrugated Cartons	.017
Manner Textile Processing Corporation 293 Morrissee Avenue Haledon, NJ 07508		2261 Textile Piece Goods	.122

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Mara Polishing & Plating Co. 105-107 Peddie Street Newark, NJ 07108		3471 Electroplating	.003
Marcal Paper Mills, Inc. One Market Street Elmwood Park, NJ 07407		2611 Household Paper Products	3.004
Material Processing Technology, Inc. 95-111 Prince Street Paterson, NJ 07501		2834 Mfg. Pharmaceuticals	.004
McKesson Enviorsystems Co. 600 Doremus Avenue Newark, NJ 07105		7399 Solvent Recovery	.059
Medin Metal Technology 125 South Street Passaic, NJ 07055	111 Lester Street Wallington, NJ 07052	3471 Anodized Aluminum Parts	.004
Metal Parts Processing Co., Inc. 165 Delancy Street Newark, NJ 07105		3559 Deburring Service	.003
Miles Labs, Inc. 193 Arlington Avenue Clifton, NJ 07015		2818 Enzymes	.456
Miller & Sons Inc. 24 Belleville Avenue Belleville, NJ 07109		3471 Anodizing, Electroplating, Metal Finishing	.025
Minwax Company, Inc. 16 Cherry Street Clifton, NJ 07014	102 Chestnut Ridge Montvale, NJ 07645	2842 Concrete Patch, Patching Plasters	.001
Missbrenner Prints Inc. 211 Mt. Prospect Avenue Clifton, NJ 07013	P.O. Box 1587 Clifton, NJ 07013	2261 Textile Printing	.588

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Mobay Chemical Corp. 550 Belmont Avenue Haledon, NJ 07508	P.O. Box 419 Hawthorne, NJ 07507	2815 Pigment Mfg.	1.306
Mona Industires, Inc. 76 East 24th Street Paterson, NJ 07524		2843 Surfactants and Specialty Chemicals	.224
Montclair Community Hospital 120 Harrison Avenue Montclair, NJ 07042		8062 Hospital	.015
Morton Thiokol, Inc. Morton Chemical Division 335 McLean Blvd. Paterson, NJ 07504		2899 Dyestuffs	.239
Mother's Food Products W/O Subsidiary of H.H.R. Food Industries Inc. 80 Avenue K Newark, NJ 07105		2032 Borscht, Gefilte Fish	.008
Mountainside Hospital Bay & Highland Avenues Glen Ridge, NJ 07042		8062 Hospital	.116
Moyer Plating Corp. 175 Christie Street Newark, NJ 07101		3471 Electroplating	.007
NJ Transit-Penn Station Raymond Plaza West Newark, NJ 07102		4013 Railroad Station	.083
NSC Plating & Polishing Co., Inc. 242 South 12th Street Newark, NJ 07109		3471 Polishing & Plating	.011
Nabisco, Inc. 2111 State Hwy #208 & McBride Ave Fairlawn, NJ 07410	Corp Engineering Dept. 500 Laidex Plaza Parsippany, NJ 07054	2052 Cookies and Crackers	.110

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Napp Chemicals, Inc. 199 Main Street Lodi, NJ 07644	P.O. Box 4900 Lodi, NJ 07644	2833 Pharmaceuticals & Fine Chemicals	.057
National Standard Company 716 Clifton Avenue Clifton, NJ 07015		3316 High Carbon Strip & Wire	.135
New Jersey Galvanizing & Tinning Works 139 Haynes Avenue Newark, NJ 07114		3479 Steel Galvanizing	.015
New Jersey Tanning Co., Inc. 410 Frelinghuysen Avenue Newark, NJ 07114		3111 Tanning of Cattlehides	.026
Newark Beth Israel Medical Center 201 Lyons Avenue Newark, NJ 07112		8062 Hospital	.141
Newark Boxboard Company 17 Blanchard Street Newark, NJ 07105		2631 Paperboard	.170
Newark Morning Ledger Co. Star Ledger Plaza Newark, NJ 07101		2711 Newspaper	.084
North Jersey Skein Dyeing Co., Inc. 152 Putnam Street Paterson, NJ 07524		2269 Dyed Yarns	.028
Northern Feather, Inc. 31-39 Backus Street Newark, NJ 07105	26-30 Papetti Plaza Elizabeth, NJ 07206	2392 Pillows & Comforters	.009
Nu-Tronic Circuit Co., Inc. 250 East 17th Street Paterson, NJ 07524		3679 Printed Circuit Boards	.015

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
O.M.I. International Corp. 75 River Road Nutley, NJ 07110		2889 Metal Plating Salts, Reclaim Precious Metals	.039
Ocean Leather Corporation 42 Garden Street Newark, NJ 07105		3111 Tanning & Finishing of Leather	.296
Okonite Company 959 Market Street Paterson, NJ 07509		3351 Insulated Wire and Cables	.141
Ondecker Metal Finishing, Inc. 178-182 Emmet Street Newark, NJ 07105		3471 Electroplating	.003
Orbis Products Corporation 55 Virginia Avenue Newark, NJ 07114		2865 Organic Chemicals	.014
Orient Chemical Corp. 121 Tyler Street Newark, NJ 07114		2269 Dyestuffs	.007
Orval Kent Food Company, Inc. 164 Madison St. East Rutherford, NJ 07073		2098 Salad & Dressings	.282
P & K Pole Products 84 Foundry Street Newark, NJ 07105		2499 Aluminum Poles	.010
P.N.C., Inc. 115 East Centre Street Nutley, NJ 07110		3679 Printed Circuits	.026
Pan-Graphics, Inc. 45 Hartmann Avenue Garfield, NJ 07026		2753 Photo Engraving	.012

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Pantasote Co., of N.Y. 26 Jefferson Street Passaic, NJ 07055		2821 P.V.C. Flexible Film & P.V.C. Trays	.011
Paragon Dyeing & Finishing Co., Inc. 69-77 Chadwick Street Paterson, NJ 07509	P.O. Box 2136 Paterson, NJ 07509	2262 Textile Fabrics	.031
Passaic Colors & Chemicals Company 28-36 Paterson Street Paterson, NJ 07501		2861 Dyestuffs	.026
Paterson Bleachery & Chemicals 207 East 15th Street Paterson, NJ 07524		2299 Bleach and Dye Raw Stock	.034
Paterson Canning Company 35 Getty Avenue Paterson, NJ 07503		2086 Canned Soda	.011
Paul's Dyeing Company One Main Street East Orange, NJ 07018	626 Orange St. Newark, NJ 07107	2258 Dyed Goods	.024
Peerless Tube Co., Inc. 58-76 Locust Avenue Bloomfield, NJ 07003		3496 Mfg. Metal Tubes & Cans	.094
Penco of Lyndhurst, Inc. 530-540 New York Avenue Lyndhurst, NJ 07071		2833 Analgesic compounds, botanical food extracts	.126
Penick Corp. 158 Mt. Olivet Street Newark, NJ 07114		2833 Pharmaceuticals and Stearates	.288
Perennial Printing Corporation Three East 26th Street Paterson, NJ 07509	P.O. Box 2285 Paterson, NJ 07509	2261 Textile Printing	.159

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Phillips Mfg. Company 190 Emmet Street Newark, NJ 07101		3461 Buttons and Badges	.003
Plating City Corp. 347 Ferry Street Newark, NJ 07105		3471 Electroplating	.003
Polaris Plating Inc. 200 Keen Street Paterson, NJ 07524		3471 Plating of Hardware	.009
Polarome Manufacturing Co., Inc. 361 South Street Newark, NJ 07105	22 Ericsson Place New York, NY 10013	2087 Flavor and Fragrance Chemicals	.029
Polychrome Chemicals Corp Cellomer Division 46 Albert Avenue Newark, NJ 07105		2821 Alkyd Resins & Photo Sensitive Chemicals	.029
Pope Chemical Corporation 33 Sixth Avenue Paterson, NJ 07524-0304		2893 Pigments, Vehicles and Pigments Dispersions	.375
Poughkeepsie Finishing Corporation 48 East 5th St. Paterson, NJ 07524	P.O. Box 2158 Paterson, NJ 07509	2263 Textile Fabrics from Greige State	.145
Power Conversion, Inc. 495 Boulevard Elmwood Park, NJ 07407		3692 Mfg. Lithium Batteries	.014
PowerTech, Inc. 0-02 Fairlawn Avenue Fairlawn, NJ 07410		3674 Power Transistors	.006
Precision Products Company Two Llewellyn Avenue Hawthorne, NJ 07506		3728 Printed Circuit Boards, Copper Clad Laminates	.010

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Precision Prototypes Inc. 255 Midland Avenue Garfield, NJ 07026		3471 Printed Circuit Boards	.007
Presto Lock, Inc. 100 Outwater Lane Garfield, NJ 07026		3429 Luggage Hardware	.086
Public Service Electric & Gas Company South 4th St & Passaic River Harrison, NJ 07029		4925 Manufacture Utility Gas	.043
Quality Metal Finishing Corp. 80 George Street Paterson, NJ 07503		3471 Plating	.004
R.H.E., Inc. 53 Rome Street Newark, NJ 07105		2371 Fur Felt Headwear	.003
Rainbow Dye & Finishing Inc. 20-21 Wagaraw Road Fairlawn, NJ 07410		2261 Dye and Finish Piece Goods	.063
Ranno Electro Plating, Corp. 280 Midland Avenue Saddle Brook, NJ 07662		3471 Plating of Metal	.056
Renco Finishing Corp. 20-21 Wagaraw Road Fairlawn, NJ 07410		2261 Fabric Dyeing	.073
Rennie Mfg. & Finishing Corp. 12 Rennie Place Lodi, NJ 07644		3471 Electroplating	.005
Rent All Processors 265 Cortlandt Street Belleville, NJ 07109	P.O. Box 38 Belleville, NJ 07109	7213 Laundry Service	.114

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Reyom Corp. 173 Christie Street Newark, NJ 07105		3471 Electroplating	.003
Riverside Coat & Linen Supply Co. 179 Lafayette Street Paterson, NJ 07501		7211 Laundry - Linens	.081
Roche Diagnostics One Franklin Avenue Belleville, NJ 07109		2831 Diagnostic Kits	.048
Roman Adhesives, Inc. 5 Lawrence Street Bloomfield, NJ 07003		2891 Ready Mix Wallpaper Adhesives	.015
Ronson Metals Corp. 45-65 Manufacturers Place Newark, NJ		3356 Rare Earth Metals and Alloy Products	.015
S. Neumann Leather Corp. 46 Johnson Street Newark, NJ 07105		3111 Tanning & Finishing of Leather	.015
S.M.S. Modern Creative, Inc. 35 Market Street Elmwood Park, NJ 07407		3231 Decorate Containers	.012
SCA Chemical Services Div. Chemical Waste Management 100 Lister Avenue Newark, NJ 07105		4953 Commercial Waste Treatment Facility	.049
SICPA New Jersey, Inc. 2 Bridewell Place Clifton, NJ 07014-1029	P.O. Box 1029 Clifton, NJ 07014	2893 Printing Inks	.012
Sandoz Chemical Corp. Fairlawn Ave & Third St. Fairlawn, NJ 07410		2815 Specialty Chemicals	.044

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Sandvik, Inc. 1702 Nevins Road Fairlawn, NJ 07410		3545 Cutting Tools & Holders	.021
Scher Chemicals Inc. Industrial W.&Styertowne Rd Clifton, NJ 07012	P.O. Box 1236 Clifton, NJ 07012	2869 Detergents, Industrial Chemical Specialties	.026
Schering Corp. Div. of Schering-Plough Corp. 60 Orange Street Bloomfield, NJ 07003		2834 Pharmaceuticals	.277
Schiffenhaus Packaging Corp. 2013 McCarter Highway Newark, NJ 07104		2754 Corrugated Containers and Displays	.024
Sealtronics, Inc. 320 Colfax Avenue Clifton, NJ 07013		3662 Hermetic Seals	.042
Seton Leather Company 349 Oraton Street Newark, NJ 07104	849 Broadway Newark, NJ 07104	3111 Leather Tanner	1.039
Shamrock Chemical Corp. Foot of Pacific Street Newark, NJ 07114		2399 Additions for Lubricating Powders	.004
Shofar Kosher Foods, Inc. 219 Emmet St. Newark, NJ 07114	P.O. Box 2159 Newark, NJ 07114	2013 Kosher Provison Mfg.	.019
Shulton, Inc. 697 Rt. #46 Clifton, NJ 07015	P.O. Box 1809 Clifton, NJ 07015	2844 After Shave Lotion, Stick Deodorant	.072
Signature Cloth Company, Inc. 200 Clifton Blvd Clifton, NJ 07015	P.O. Box 1445 Clifton, NJ 07015	2262 Textile Finishing	.114

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Sky Chefs Brewster Road - Bldg. #95 Newark, NJ 07114		5812 Food - Airline Meals	.013
Spectrachem Corp. 200 Sheridan Avenue Paterson, NJ 07502	P.O. Box 308 Paterson, NJ 07511	2843 Textile Prinitng Inks	.065
Spencer Kellogg Products NL Chemicals/NL Industries, Inc. 400 Doremus Avenue Newark, New Jersey 07105		2820 Alkyd-Poyester Rosins	.077
St. James Hospital 155 Jefferson Street Newark, NJ 07105		8062 Hospital	.044
St. Joseph's Hospital & Medical Center 703 Main Street Paterson, NJ 07503		8062 Hospital	.180
St. Mary's Hospital 125 South Center Street Orange, NJ 07050		8062 Hospital	
St. Mary's Hospital 211 Pennington Street Passaic, NJ 07055		8062 Hospital	.066
St. Michaels Hospital & Medical Center 208 Dr. Martin Luther King Blvd. Newark, NJ 07102		8062 Hospital	.045
Stacy Industries, Inc. 38 Passaic Street Wood-Ridge, NJ 07075	P.O. Box 395 Wood-Ridge, NJ 07075	2295 Non Woven - Coated Fabrics	.047
Standard Tallow Corp. 1215 Harrison Avenue Kearny, NJ 07032		2077 Tallow, Meat & Bone Meal	.061

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Stirrup Metal Products Corp. 215 Emmet Street Newark, NJ 07101		3479 Air Valves	.001
Suffern Plating Corp. 210 Garibaldi Avenue Lodi, NJ 07644		3471 Electroplating	.044
Sun Chemical Corporation 185 Foundry Street Newark, NJ 07105		2865 Organic Pigments	.043
Sun Metal Finishing Inc. 54 Bleeker Street Paterson, NJ 07524		3471 Zinc Plating	.029
Sun Plastics Co., Inc. 900 Passaic Avenue East Newark, NJ 07029		3652 Phonograph Records	.024
Sunbrite Dye Co., Inc. 35 Eighth Street Passaic, NJ 07055	P.O. Box 1076 Passaic, NJ 07055	2269 Processed Synthetic Piece Goods	.092
Superior Dyed Furs, LTD 100 Dayton Avenue Passaic, NJ 07055		2371 Fur Dyeing	.013
Supreme Heat Treating Inc. 8-12 Clifton Avenue Newark, New Jersey 07103		3471 Harding, Tempering Black Oxidizing of Steel	.014
Supreme Santell Linen Supply, Inc. 124 Delancy Street Newark, NJ 07105		7213 Laundry - Linen	.037
Swepco Tube Corp. One Clifton Blvd. Clifton, NJ 07015		3356 Stainless Steel Pipe, fittings & tubing	.052

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
T & E Industries, Inc. 215 Watching Avenue Orange, New Jersey 07050		3674 Electronic terminals & connectors	.017
T. A. Farrell Plating Company 39 Atlantic Street Garfield, NJ 07026		3471 Electroplating	.007
TRB Electro Corporation 6 Morris Street Paterson, NJ 07501	P.O. Box 840 Park Station Paterson NJ 07501	3471 Electroplating	.001
Technical Plastic Extruders Div. of PMC 574 Ferry Street Newark, NJ 07105		3079 PVC Plastic - Sheets and Rolls	.053
Textile Piece Dye Co., Inc. 451 Fifth Avenue Paterson, NJ 07509	P.O. Box 2246 Paterson, NJ 07509	2261 Dyer of Textiles	.211
The Dial Corp. Two Wood Street Paterson, NJ 07524		2841 Detergents & Bleaches	.125
The General Hospital at Passaic 350 Boulevard Passaic, NJ 07055		8062 Hospital	.117
The Narrotex Corp. 245 Fourth Street Passaic, NJ 07055		2269 Narrow Fabric Textile Dyers	.010
The Okonite Company, Inc. Jefferson & Canal Streets Passaic, NJ 07055		3357 Insulated Wire & Cable	.021
The Sherwin-Williams Co. Brown Street & Lister Ave Newark, NJ 07105	P.O. Box 717 Newark, NJ 07105	2851 Consumer & Industrial Coatings & Thinners	.043

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
The Van Iderstine Company Div. of Darling Delaware Co., Inc. 825 Wilson Avenue Newark, NJ 07105		2077 Tallow & Meat Meal	.109
Thomas Henshall Silk Finishing 50 West Peel Street Paterson, NJ 07524		2261 Textile Finishing	.002
Thorn Inc. T/A Continental Piece Dyeing & Finishing Co., Inc. 15-19 First Avenue Paterson, NJ 07524		2299 Textile Piece Goods	.104
Timco Inc. 666 South 16th Street Newark, NJ 07103		3479 Plating	.003
Trio Dyeing & Finishing Co., Inc. 440-450 East 22nd Street Paterson, NJ 07509	P.O. Box 2412 Paterson, NJ 07509	2261 Dye & Finish Textile Goods	.316
Trio Plating Co., Inc. 61 Willett Street Passaic, NJ 07055		3471 Copper & Chrome Plating	.002
Troy Chemical Company One Avenue L Newark, NJ 07105		2879 Chemicals for Paint Industry	.024
Union Camp Corp. 800 State Hwy #3 Clifton, NJ 07012	P.O. Box 555C Clifton NJ 07012	2605 Custom Packaging, Folding Cartons Lables	.007
United Hospitals Medical Center 15 South Ninth Street Newark, NJ 07107		8062 Hospital	.047
Universal Mfg Corp. 29 East Sixth Street Paterson, NJ 07524	P.O. Box 3028 Paterson, NJ 07509	3351 Fluorescent Ballasts	.100

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

NJPDES NO.: 0021016

Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
University of Medicine & Denistry of NJ 100 Bergen Street Newark, NJ 07103		8062 Hospital	.606
Van Dyk, Div. of Mallinckrodt, Inc. Main & Williams Streets Belleville, NJ 07109		2844 Perfume, Chemicals, Compound Specialites	.146
Van Ness Plastic Molding Co., Inc. 555 Cortlandt Street Belleville, NJ 07109		3079 Plastic Pet Supplies	.089
Vibra-Con Inc. 280 Ninth Avenue Hawthorne, NJ 07506		3471 Job Shop Plating operation	.005
Victory Optical Mfg., Co. 19 Mulberry Place Newark, NJ 07102	1 Victory Plaza Newark, NJ 07102	3851 Eyeglass Frames	.015
Videx Equipment Corp. 170 Railroad Avenue Paterson, NJ 07501		3542 Rebuilt Extrusion Machinery	.001
Wallace & Tiernan Div. of Pennwalt Corp. 25 Main Street Belleville, NJ 07109		3829 Measurement, Control Equipment	.108
Warner Manufacturing Corp. 100 Third Avenue Kearny, NJ 07032		3354 Aluminum Extrusions	.001
West Hudson Memorial Hospital 206 Bergen Avenue Kearny, NJ 07032		8062 Hospital	.022
Weston USA Div. Solartron Transducers 614 Frelinghuysen Avenue Newark, NJ 07114		3611 Thermometers, Aerospace Indicators	.010

INDUSTRIAL INVENTORY

POTW: Passaic Valley Sewerage Commissioners

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Facility Name Location Address	Mailing Address if Different	SIC Codes Brief Description	Average Daily Flow (mgd)
Westwood Lighting Group, Inc. 177 Genesse Avenue Paterson, NJ 07503		3645 Lamps	.055
White Chemical Company 646 Frelinghuysen Avenue Newark, NJ 07114		2833 Acid Chlorides, Brominated Flame Retardants	.097
Witco Corporation Organic Div. 160 East Fifth Street Paterson, NJ 07524		2841 Detergents and Allied Chemicals	.069
Worthington Pump Div. Dresser Ind., Inc. 401 Worthington Avenue Harrison, NJ 07029		3561 Pumps & Machinery	.182
Zenith Dyeing & Finishing Corp. 53 East 23rd Street Paterson, NJ 07509	P.O. Box 2392 Paterson, NJ 07509	2261 Textile Dyeing & Finishing	.149

USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
Allan Finishing Corp. 271 Mayhill Street Saddle Brook, NJ 07662	Metal Finishing
Ambrosia Chocolate Div. of W.R. Grace & Co. 355 North 5th Street Newark, NJ 07107	Mfg. Chocolate
Anheuser Busch Inc. 468 Raymond Blvd Newark, NJ 07105	Dry brewers grain
Architectual Metals 162-176 Abington Avenue Newark, NJ 07107	Electroplating
Armour Dial Corp. 179 Entin Road Clifton, NJ 07014	Mfg. Ammonia
Atlas Metal Finishing, Inc. 8 Avenue B Newark, NJ 07114	Electroplating
Bon-Art International 99 Evergreen Street Newark, NJ 07114	Mfg. store fixtures
Clayton/Corrham Corp. Corner of Hamilton & Kingsland Avenue Harrison, NJ 07029	Mfg. cardboard boxes
Commercial Products, Inc. 117 Ethel Avenue Hawthorne, NJ 07506	Mfg. textile softners & stiffners
Eastern Vitamins 1 Carol Street Clifton, NJ 07014	Mfg. vitamin tablets

USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
Electron Technology 626 Schuyler Street Kearny, NJ 07032	Electroplating
Excel IV, Inc. 580 Brighton Road Clifton, NJ 07013	Screen printing
G.S.F. Energy System 1501 Harrison Avenue Kearny, NJ 07032	Landfill gas
Graphtex, Inc. 1 Dell Glen Avenue Lodi, NJ 07644	Electroplating
Hackensack Meadowlands Development Harrison Avenue - Landfill Site 1A Kearny, NJ 07032	Landfill Leachate
Henkel Corp. Process Chemicals First & Essex Streets Harrison, NJ 07029	Specialty Chemicals
Imperial Electro Plating Div. F.E.R. Plating 52 Park Avenue Lyndhurst, NJ 07071	Electroplating
John L. Armitage & Company 245 Thomas Street Newark, NJ 07114	Research & Development Lab
Krementz & Company 375 McCarter Hwy. Newark, NJ 07105	Mfg. gold rings
Liquid Cargo, Inc. 470 Schuyler Avenue Kearny, NJ 07032	Tank cleaning service

USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
NJ Transit Penn Station Raymond Blvd West Newark, NJ 07102	Railroad station
NSC Plating & Polishing Co., Inc. 242 South 12th Street Newark, NJ 07107	Electroplating
P & K Pole Products 84 Foundry Street Newark, NJ 07105	Mfg. aluminum poles
Polychrome Chemicals Corp. Cellomer Division 46 Albert Avenue Newark, NJ 07105	Process chemicals
Power Conversion, Inc. 495 Boulevard Elmwood Park, NJ 07407	Mfg. lithium batteries
SCA Chemical Services Div. Chemical Waste Management 100 Lister Avenue Newark, NJ 07105	Commercial waste treatment facility
Shamrock Chemicals Corp. Foot of Pacific Street Newark, NJ 07114	Process Chemicals
Supreme Heat Treating 8-12 Clifton Avenue Newark, NJ 07103	Metal finishing

USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
American Bumpers 290 Parkhurst Street Newark, NJ 07105	Does not meet criteria to be Classified Ind. user
Amtrak Inc. Raymond Blvd West Newark, NJ 07105	Name change now NJ Transit
Arrow Fastener 271 Mayhill Street Saddle Brook, NJ 07662	Name change now Allan Finishing
Basic Concepts Ltd 141 Lanza Avenue Garfield, NJ 07026	Does not meet criteria to be Classified Ind. user
Bridgeport Specialty Metals, Inc. 241 Oraton Street Newark, NJ 07114	Out of business
Cellomer Corp. 46 Albert Street Paterson, NJ 07524	Name change now Polychrome
Church & Company 400 JFK Drive Bloomfield, NJ 07003	Does not meet criteria to be classified Ind. user
Comet Finishing 272 Wright Street Newark, NJ 07114	Out of business
Crouse Hinds Lighting 84 Foundry Street Newark, NJ 07105	Name change now P & K Pole Products
Diamond Shamrock Chemicals First & Essex Streets Harrison, NJ 07029	Out of business

USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Earthline Inc. 100 Lister Avenue Newark, NJ 07105	Name change now SCA Chemical Services
Empire Dyeing Co. 250 Belmont Avenue Haledon, NJ 07508	Out of business
Farmers Feed Co. 468 Raymond Blvd Newark, NJ 07105	Out of business
Gordos Corp. 250 Glenwood Avenue Bloomfield, NJ 07003	Out of business
Hooton Chocolate 355 North 5th Street Newark, NJ 07107	Name change now Ambrosia Chocolate
Imperial Electroplating Co. 52 Park Avenue Lyndhurst, NJ 07071	Out of business
J.C. Metal Inc. 8 Avenue B Newark, NJ 07114	Out of business
Larter & Sons 88 Parkhurst Street Newark, NJ 07114	Moved to South Jersey
Mottern Polishing & Plating Co. 242 South 12th Street Newark, NJ 07107	Out of business

USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
National Malting Co. 9 Ann Street Paterson, NJ 07509	Out of business
North American Philips Corp. One Westinghouse Plaza Bloomfield, NJ 07003	Out of business
OMNI Duralite Inc. Two Barbour Avenue Passaic, NJ 07055	Out of business
Paramount Plating 689 South 16th Street Newark, NJ 07108	Out of business
Power Battery 543 East 42nd Street Paterson, NJ 07513	Does not meet criteria to be classified Ind. user
Redi Strip of Newark 46 Paris Street Newark, NJ 07105	Out of business
Union Photo Company 1240 Main Avenue Clifton, NJ 07015	Moved to Hackensack
White Metals Mfg. Co. 220 Goffle Road Hawthorne, NJ 07506	Out of business

AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
A. L. Dyers Inc. 36 Seabury St Newark, NJ 07104	Louis Mondejar, President (201) 484-6400	410.44 Sub-Part D	N/A	Y	N/A	N/A
Apollo Dyeing & Finishing Corp. 140 Summer St - P.O. Box 3072 Paterson, NJ 07509	Eugene Baldecchi, Sect./Treas. (201) 684-6376	410.44 Sub-Part D	N/A	Y	N/A	N/A
Baltic Dyeing & Finishing Corp. 35 Eighth Street Passaic, NJ 07055	Anthony Maltese, Secretary (201) 777-6619	410.44 Sub-Part D	N/A	Y	N/A	N/A
Boris Kroll Jacquard Looms, Inc. 66 Gray Street Paterson, NJ 07501	John Anderson, Ass't. V.P. (201) 684-4545	410.44 Sub-Part D	N/A	Y	N/A	N/A
Champion Dyeing & Finishing Co. 192 Putnam Street Paterson, NJ 07524	Charles Russalesi, President (201) 345-9506	410.44 Sub-Part D	N/A	Y	N/A	N/A
Columbia Textile Service Inc. 28 Ryle Avenue Paterson, NJ 07509	Adolph Nazzaro, V.P. (201)942-5544	410.44 Sub-Part D	N/A	Y	N/A	N/A
Como Textile Prints Inc. 191 East Railway Avenue Paterson, NJ 07503	M. F. Blanchfield, Plt. Mgr. (201)279-2950	410.44 Sub-Part D	N/A	Y	N/A	N/A

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	*Facility Contact* Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Coral Dyeing & Finishing Co. 585 East 31st Street Paterson, NJ 07513	Clara Thompson, Controller (201) 278-0272	410.44 Sub-Part D	N/A	Y	N/A	N/A
Craft Textile Printing Co., Inc. 44 Beech Street Paterson, NJ 07509	H. R. Casparian, President (201) 278-3818	410.44 Sub-Part D	N/A	Y	N/A	N/A
Dyetex Corp. 2 Canal Street Passaic, NJ 07055	J. C. Vendette, President (201) 473-4466	410.44 Sub-Part D 410.54 Sub-Part E	N/A	Y	N/A	N/A
E & W Piece Dye Works Inc. 900 Passaic Avenue East Newark, NJ 07029	Arthur Bruno President (201) 482-5080	410.44 Sub-Part D	N/A	Y	N/A	N/A
International Veiling Corp. 244 Hazel Street Clifton, NJ 07012	Edwin S. Wiley, President (201) 772-3100	410.54 Sub-Part E	N/A	Y	N/A	N/A
Interstate Dyeing & Finishing Co. 35 Eighth Street Passaic, NJ 07055	Joseph Metzger, V.P. (201) 473-8370	410.44 Sub-Part D	N/A	Y	N/A	N/A
Leader Dyeing & Finishing 94 Madison Avenue Paterson, NJ 07509	Elaine DeNobile, Office Mgr. (201) 279-9200	410.44 Sub-Part D	N/A	Y	N/A	N/A

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Manner Dyeing & Finishing Co. 293 Morrissee Avenue Haledon, NJ 07508	Patrick Cupo, President (201) 942-8718	410.44 Sub-Part D	N/A	Y	N/A	N/A
Missbrenner Prints Inc. 211 Mt. Prospect Avenue Clifton, NJ 07013	Alan Roth, Plt. Chemist (201) 777-6410	410.44 Sub-Part D	N/A	Y	N/A	N/A
Narrotex Corp. 245 Fourth Street Passaic, NJ 07055	Samuel Levin, President (201) 777-1740	410.44 Sub-Part D	N/A	Y	N/A	N/A
North Jersey Skein Dyeing Co. 152 Putnam Street Paterson, NJ 07524	Dominic H. Aldi, President (201) 684-6488	410.74 Sub-Part G	N/A	Y	N/A	N/A
Paragon Dyeing & Finishing Co. 72 Chadwick Street Paterson, NJ 07509	J. Varcadipane, V.P. (201) 278-6800	410.44 Sub-Part D	N/A	Y	N/A	N/A
Paterson Bleachery & Chemicals 207 East 15th Street Paterson, NJ 07524	Antonio Armenante, President (201) 684-1034	410.44 Sub-Part D	N/A	Y	N/A	N/A
Paul's Dyeing Company One Main Street East Orange, NJ 07018	Ernest P. Gecz, President (201) 484-1121	410.24 Sub-Part B 410.44 Sub-Part D	N/A	Y	N/A	N/A

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Categorical Preatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Perennial Printing Corp. Two East 26th Street Paterson, NJ 07509	Ronald Klaiman, President (201) 279-3558	410.44 Sub-Part D	N/A	Y	N/A	N/A
Poughkeepsie Finishing Corp. 48 East 5th Street Paterson, NJ 07509	Frank Centrelli, President (201) 279-1415	410.44 Sub-Part D	N/A	Y	N/A	N/A
Rainbow Dyeing & Finishing Corp. 20-21 Wagaraw Road Fairlawn, NJ 07410	Emil Innocenti, President (201) 423-2044	410.44 Sub-Part D	N/A	Y	N/A	N/A
Renco Mfg. 20-21 Wagaraw Road Fairlawn, NJ 07410	David Rento, President (201) 769-5600	410.44 Sub-Part D	N/A	Y	N/A	N/A
Signature Cloth Corp. 200 Clifton Blvd. Clifton, NJ 07013	Marcel Touponse, Plt. Mgr. (201) 472-1300	410.44 Sub-Part D	N/A	Y	N/A	N/A
Stacy Industries, Inc. 38 Passaic Street Wood-Ridge, NJ 07075	J. Hipale Executive Director (201) 779-1121	410.84 Sub-Part H	N/A	Y	N/A	N/A
Sunbrite Dye Co., Inc. 35 Eighth Street Passaic, NJ 07055	C. J. Spinella, Gen. Mgr. (201)777-9830	410.44 Sub-Part D	N/A	Y	N/A	N/A

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Categorical Preatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Textile Piece Dyeing Inc. 451 Fifth Avenue Paterson, NJ 07509	R. C. Westra, V.P. (201) 345-7200	410.44 Sub-Part D	N/A	Y	N/A	N/A
Thomas Henshall Silk Finishing 52 West Peel Street Paterson, NJ 07524	L. D. VanDerWende, Technical Mgr. (201) 684-4956	410.44 Sub-Part D	N/A	Y	N/A	N/A
Thorn, Inc. 15-19 First Avenue Paterson, NJ 07524	Frank DeCieceis, Engineer (201) 684-1717	410.44 Sub-Part D	N/A	Y	N/A	N/A
Trio Dyeing Co., Inc. 440-450 East 22nd Street Paterson, NJ 07509	Joseph Singer, Controller (201) 279-5538	410.44 Sub-Part D	N/A	Y	N/A	N/A
Zenith Dyeing & Finishing Corp. 53 East 23rd Street Paterson, NJ 07509	C. Kuiphoff, Office Mgr. (201) 278-0400	410.44 Sub-Part D	N/A	Y	N/A	N/A

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Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
A & F Electroplating Inc. 106 Ashland Avenue West Orange, NJ 07052	Frank Chabala, President (201) 736-4344	413.14 Sub-Part A	10/85	Y	N/A	01/22/87
Acme Engraving Co., Inc. 19 Delaware Avenue Passaic, NJ 07055	Roy Murat, Secretary (201) 778-0885	413.64 Sub-Part F	07/18/85	Y	N/A	08/15/84
Aircraft Engineering Products Two Ackerman Avenue Clifton, NJ 07011	Leo Roth, Plt. Mgr. (201) 777-4737	413.14 Sub-Part A	06/26/85	Y	N/A	06/26/85
Alcaro & Alcaro Plating Co., Inc. 112 Pine Street Montclair, NJ 07042	Anthony Alcaro, President (201) 746-1200	413.14 Sub-Part A 413.24 Sub-Part B	02/02/86	Y	N/A	01/21/87
Alfred Heller Heat Treating Co. 5 Wellington Street Clifton, NJ 07014	George DeVos, Vice President (201) 772-4200	413.14 Sub-Part A	10/09/85	N	08/87	
American Electro Plating Co. 342 Lincoln Avenue Hawthorne, NJ 07506	Rudolph Portvliet, President (201) 427-2300	413.14 Sub-Part A	06/19/85	Y	N/A	02/28/84
Andarn Electro Service 72 Michigan Avenue Paterson, NJ 07503	Stephan Bednarz, Vice President (201) 523-2220	413.44 Sub-Part D 413.54 Sub-Part E 413.64 Sub-Part F	06/17/85	Y	N/A	08/15/84

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Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Anodizing Corp. 39 Avenue L Newark, NJ 07105	Jack Lavorgna, President (201) 589-2761	413.44 Sub-Part D	06/17/85	Y	N/A	04/27/84
Architectual Metals 162-176 Abington Ave Newark, NJ 07107	Eric Simons,	413.54 Sub-Part E	*			
Atlas Metal Finishing Inc. 8 Avenue B Newark, NJ 07105	Elmar Cerva, Vice President (201) 684-8740	413.14 Sub-Part A	07/20/87	Y	N/A	07/20/87
Aurilyte Process Company 25 McWhorter Street Newark, NJ 07105	Markram Demian, President (201) 344-4434	413.24 Sub-Part B	06/14/85	Y	N/A	06/14/85
Automatic Electroplating Corp. 185 Foundry Street Newark, NJ 07105	Jerry Borriello, President (201) 589-0344	413.14 Sub-Part A	08/27/85	Y	N/A	09/04/86
Beamar Electronics, Inc. 141 Kearny Street Paterson, NJ 07522	Martin Forrest, Vice President 595-9627	413.84 Sub-Part H	09/01/86	Y	N/A	05/14/86
Best Plating & Polishing Co. 443 South Tenth Street Newark, NJ 07103	Michael Maykish, President (201) 621-2200	413.14 Sub-Part A	06/21/85	Y	N/A	12/26/84

*AWAITING BMR

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Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
C. Patti Electro Plating Corp. 27 First Street Newark, NJ 07107	Carmelo Patti, President (201) 643-2201	413.14 Sub-Part A	07/17/85	Y	N/A	07/23/86
Chrome Art Inc. 23 George Street Newark, NJ 07105	Elton Lima, President (201) 589-8070	413.14 Sub-Part A	10/85	Y	N/A	03/02/87
Circuit Manufacturing Corp. 9 St. Francis Street Newark, NJ 07105	Arthur Figueira, Vice President (201) 344-3050	413.84 Sub-Part H	08/14/85	Y	N/A	08/14/85
Diamond Hard Chromium Co., Inc. 463 NJ Railroad Avenue Newark, NJ 07105	Adolph Dobbs, President (201) 824-9412	413.14 Sub-Part A	08/06/85	Y	N/A	12/28/84
Double D Plating Co., Inc. 52 Garfield Avenue Paterson, NJ 07522	Donald DeSimone, President (201) 742-3982	413.14 Sub-Part A	07/10/85	Y	N/A	02/11/85
Durite Circuit Corp. 141 River Road Nutley, NJ 07110	Roland M. Palumbo, President (201) 667-3033	413.84 Sub-Part H	08/16/85	Y	N/A	08/16/85
E.C. Electroplating, Inc. 125 Clark Street Garfield, NJ 07026	Salvatore Cusmano, Asst. Gen. Mgr. (201) 340-0227	413.14 Sub-Part A	07/18/85	Y	N/A	07/18/85

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Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Electron Technology 626 Schuyler Avenue Kearny, NJ 07032	Ronald Goehner, President (201) 998-8100	413.64 Sub-Part F	07/08/87	Y	N/A	07/08/87
Electronic Circuit Corp. 520 Victor Street Saddle Brook, NJ 07662	George Snedecor, President (201) 845-0180	413.84 Sub-Part H	10/04/85	N	09/87	
Electronic Processing Corp. 17 Central Avenue Hawthorne, NJ 07506	Wm. VanBlarcom, President (201) 423-3664	413.14 Sub-Part A	07/16/85	Y	N/A	12/31/84
Frederick Gumm Chemical Co., Inc. 538 Forrest St Kearny, NJ 07032	Peter Dietrich, Vice President (201) 991-4171	413.14 Sub-Part A	07/14/87	N	09/87	
G & H Metal Finishers, Inc. 282 Dakota Street Paterson, NJ 07503	George Grimm, President (201) 523-0307	413.14 Sub-Part A	06/25/85	Y	N/A	06/30/85
General Metal & Black Finishers 3 Alva Street Bloomfield, NJ 07003	George Stryker, President (201) 743-7000	413.44 Sub-Part D	07/12/85	Y	N/A	05/16/84
Graphtex, Inc. 1 Dell Glen Avenue Lodi, NJ 07644	G. Markoff, President (201) 478-1166	413.64 Sub-Part F	03/31/87	Y	N/A	03/31/87

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Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Highland Electroplating 63 Dayton Street Paterson, NJ 07509	Michael Klein, President (201) 278-4567	413.14 Sub-Part A 413.44 Sub-Part D	06/30/85	Y	N/A	12/31/84
Hy-Grade Electroplating 35 Fourth Street Newark, NJ 07107	Eugene Wagner, President (201) 482-1442	413.14 Sub-Part A	01/14/86	Y	N/A	11/22/85
Ideal Plating & Polishing 681 Main Street Belleville, NJ 07109	R. Knigge, President (201) 759-5559	413.14 Sub-Part A	02/27/85	N	09/87	
Imperial Electroplating Co. Div. F.E.R Plating 52 Park Avenue Lyndhurst, NJ 07071	E. Engelhardt, President (201) 438-5490	413.14 Sub-Part A	07/02/85	Y	N/A	01/19/87
Independence Plating Corp. 107 Alabama Avenue Paterson, NJ 07509	Ron Knigge, President (201) 523-1776	413.14 Sub-Part A	07/17/85	Y	N/A	01/26/87
Industrial Hard Chromium Co., Inc. 7 Rome Street Newark, NJ 07101	Michael Casenta, Vice President (201) 344-2265	413.14 Sub-Part A	06/25/85	Y	N/A	12/11/84
Keystone Automotive Ind., Inc. 24 Legal Street Newark, NJ 07114	Pete Johnson, Gen. Mgr. (201) 248-7644	413.14 Sub-Part A	07/07/85	Y	N/A	07/02/85

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Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Kohinoor Electroplating Corp. 11 Paterson Avenue Wallington, NJ 07057	Amarjett Basra, President (201) 779-4723	413.14 Sub-Part A	07/17/85	Y	N/A	07/21/86
Loisel Manufacturing Corp. 168 Eighth Avenue Paterson, NJ 07514	Steve Tushingham, Vice President (201) 742-7002	413.14 Sub-Part A	07/17/85	Y	N/A	07/17/85
Manco Plating, Inc. 390 Park Avenue Newark, NJ 07107	Louis Garcia, President (201) 485-6800	413.14 Sub-Part A	07/08/85	Y	N/A	07/08/85
Mara Polishing & Plating 105-107 Peddie Street Newark, NJ 07108	Don Bellisano, President (201) 242-0800	413.14 Sub-Part A	07/01/85	Y	N/A	07/01/85
Miller & Sons 24 Belleville Avenue Belleville, NJ 07109	Allen Miller, President (201) 759-6445	413.14 Sub-Part A 413.44 Sub-Part D	11/25/85	N	08/87	
Moyer Plating Corp. 175 Christie Street Newark, NJ 07101	Sean Moyer, Vice President (201) 589-1112	413.14 Sub-Part A	07/09/85	Y	N/A	07/21/87
NSC Plating & Polishing Co., Inc. 242 South 12th Street Newark, NJ 07107	Joseph Maykish, Plant Manager (201) 623-8178	413.14 Sub-Part A	07/18/85	Y	N/A	02/22/85

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Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Nu-Tronic Circuit Co., Inc. 250 East 17th Street Paterson, NJ 07524	Frank Altieri, President (201) 279-3838	413.84 Sub-Part H	06/26/85	Y	N/A	01/02/87
Ondecker Metal Finishing 178-182 Emmet Street Newark, NJ 07105	George Ondecker, President (201) 824-1371	413.24 Sub-Part B	06/30/85	Y	N/A	07/16/84
P.N.C., Inc. 115 East Centre Street Nutley, NJ 07110	Renee Gabbai, President (201) 284-1600	413.84 Sub-Part H	07/31/85	Y	N/A	05/07/87
Pan-Graphics Inc. 45 Hartmann Avenue Garfield, NJ 07026	Eugene J. Sidor, Controller (201) 478-2100	413.64 Sub-Part F	10/16/85	Y	N/A	10/16/85
Plating City 347 Ferry Street Newark, NJ 07105	Kenti Patel, President (201) 589-3700	413.14 Sub-Part A	08/07/85	Y	N/A	06/28/85
Polaris Plating Inc. 200 Keen Street Paterson, NJ 07524	Frank Zemo, President (201) 278-0030	413.14 Sub-Part A	08/16/85	Y	N/A	02/03/85
Precision Products Company Two Llewellyn Avenue Hawthorne, NJ 07506	Charles Vaghasia, President (201) 423-0030	413.84 Sub-Part H	05/06/85	Y	N/A	05/06/85

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Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Precision Prototypes Inc. 255 Midland Avenue Garfield, NJ 07026	Raymond Viventi, Plt. Mgr. (201) 546-6737	413.84 Sub-Part H	01/06/86	Y	N/A	01/06/86
Quality Metal Finishing Corp. 80 George Street Paterson, NJ 07503	Mark S. Leonardis, President (201) 345-0963	413.14 Sub-Part A	02/10/86	Y	N/A	02/10/86
Ranno Electroplating Corp. 280 Midland Avenue Saddle Brook, NJ 07662	Philip S. Ranno, President (201) 791-6655	413.14 Sub-Part A	07/30/85	Y	N/A	01/07/87
Rennie Mfg. & Finishing Corp. 12 Rennie Place Lodi, NJ 07644	Alan Kessinger, President (201) 773-1650	413.14 Sub-Part A	07/17/85	Y	N/A	06/13/86
Reyom Corp. 173 Christie Street Newark, NJ 07105	John Naia, Vice President (201) 589-2232	413.14 Sub-Part A	08/02/85	Y	N/A	01/28/86
Stirrup Metal Products Corp. 215 Emmet Street Newark, NJ 07101	George Stirrup, President (201) 824-7086	413.54 Sub-Part E	10/17/86	Y	N/A	10/17/86
Suffern Plating Corp. 210 Garibaldi Avenue Lodi, NJ 07644	Herbert S. Landau, President (201) 473-4404	413.14 Sub-Part A	07/26/85	N	09/87	

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Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Sun Metal Finishing, Inc. 54 Bleeker Street Paterson, NJ 07524	Michael O'Brien, President (201) 684-0119	413.14 Sub-Part A	08/08/85	Y	N/A	01/22/87
Supreme Heat Treating Inc. 8-12 Clifton Avenue Newark, NJ 07103	Frank Ferrara, President (201) 482-6464	413.54 Sub-Part E	03/02/87	Y	N/A	03/02/87
T.A. Farrell Electroplating 39 Atlantic Street Garfield, NJ 07026	Howard S. Berke, President (201) 340-0357	413.14 Sub-Part A 413.24 Sub-Part B	06/25/85	Y	N/A	06/24/85
TRB Electro Corp 6 Morris Street Paterson, NJ 07501	Murray Green, Owner (201) 278-9014	413.44 Sub-Part D	12/18/85	Y	N/A	01/17/86
Timco Inc. 666 South 16th Street Newark, NJ 07103	Diane Santora, General Mgr. (201) 374-3729	413.54 Sub-Part E	08/21/86	Y	N/A	07/28/86
Trio Plating Co., Inc. 61 Willett Street Passaic, NJ 07055	Harry Gardner, President (201) 845-6804	413.14 Sub-Part A	06/29/85	Y	N/A	07/15/85

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Inorganic Chemicals 40 CFR 415

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Auric Fidelity Chemical Prod. 470 Frelinghuysen Avenue Newark, NJ 07114	M. Bick President (201) 242-4110	415.367 Sub-Part AJ 415.474 Sub-Part AU	06/20/85	Y	N/A	08/22/84
Heubach 256 Vanderpool Street Newark, NJ 07114	R. Mitchell V.P. (201) 242-1800	415.344 Sub-Part AH	11/22/82	N	10/15/87	
General Color 24 Avenue B Newark, NJ 07114	J. McNellis V.P. (201) 248-2575	415.644 Sub-Part BL	04/08/85	Y	N/A	06/24/87
Essex Chemical Corp. 330 Doremus Avenue Newark, NJ 07105	A. Soos Plt. Eng. (201) 773-6300	415.24 Sub-Part B	08/08/85	Y	N/A	12/06/84

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Categorical Pretreatment Standard for Iron & Steel Manufacturing 40 CFR 420

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
National Standard 714-716 Clifton Ave Clifton, NJ 07013	Jack Hemsteger, Plant Engineer (201) 779-1881	420.95 Sub-Part I	07/17/87	N	10/01/87	
Driver Harris Alloys, Inc. 308 Middlesex St Harrison, NJ 07029	R. Crabtree, Engr. Mgr (201) 483-4800	420.75 Sub-Part G	02/05/87	Y	N/A	02/05/87
		420.95 Sub-Part I	02/05/87	N	01/88	

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Categorical Pretreatment Standard for Non-Ferrous Metals Manufacturing 40 CFR 421

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
OMI International 75 River Road Nutley, NJ 07110	Alan Buffey, Plant Manager (201) 667-5200	421.265 Sub-Part X	10/31/86	N	09/20/88	
Krementz & Co 375 McCarter Highway Newark, NJ 07105	E. Hugh Lackey, President (201) 621-8300	421.265 Sub-Part X	*			

* BMR BEING EVALUATED

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Categorical Pretreatment Standard for Leather Tanning & Finishing 40 CFR 425

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
New Jersey Tanning Co. 410 Frelinghuysen Avenue Newark, NJ 07114	Harold Schwartz President (201) 824-8324	425.15 Sub-Part A	03/25/85	Y	N/A	11/25/85
Ocean Leather Corp. 42 Garden Street Newark, NJ 07105	Sal Mohan, V.P. (201) 344-1193	425.15 Sub-Part A	07/01/83	Y	N/A	07/21/87
Seton Leather Company 249 Oraton Street Newark, NJ 07104	William Lee, Enviro. Eng. (201) 485-4800	425.15 Sub-Part A	08/05/85	N	04/88	

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pulp and Paper 40 CFR 430 & 431

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Chin Am 177 Third Avenue Paterson, NJ 07504	J. Shortino Production Supt. (201) 345-1640	430.56 Sub-Part E	*	Y	N/A	07/11/86
Garden State Paper, Inc. 950 River Drive Garfield, NJ 07026	R. Snyder, Tech. Director (201) 772-8700	430.176 Sub-Part Q	*	Y	N/A	01/17/83
Marcal Paper Mills, Inc. One Market Street Elmwood Park, NJ 07407	J. Burt, Tech. Director (201) 796-4000	430.196 Sub-Part S	*	Y	N/A	01/01/86
Newark Boxboard Company 17 Blanchard Street Newark, NJ 07105	R. Dinan, Asst. Supt. (201) 589-6853	430.56 Sub-Part E	*	Y	N/A	02/02/83

***CERTIFICATION OF CONTINUED COMPLIANCE WAS INITIALLY SUBSTITUTED FOR THE BMR. PERIODIC REPORTS HAVE SUBSEQUENTLY SUPPLIED ALL BMR INFORMATION**

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Meat Products 40 CFR 432

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
American Rendering Corp. 38-42 Bay Avenue Newark, NJ 07105	Seymour Berkowitz, President (201) 589-5994	432.104 Sub-Part J	N/A	Y	N/A	N/A
Best Provisions 144 Avon Avenue Newark, NJ 07108	Morris Dolinko, V.P. (201) 243-1100	432.74 Sub-Part G	N/A	Y	N/A	N/A
Great American Veal 42 Avenue L Newark, NJ 07105	Thomas Burke, President (201) 589-6363	432.24 Sub-Part B	N/A	Y	N/A	N/A
Kohler Delicatessan Meats Inc. 57 Napolean Street Newark, NJ 07105	S. Gittler, Acct. (201)589-3459	432.74 Sub-Part G	N/A	Y	N/A	N/A
Liberty Provisions 200 Piaget Avenue Clifton, NJ 07011	Kurt Manz, Manager (201) 478-4411	432.74 Sub-Part G	N/A	Y	N/A	N/A
Linden Packing Co. 342 Astor Street Newark, NJ 07114	Leonard Fine, President (201) 824-6222	432.24 Sub-Part B	N/A	Y	N/A	N/A
Shofar Kosher Foods Inc. 219-221 Emmet Street Newark, NJ 07114	Leonard Posnack, President (201) 242-2434	432.74 Sub-Part G	N/A	Y	N/A	N/A

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Meat Products 40 CFR 432

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Standard Tallow Corp. 1215 Harrison Avenue Kearny, NJ 07032	E. Schonwalter, V.P. (201) 997-7550	432.104 Sub-Part J	N/A	Y	N/A	N/A
Van Iderstine Corp. 825 Wilson Avenue Newark, NJ 07105	Evan Tyler, Controller (201) 465-1900	432.104 Sub-Part J	N/A	Y	N/A	N/A

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Allan Finishing Corp. 271 Mayhill Street Saddle Brook, NJ 07662	Allan Abrams, President (201) 843-6900	433.15 Sub-Part A	08/01/85	N	10/87	
Art Metal USA Inc. 300 Passaic Street Newark, NJ 07101	Neal Umstot Plt. Mgr. (201) 485-5310	433.15 Sub-Part A	04/09/85	Y	N/A	01/16/87
Bon Art International Inc. 99 Evergreen Avenue Newark, NJ 07114	Al Walker, Vice President (201) 623-6615	433.15 Sub-Part A	07/17/87	Y	N/A	07/17/87
C.A. Lausberg & Sons Inc. 351 Clinton Street Haledon, NJ 07508	Charles Lausberg, Treasurer (201) 790-1444	433.15 Sub-Part A	08/22/85	Y	N/A	04/22/86
Canrad Hanovia 100 Chestnut Street Newark, NJ 07105	Tom Gaven, Dir. of Mfg. (201) 539-4300	433.15 Sub-Part A	04/24/86	Y	N/A	01/23/87
Daytona Finishing 59 Wall Street Newark, NJ 07105	Bill Herbert, Vice President (201) 578-2445	433.15 Sub-Part A	03/25/86	N	12/87	
Edmar Creations 35 Mohegan Street Clifton, NJ 07013	Jerome Greenberg, Plt. Mgr. (201) 472-8877	433.15 Sub-Part A	09/09/85	Y	N/A	06/30/87

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Gloube Manufacturing Company 300 First Street Harrison, NJ 07029	Philip Schlosser, President (201) 482-2156	433.15 Sub-Part A	06/20/85	Y	N/A	02/13/87
ITT Avionics 100 Kingsland Road Clifton, NJ 07014	Donald T. Polzo, Environ Specialist (201) 284-0123	433.15 Sub-Part A	06/28/85	Y	N/A	06/28/85
J.B. Hirsh Company, Inc. 111 Rome Street Newark, NJ 07105	Robert Gray, Vice President (201) 465-0200	433.15 Sub-Part A	09/09/85	Y	N/A	09/09/85
Medin Metal Technology 125 South Street Passaic, NJ 07055	Alva Antrim, Asst Prod. Supv (201) 778-2707	433.15 Sub-Part A	08/09/85	Y	N/A	07/19/85
Presto Lock Corp. 100 Outwater Lane Garfield, NJ 07026	G. King, Vice President (201) 340-1000	433.15 Sub-Part A	08/01/85	Y	N/A	12/26/86
Phillips Mfg. 190 Emmet Street Newark, NJ 07101	Richard Friaglia, President (201) 824-0400	433.15 Sub-Part A	10/08/86	Y	N/A	10/08/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
T & E Industries 215 Watchung Avenue Orange, NJ 07050	Leonard Box, President (201) 672-5454	433.15 Sub-Part A	10/02/85	Y	N/A	10/02/86
Wallace & Tiernan 25 Main Street Belleville, NJ 07109	R. Murphy, Vice President (201) 759-8000	433.15 Sub-Part A	08/12/85	N	8/87	
Weston USA Solartron Transducers 614 Frelinghuysen Avenue Newark, NJ 07114	H. Gogerty, Manager (201) 242-2600	433.15 Sub-Part A	06/22/85	Y	N/A	06/15/84
Westwood Lighting Group 177 Genesse Avenue Paterson, NJ 07503	W. D. Huggins, Vice President (201) 684-8484	433.15 Sub-Part A	09/24/85	Y	N/A	08/21/85
Vibra-Con 280 Ninth Avenue Hawthorne, NJ 07506	Harold Cole, Vice President (201) 472-6565	433.15 Sub-Part A	06/12/86	Y	N/A	01/08/87

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Biocraft Labs Inc. 92 Route 46 Elmwood Park, NJ 07407	M. Kaufman, Vice President (201) 796-3434	439.46 Sub-Part D	08/30/85	Y	N/A	10/04/84
Biocraft Labs Inc. 209 McLean Blvd Paterson, NJ 07504	Harmon Aronson, Vice President (201) 741-7494	439.46 Sub-Part D	02/07/86	Y	N/A	02/07/86
Brioschi, Inc. 19-01 Pollitt Drive Fairlawn, NJ 07410	M. Brizzolara, President (201) 796-4226	439.46 Sub-Part D	08/11/86	Y	N/A	08/11/86
Chase Chemicals 280 Chestnut Street Newark, NJ 07105	John Cockburn Plant Manager (201) 589-8181	439.46 Sub-Part D	01/23/86	Y	N/A	01/20/86
Chelsea Labs Inc. 401 Edward Ross Drive Elmwood Park, NJ 07407	Hasmukh Doshi, Gen. Mgr. (201)794-9500	439.46 Sub-Part D	07/30/85	Y	N/A	11/28/84
Eastern Vitamins 1 Carrol St Clifton, NJ 07014	Marlon Durham, Plant Manager (201) 471-4600	439.46 Sub-Part D	*			
Hartz Mountain Corp. 192 Bloomfield Avenue Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	439.46 Sub-Part D	01/28/87	Y	N/A	02/10/86

*** NEW COMPANY - AWAITING BMR**

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
H. Reisman Co. 377 Crane Street Orange, NJ 07051	J. Harner, Vice President (201) 677-9200	439.36 Sub-Part C 439.46 Sub-Part D	05/23/86	Y	N/A	05/23/86
Hoffman La Roche 340 Kingsland Street Nutley, NJ 07110	J. Weber Vice President (201) 235-4824	439.26 Sub-Part B 439.36 Sub-Part C 439.46 Sub-Part D	12/19/84	Y	N/A	05/07/84
Kalama Chemicals, Inc. 290 River Drive Garfield, NJ 07026	H. A. Goel, Tech. Supt. (201) 779-8880	439.36 Sub-Part C 439.26 Sub-Part B	02/17/86	Y	N/A	12/11/85
Material Processing Tech Inc. 95 Prince Street Paterson, NJ 07501	L. Larcara Jr. Plant Manager (201) 279-4132	439.46 Sub-Part D	07/19/85	Y	N/A	09/13/84
Miles Laboratories Enzyme Products Division 193 Arlington Avenue Clifton, NJ 07015	K. Sproat, Plt. Mgr. (201) 772-4800	439.16 Sub-Part A	07/30/85	Y	N/A	06/12/84
Napp Chemicals Inc. 199 Main Street Lodi, NJ 07644	Loren B.Zimmerman, Vice President (201) 773-3900	439.36 Sub-Part C	08/19/85	Y	N/A	06/11/84

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Penco of Lyndhurst, Inc. 530-540 New York Avenue Lyndhurst, NJ 07071	Dale Albright, Vice President (201) 935-6600	439.26 Sub-Part B 439.36 Sub-Part C 439.46 Sub-Part D	07/19/85	Y	N/A	11/29/84
Penick Corp. 158 Mt. Olivet Avenue Newark, NJ 07114	J. Murtha, Dir. Reg. Assurance (201) 242-4001	439.36 Sub-Part C 439.46 Sub-Part D	07/19/85	Y	N/A	10/10/84
Roche Diagnostics 11 Franklin Avenue Belleville, NJ 07109	J. Weber, V.P. (201) 235-4824	439.46 Sub-Part D	12/19/84	Y	N/A	05/07/84
Van Dyk & Company Main & William Street Belleville, NJ 07109	H. Isermann, President (201) 759-3225	439.36 Sub-Part C	08/28/85	Y	N/A	06/06/84

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pesticides 40 CFR 455

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Hartz Mountain 192 Bloomfield Ave Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	455.46 Sub-Part C	08/10/87	Y	N/A	08/10/87
Givaudan Corp 125 Delawanna Ave. Clifton, NJ 07019	John Angiolini, Asst. Director Enviro Protection (201) 365-8486	455.26 Sub-Part A	07/16/86	Y	N/A	07/16/86
Troy Chemical One Ave. L Newark, NJ 07105	Edward Capasso, Director Enviromental and Regulatory Affairs (201) 589-2500	455.36 Sub-Part B	03/10/87	Y	N/A	03/10/87
Calgon 200 Wagaraw Road Hawthorne, NJ 07507	Earl McDonald, Plant Engineer (201) 423-6100	455.26 Sub-Part A	08/11/86	Y	N/A	08/11/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Battery Manuf. 40 CFR 461

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Power Conversion, Inc 495 Boulevard Elmwood Park, NJ 07407	Thomas B. Reddy, Technical Director (201) 796-4800	461.54 Sub-Part E	11/18/86	Y	N/A	11/18/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Plastics Molding and Forming 40 CFR 463

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Van Ness Plastic Molding Co., Inc. 555 Cortlandt Street Belleville, NJ 07109	William Van Ness, President (201) 759-6200	463.15 Sub-Part A	N/A	Y	N/A	N/A
Kleer-Kast Inc. Division PMC Inc. 450 Schuyler Ave. Kearny, NJ 07032	Charles Robinson, Technical Manager (201) 997-1880	463.15 Sub-Part A 463.25 Sub-Part B	N/A	Y	N/A	N/A
Hartz Mountain Corp. 192 Bloomfield Ave. Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	463.35 Sub-Part C	N/A	Y	N/A	N/A
Wallace & Tiernan 25 Main Street Belleville, NJ 07109	R. Murphy, Vice President (201) 759-8000	463.15 Sub-Part A	N/A	Y	N/A	N/A

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Moulding and Casting 40 CFR 464

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Campbell Foundry 800 Bergen St. Harrison, NJ 07029	Cliff Gerweck, Plant Manager (201) 483-5480	464.35 Sub-Part C	12/30/86	N	09/15/87	
Atlantic Casting & Engineering 810 Bloomfield Avenue Clifton, NJ 07011	Jake Kastermans, Plant Manager (201) 779-2450	464.15 Sub-Part A	*			

*BMR BEING EVALUATED

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Aluminum Forming 40 CFR 467

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Warner Mfg. Company 100 Third Avenue Kearny, NJ 07032	G. Likos, Plt. Mgr. (201) 997-9100	467.35 Sub-Part C	07/19/85	Y	N/A	07/19/85
P & K Pole Products 84 Foundry Street Newark, NJ 07105	Frank J. Ballman, Plt Mgr (201) 589-1500	467.25 Sub-Part B	12/16/86	Y	N/A	12/16/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Copper Forming 40 CFR 468

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Little Falls Alloys 189 Caldwell Avenue Paterson, NJ 07501	Orlando Veltri, V.P. (201) 278-1666	468.14 Sub-Part A	09/23/85	N	01/88	
Driver Harris Alloys, Inc 308 Middlesex St Harrison, NJ 07029	R. Crabtree, Eng. Mgr (201) 483-4800	468.14 Sub-Part A	02/05/87	N	01/88	

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electrical & Electronic Comp. 40 CFR 469

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Power Tech 0-02 Fairlawn Avenue Fairlawn, NJ 07410	Joseph Valley, Plt. Eng. (201) 791-5050	469.16 Sub-Part A	08/23/85	Y	N/A	08/23/85

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for Non Ferrous Metal Forming Powders 40 CFR 471

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Driver Harris Alloys Inc. 308 Middlesex St Harrison, NJ 07029	R. Crabtree, Eng. Mgr. (201) 483-4800	471.34 Sub-Part C	02/05/87	N	1/88	

COMPLIANCE WITH CATEGORICAL STANDARDS

Industrial Category	40 CFR Part	Number of Industries						
		Total in Category	BMRs Received	BMRs Complete	In Compliance	Out of Compliance Under Schedule	Under Review	Final Compliance Report Receiv
Textile Mills	410	33	N/A	N/A	33	0	0	0
Electroplating	413	62	61	61	55	6	1	—
Inorganic Chemicals	415	4	4	4	3	1	0	—
Petroleum Refining	419	0	—	—	—	—	—	—
Iron & Steel	420	2	2	1	0	2	—	—
Nonferrous Metals Manufacturing	421	2	2	1	0	1	1	—
Steam Electric	423	0	—	—	—	—	—	—
Leather Tanning	425	3	3	3	2	1	0	3
Pulp and Paper	430 431	4	4	4	4	0	0	—
Meat Products	432	9	N/A	N/A	9	0	0	0
Metal Finishing	433	18	18	18	15	3	—	—
Pharmaceuticals	439	17	16	16	16	0	1	—
Pesticides	455	4	4	4	4	0	0	—
Battery Mfg	461	1	1	1	1	0	0	—
Plastics Molding and Forming	463	4	N/A	N/A	4	0	0	—

COMPLIANCE WITH CATEGORICAL STANDARDS

Industrial Category	40 CFR Part	Total in Category	Number of Industries					
			BMRs Received	BMRs Complete	In Compliance	Out of to Compliance Under Schedule	Under Review	Final Compliance Report Receive
Metal Molding and Forming	464	2	1	1	—	—	2	—
Coil Coating	465	0	—	—	—	—	—	—
Porcelain Enameling	466	0	—	—	—	—	—	—
Aluminum Forming	467	2	2	2	2	0	0	—
Copper Forming	468	2	2	2	O	2	0	—
Electrical and Electronic Comp.	469	1	1	1	1	0	0	—
Non Ferrous Metals Forming and Metal Powders	471	1	1	1	0	1	0	—

NOTES TO AR-4 FORM

Driver Harris is regulated under three categories 420,468 & 471.

Comet Finishing removed from category.

Hartz Mountain is regulated under three categories 463,455 & 439.

Wallace & Tiernan is regulated under two categories 463 & 433.

COMPANIES WITH ZERO DISCHARGE

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code if Discharging
Certified Metals 175 Entin Road Clifton, NJ 07014	Andrew Brady Maintenance Mgr. (201) 778-4848	433,421
ChemAid 100 Mayhill Road SaddleBrook, NJ 07662	Roy Reiner President (201) 843-3300	439
Contemporary Cosmetics 75 Main Street Elmwood Park, NJ 07407	Charles Iglody Plant Manager (201) 794-9700	439
I.T.T Defense Communications 492 River Road Nutley, NJ 07110	Thomas A. Jordan Manager, Facilities (201) 284-4345	433
Power Battery 543 East 42nd Street Paterson, NJ 07513	Robert Malley Env. & Industrial Safety Eng. (201) 523-8630	461
Power Tech 0-02 Fairlawn Avenue Fairlawn, NJ 07410	Joseph Valley President (201) 791-5050	433
The Okonite Company, Inc. Jefferson & Canal Street Passaic, NJ 07055	Peter Hartmann Plant Engineer (201) 825-0300 ext. 553	468
Swepco Tube 1 Clifton Blvd Clifton, NJ 07015	John Koegel V.P. Operations (201) 778-3000	420

ANALYTICAL DATA SUMMARY POTW: PASSAIC VALLEY SEWERAGE COMMISSIONERS NJPDES No.: 0021016

	Parameter	MONTHLY AVERAGE VALUES												Yearly Average	
		AUG 1986	SEPT 1986	OCT 1986	NOV 1986	DEC 1986	JAN 1987	FEB 1987	MAR 1987	APR 1987	MAY 1987	JUN 1987	JUL 1987	This Report Period	Last Report Period
REQUIRED	POTW Flow (MGD)	209	199	199	222	233	240	238	235	256	209	204	221	222	214
	BOD_5 (influent)	359	345	320	315	260	298	294	285	246	275	333	305	303	281
	BOD_5 (effluent)	33	30	22	37	44	49	29	35	30	30	42	26	34	33
	TSS (influent)	525	663	510	416	380	382	391	410	419	492	511	462	463	443
	TSS (effluent)	15	23	24	64	90	101	40	38	43	27	19	17	42	30
	pH (influent-Max)	8.8	7.7	8.4	7.7	8.5	8.8	8.6	8.1	8.2	9.0	10.4	7.3	8.5	7.8
	pH (influent-Min)	6.2	6.5	6.2	6.4	6.4	6.5	6.6	6.6	6.4	6.4	2.0	6.7	6.1	6.4
	Oil & Grease (inf)	41	128	20	223	120	40	32.3	37.6	51.0	29.8	30.5	42.1	66.3	45
	Oil & Grease (eff)	---	---	18	178	49	12.5	6.0	5.5	5.1	11.4	7.9	13.3	30.7	NR
	COD (influent)	796	858	850	779	703	715	747	732	665	765	864	753	769	766
	COD (effluent)	149	164	195	212	237	242	198	192	188	185	209	154	194	196
	Cadmium (inf)	0.032	0.020	0.026	0.016	0.016	0.016	0.019	0.018	0.023	0.018	0.014			0.021
	Cadmium (eff)	0.006	0.004	0.012	0.008	0.011	0.009	0.006	0.005	0.005	0.007	0.002			0.006
	Chromium (inf)	0.393	0.277	0.360	0.305	0.265	0.286	0.264	0.257	0.317	0.348	0.449			0.423
	Chromium (eff)	0.121	0.086	0.140	0.170	0.140	0.118	0.136	0.081	0.124	0.111	0.104			0.095
	Copper (inf)	0.247	0.370	0.282	0.194	0.223	------	0.434	0.305	0.272	0.397	0.300			0.285
	Copper (eff)	0.086	0.068	0.094	0.080	0.109	0.100	0.027	0.051	0.031	0.060	0.089			0.059
	Lead (inf)	0.446	0.460	0.390	0.465	0.348	0.420	0.460	0.254	0.319	0.438	0.846			0.434
	Lead (eff)	0.056	0.056	0.090	0.125	0.153	0.100	0.066	0.041	0.053	0.054	0.044			0.047
	Mercury (inf)	0.005	0.007	0.013	0.004	0.004	0.007	0.002	0.004	0.007	0.005	0.004			0.007
	Mercury (eff)	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.000	0.004	0.002	0.001			0.001
	Nickel (inf)	0.172	0.211	0.245	0.124	0.101	0.160	0.205	0.173	0.146	0.169	0.238			0.161
	Nickel (eff)	0.118	0.155	0.155	0.114	0.094	0.120	0.169	0.164	0.136	0.163	0.184			0.142
SQAR	Arsenic	5.24	6.05	2.80											6.14
	Cadmium	89	47	58	44	43	42	58	62	53	48	33			66
	Chromium	1120	757	549	579	544	535	565	830	689	802	930			959
	Copper	691	665	563	551	579	503	563	578	523	620	631			842
	Lead	1408	1624	821	1422	1054	1445	2177	1163	1090	1187	2292			1830
	Mercury	7.0	16.5	21.8	13.5	13.3	9.4	6.8	13.1	9.3	7.3	7.6	6.1	11.0	11.5
	Nickel	116	118	113	104	104	97	149	125	102	139	142			107
	Zinc	3825	2614	2903	3237	2283	1698	2201	2244	1720	2010	3321			2104
	Cyanide	65.7	44.5	81.2	52.4	74.8	40	33	35	44	60	52	50	52.7	15.76

Insert the monthly headings at the top of the columns for the 12 months covered by the Annual Report.
Unless otherwise indicated, report liquid analysis

AR-5b

ANALYTICAL DATA SUMMARY POTW: PASSAIC VALLEY SEWERAGE COMMISSIONERS NJPDES No.: 0021016

Parameter	MONTHLY AVERAGE VALUES												Yearly Average	
	AUG 1986	SEPT 1986	OCT 1986	NOV 1986	DEC 1986	JAN 1987	FEB 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	JULY 1987	This Report Period	Last Report Period
Zinc (inf)	1.100	1.300	1.530	1.260	1.920	1.040	0.825	0.965	0.948	0.980	1.505	[illegible]	[illegible]	0.949
Zinc (eff)	0.372	0.354	0.955	0.815	0.910	0.790	0.410	0.598	0.424	0.500	0.324		[illegible]	0.557
Pet. Hydro (eff)	---	---	364	157	2.3	6.3	9.2	2.4	0.8	1.5	3.5	5.6	55.3	1.0

TAE000567

UPDATED 1986 SUMMARY

ANALYTICAL DATA SUMMARY POTW: PVSC NJPDES No.: 0021016

	Parameter	Aug. 1985	Sept. 1985	Oct. 1985	Nov. 1985	Dec. 1985	Jan. 1986	Feb. 1986	Mar. 1986	Apr. 1986	May. 1986	Jun. 1986	July. 1986	Yearly Average This Report Period	Yearly Average Last Report Period
		MONTHLY AVERAGE VALUES													
REQUIRED	POTW Flow (MGD)	208	208	206	206	206	216	231	206	239	224	208	211	214	205
	BOD_5 (influent)	257	258	299	282	282	295	276	270	292	289	286	285	281	307
	BOD_5 (effluent)	45	58	41	24	24	28	29	24	34	34	28	22	33	36
	TSS (influent)	505	505	460	413	413	430	402	404	418	472	428	465	443	472
	TSS (effluent)	33	34	25	23	23	43	43	25	24	31	25	29	30	28
	pH (influent-Max)	7.4	8.5	8.1	7.9	7.9	8.4	8.4	8.4	7.1	7.2	7.6	6.6	7.8	7.5
	pH (influent-Min)	6.2	6.4	6.3	6.2	6.2	6.5	6.0	6.4	6.4	6.3	6.2	8.2	6.4	6.7
	Oil & Grease (inf)	46	50	50	36	44	24	40	38	58	52	39	58	45	NR
	Oil & Grease (eff)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	COD (influent)	797	814	840	773	716	761	751	714	763	773	759	729	766	818
	COD (effluent)	226	245	219	198	162	185	222	168	180	198	196	152	196	213
	Cadmium (Inf)	0.016	0.021	0.016	0.022	0.020	0.023	0.017	0.017	0.028	0.022	0.026	0.026	0.021	0.026
	Cadmium (Eff)	0.003	0.003	0.004	0.006	0.006	0.008	0.007	0.006	0.006	0.006	0.006	0.005	0.006	0.011
	Chromium (Inf)	0.592	0.600	0.663	0.425	0.745	0.247	0.284	0.313	0.298	0.329	0.286	0.295	0.423	0.583
	Chromium (Eff)	0.077	0.144	0.167	0.109	0.101	0.095	0.091	0.103	0.059	0.063	0.045	0.093	0.095	0.139
	Copper (Inf)	0.440	0.350	0.312	0.295	0.240	0.268	0.236	0.250	0.303	0.273	0.254	0.204	0.285	0.494
	Copper (Eff)	0.077	0.065	0.069	0.061	0.038	0.056	0.055	0.051	0.053	0.066	0.046	0.068	0.059	0.104
	Lead (Inf)	0.550	0.394	0.530	0.360	0.610	0.590	0.280	0.245	0.553	0.363	0.220	0.517	0.434	0.760
	Lead (Eff)	0.055	0.040	0.073	0.060	0.059	0.070	0.045	0.020	0.010	0.030	0.040	0.066	0.047	0.117
	Mercury (Inf)	0.007	0.005	0.008	0.016	0.004	0.0043	0.0050	0.0050	0.0050	0.0050	0.0035	0.0120	0.007	0.015
	Mercury (Eff)	0.001	0.001	0.002	0.002	0.001	0.0001	0.0009	0.0015	0.0012	0.0004	0.0009	0.0015	0.001	0.010
	Nickel (Inf)	0.175	0.208	0.184	0.184	0.114	0.131	0.139	0.158	0.172	0.165	0.180	0.124	0.161	0.254
	Nickel (Eff)	0.132	0.163	0.154	0.146	0.105	0.119	0.148	0.173	0.162	0.139	0.144	0.113	0.142	0.202
	Arsenic	5.03	6.44	5.57	7.91	10.67	8.86	4.21	4.71	9.59	3.15	3.85	3.60	6.14	6.87
	Cadmium	51	43	68	66	71	68	57	62	68	76	86	81	66	77.6
	Chromium	1068	1135	1580	1010	1017	1092	536	776	781	937	864	707	959	1396
	Copper	1235	1125	912	818	975	728	676	719	777	748	761	629	842	1350
	Lead	1493	1500	1900	1650	1958	3100	2050	1150	2200	1879	1050	2031	1830	2887
	Mercury	8.9	8.0	18.3	14.6	10.4	8.4	7.1	15.6	17.0	12.0	7.1	10.9	11.5	17.7
	Nickel	121.0	94.2	120.5	97.6	105.2	90.3	94.8	109.3	107.2	120	125	101	107	156.4
	Zinc	2175	2025	2800	2100	1375	1642	1735	1680	2335	2258	2698	2423	2104	195.4
	Cyanide	4.9	4.0	4.9	11.0	8.1	21.5	23.2	13.5	20.1	21.7	22.7	33.5	15.76	12.93

1. Insert the monthly headings at the top of the columns for the 12 months covered by the Annual Report.
2. Unless otherwise indicated, report liquid analyses in mg/l, sludge analyses in mg/kg, and pH in Standard Units.
3. Insert N.R. in the table for any parameter you are not required to [illegible]

TAE000568

-5b

UPDATED 1986 SUMMARY

ANALYTICAL DATA SUMMARY POTW: PVSC NJPDES No.: 0021016

	MONTHLY AVERAGE VALUES												Yearly Average	
Parameter	Aug. 1985	Sept. 1985	Oct. 1985	Nov. 1985	Dec. 1985	Jan. 1986	Feb. 1986	Mar. 1986	Apr. 1986	May. 1986	Jun. 1986	Jul. 1986	This Report Period	Last Report Period
Zinc (Inf)	1.600	1.075	0.713	0.988	1.038	0.880	1.315	0.950	0.627	0.667	0.713	0.759	0.949	1.314
Zinc (Eff)	0.750	0.662	0.225	0.768	0.375	0.700	0.725	0.655	0.247	0.274	0.278	0.273	0.557	0.776
Pet.Hydro(Eff)	2.0	<1.0	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	NR

TAE000569

AR-5c

SUMMARY OF POTW MONITORING PROGRAM

POTW: Passaic Valley Sewerage Commissioners

	This Reporting Period	Last Reporting Period
1. Number of industrial users (IU) included in POTW monitoring program.	355	355
2. Number of IU's added to POTW monitoring program.	28	30
3. Number of IU's eliminated from POTW monitoring program.	28	36
4. Total number of POTW inspections of IU's.	2261	1810
5. Total number of POTW sampling visits of IU's	4413	1717

COMMENTS:

UPSET, INTERFERENCE, AND PASS-THROUGH ICIDENTS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

Type of Incident	Frequency	Explanation/Reason for Incident(s)	Corrective Action(s) Taken
		None Occurred	

AR-7

SUMMARY OF VIOLATIONS OF LOCAL, STATE AND FEDERAL PRETREATMENT REGULATIONS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

TYPE OF VIOLATION	Number of Users with Violations	
	This Reporting Period	Last Reporting Period
Limit Violation		
- Local	38	47
-State/Federal	51 57	41
Reporting Violation	49 139	50
Compliance Schedule Violation	7 145	2
Spill/Emergency	9	6

COMMENTS:

SUMMARY OF POTW COMPLIANCE ACTIONS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

TYPE OF ACTION	Number of POTW Actions to Obtain Compliance: This Reporting Period	Last Reporting Period
1. Administrative		
a. Notice of Violation (or equivalent)	138	140
b. Issuance of Compliance Schedule	47	55
c. IU Permit/Agreement Modification	0	0
d. IU Permit/Agreement Revocation	0	0
e. Other (describe)	0	0
2. Legal/Judicial		
a. Show Cause Hearing (includes Orders issued)	1	0
b. Fines	0	0
c. Injunction	0	0
d. Civil Penalty	0	0
e. Other (describe)	*1	0

a. Total Cases Continued:	0
b. Total Cases Initiated:	0
c. Total Cases this Period: (a+b)	0
d. Total Cases Resolved:	0
e. Total Cases Outstanding: (c-d)	0

Note: A case may involve several of the actions.

COMMENTS:

*Back charges for carting excessive solids to dumps.

ROBERT J. DAVENPORT
CHAIRMAN

CHARLES A. LAGOS
VICE CHAIRMAN

THOMAS J. CIFELLI
VINCENT CORRADO, SR.
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
DONALD TUCKER
COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

September 19, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Kenneth Goldstein, Section Chief
Industrial Pretreatment Program
Water Quality Management
New Jersey Department of Environmental Protection
P.O. Box CN 029
Trenton, New Jersey 08625

RE: PRETREATMENT PROGRAM ANNUAL REPORT NO. 3

Dear Mr. Goldstein:

Enclosed is the third annual report submitted by Passaic Valley Sewerage Commissioners to your agency. This report covers the one year period from August 1, 1985 through July 31, 1986. As in the past, we will be available to meet with your staff to answer questions or discuss continued efforts to improve this document. By agreement with NJDEP, a separate report will not be required to be submitted in October, as previously requested, since this report is being submitted in September. Please direct any inquiries in reference to this report to Frank D'Ascensio.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

cc: Frank D'Ascensio
Richard Baker, USEPA

RECEIVED
SEP 25 1986
STATE OF NEW JERSEY
DEPT. ENVIRONMENTAL PROTECTION
DIVISION WATER RESOURCES
BUR. OF IND. WASTE MGMT.

copy sent to central file
9/21/87

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ANNUAL POTW PRETREATMENT PROGRAM

REPORT OUTLINE

JULY 1986

State of New Jersey
Department of Environmental Protection
Division of Water Resources
Industrial Pretreatment Section
CN-029 Trenton, NJ 08625

KLL025906

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AR-1

INDUSTRIAL PRETREATMENT PROGRAM ANNUAL REPORT

NJPDES Permit Holder or Sewer Authority Name: Passaic Valley Sewerage Commissioners

Report Date: September 19, 1986

Period Covered by This Report: from 8/1/85 to 7/31/86

Period Covered by Previous Report: from 8/1/84 to 7/31/85

Name of Wastewater Treatment Plant(s)	NJPDES Permit Number
Passaic Valley Sewerage Commissioners	0021016

Person to contact concerning information contained in this report:

Name: Frank P. D'Ascensio

Title: Manager of Pollution & Treatment Control

Mailing Address: 600 Wilson Avenue

Newark, New Jersey 07105

Telephone No.: (201) 344-1800

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete.

Date: September 19, 1986

Signature of Official

Executive Director
Title

KLL025907

PRETREATMENT PROGRAM ANNUAL REPORT NO. 3

AUGUST 1, 1985 THROUGH JULY 31, 1986

II. **Table of Contents** - Not used

III. **Report Summary**

In our previous report we discussed the application of the sulfide waiver for the Leather Tanning Industrial Category (40 CFR 425). Only one of the three original requestors is still eligible. However, the construction of the new line requires approval from the City of Newark. As of July 31, 1986 the approval had not been granted.

The Phase I LEL survey was completed and 33 users were directed to install LEL recorders. All have been installed. The treatment plant observed a dramatic decrease in the number of high LEL incidents, but no doubt the initiation of operation of the new primaries contributed significantly. (See remarks later in this report concerning the Priority Pollutant Scan).

In January, 1986 CFM Inc. completed the Priority Pollutant Scan of the PVSC Influent. This study took 14 months to complete and resulted in a well defined profile of the types and quantities of various organic compounds which enter the treatment plant. The report was completed in May, and copies distributed shortly there after. Although this report will be discussed separately with NJDEP, some comments are worthy of note concerning this report:

(a) There is tremendous variability in the concentration and identity of the compounds;

(b) The volatiles may be orginating from small, one shift type companies rather then large complexes that operate three shifts;

(c) Infrequent grab samples may be inappropriate for use as an enforcement mechanism;

(d) The apparent increase in loading of some pollutants should be studied to determine if it is due to increased use of sanitary sewers for the disposal of hazardous wastes; and

(e) There were no operational upsets in the treatment plant processes which could be associated with any of the compounds detected in the influent;

On February 20, 1986, PVSC adopted Change 6 to the PVSC Rules and Regulations. This change clarified monitoring and reporting requirements, specified temperature requirements for samples and allowed PVSC to approve a substitute mechanism for the flame type LEL recorder. As part of its audit review, NJDEP asked that changes to the PVSC Rules and Regulations be submitted to NJDEP for their approval before being adopted by PVSC. This will be done for all future changes.

During 1986, the Central Metal Recovery Facility project lost most of its participants. USEPA cited several companies for being out of compliance. Other companies that were not in compliance received violation notices from PVSC and were placed on strict timetables for getting into compliance as quickly as possible. Although EPA still supported the concept as a viable alternative, any company that selected this alternative would be required to accept severe penalties if it missed the compliance date. The Corporation has been negotiating with an existing hazardous waste facility in order to speed up the site selection process.

On August 19, 1986, PVSC received a report from NJDEP concerning the on-site Pretreatment Audit which has been conducted in March, 1986. Although the letter was received after the July 31, 1986 cutoff, we are addressing the comments in this report. Enclosure (1) contains our responses to that report.

IV. Industrial Inventory

See Form AR-2.

V. Compliance with Categorical Standards by Industrial Users

See Form AR-3 and AR-4.

As reported in the prior Annual Report Form AR-3, certain users had achieved final compliance before the BMR was completed. This apparent contradiction resulted from a minor technical correction needed to the BMR which kept it from being considered complete. However, the analytical data necessary to demonstrate compliance was complete and it was felt more appropriate to reflect the fact that the user was in compliance, regardless of a minor shortcoming in the BMR.

VI. Monitoring Programs

See Forms AR-5a, AR-5b, AR-5c and AR-6.

There are now 102 users that have installed pH recorders and/or pH control systems as compared with 70 users last year. Our program of placing PVSC pH recorders at companies where a pH problem is suspected to be present has uncovered many more users with pH problems. As pretreatment requirements are implemented, particularly the installation of cyanide destruct systems, it is expected that companies subject to these requirements will need to monitor for pH also.

VII. Compliance/Enforcement Activities

See Form Ar-7 and AR-8

All 47 local limit violations either have been corrected or the violators are under direction to install monitoring and control equipment. All of the companies that are in the process of installing monitoring and control equipment have submitted satisfactory schedules. Most of the companies that are out of compliance with State/Federal regulations have submitted satisfactory compliance schedules to install appropriate equipment. We are following up on two companies that have submitted unsatisfactory schedules.

There were 50 reporting violations during the reporting period. These were primarily from companies that did not submit their periodic compliance reports on time, or from companies that after submitting their compliance reports, had certain deficiencies. It is expected that after a period of education, this type of violation will be reduced. Of the two compliance schedule violations, one company, Seton Leather, has been trying unsuccessfully to get permission from the City of Newark to construct a line directly into the the PVSC interceptor. The installation of this line would enable Seton Leather to comply with the conditions of the sulfide waiver which had been granted by EPA to PVSC.

The other compliance schedule violation resulted from a company that had installed significant pretreatment equipment and, because of the age of the plant, has had a difficult time isolating and directing all the categorical waste water lines. Steady improvement is being made and it is expected that this company will be in compliance within two months.

On July 9, 1986, PVSC received notification that NJDEP had granted its request for a waiver of the petroleum based Oil and Grease limitation. This affects only one company at present. A local limitation is under development which will apply to this company alone.

A review of AR-5 and AR-5b will reveal that heavy metals analyses are not recorded for the entire year. Our old AA machine had deteriorated to the point where we lost faith in the accuracy of the results. A new machine was ordered and is due to be delivered in August, 1986. All samples have been preserved and the analyses will be performed on the new machine. These results will be reported as part of our next annual report.

PVSC personnel continue to cooperate with various law enforcement agencies.

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USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
Auric Fidelity 470 Frelinghuysen Ave. Newark, NJ 07114	Metal Cleaners
BASF Inmont 150 Wagaraw Rd Hawthorne, NJ 07506	Organic Colorants
Beamar Electronics 141 Kearny St. Paterson, NJ 07524	Printed Circuit Boards
Belcrest Inc. 55 Webro Rd Clifton, NJ 07012	Porcelain Etching
Biocraft Labs Inc. 209 McLean Blvd Paterson, NJ 07504	Pharmaceuticals
Bridgeport Specialty Metals 241 Oraton St. Newark, NJ 07104	Specialty Alloys
Brioschi Inc. 19-01 Pollitt Drive - P.O. Box 427 Fairlawn, NJ 07410	Pharmaceuticals
Campbell Foundry 800 Bergen Street Harrison, NJ 07029	Foundry
Champlain Industries 25 Styertowne Rd Clifton, NJ 07012	Brewers Yeast
ChinAm Inc. 177 Third Avenue Paterson, NJ 07514	Mfg. Cardboard

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Dobbs International Services Rt. 70 - 156 Port St. Newark, NJ 07114	Airline Meals
Edison Battery Products 75 Belmont Avenue Belleville, NJ 07109	Primary Batteries
Fine Organics Corp. 205 Main Street Lodi, NJ 07644	Cleaning Compounds
H. Reisman Corp. 377 Crane St. Orange, NJ 07050	Pharmaceuticals
Hartz Mountain Corp. 192 Bloomfield Avenue Bloomfield, NJ 07003	Pet Foods
Kleer Kast Inc., Ampol Division 450 Schuyler Avenue Kearny, NJ 07032	Fabricate Tool Handled
Lummus Crest Inc. 1515 Broad Street Bloomfield, NJ 07003	Pilot Plant Eng.
OMNI Duralite Inc. 2 Barbour Avenue Passaic, NJ 07055	Aluminum Products
Orval Kent Food Company Inc. 164 Madison St. East Rutherford NJ 07073	Salads
Penco of Lyndhurst Inc. 530-540 New York Avenue Lyndhurst, NJ 07071	Analgesic Compounds

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R.H.E. Inc. 53 Rome St. Newark, NJ 07105	Fur Felt Headwear
SICPA NJ Inc. 2 Bridewell Place Clifton, NJ 07014-1029	Printing Inks
Signature Cloth 200 Clifton Blvd Clifton, NJ 07013	Textile Finising
Sky Chefs Brewster Road - Bldg #95 Newark, NJ 07114	Airline Meals
SMS Modern Creative Inc. 35 Market St. Elmwood Park, NJ 07407	Decorate Containers
Stacy Fabrics 38 Passaic St. Woodridge, NJ 07075-0385	Non-Wooven Coated Fabrics
The Dial Corp. 2 Wood St. Paterson, NJ 07524	Detergents & Bleaches
Thorn Inc. T/A Continental Piece Dyeing & Finishing 15-19 First Avenue Paterson, NJ 07524	Textile Piece Goods
TRB Electro Corp. 6 Morris St. P.O. Box 840 Paterson, NJ 07501	ElectroPlating
Vibra-Con Inc. 280 North Avenue Hawthorne, NJ 07506	Plating

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USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Alpha Plastics 1 Jabez St. Newark, NJ 07105	Does not meet criteria to be Classified Ind. user
Astro Plating Co. 130 Whittlesey Ave. West Orange, NJ 07052	Moved to Boonton, NJ
Atlantic Battery Co. 548 East 42nd St. Paterson, NJ 07513	Merged with Power Battery
Bermelon Inc. 225 Pacific St. Newark, NJ 07114	Out of business
C.E. Lummus Co. 1515 Broad St. Bloomfield, NJ 07003	Name change Now Lummus Crest
Continental Piece Dyeing & Finishing 15-19 1st Ave. Paterson, NJ 07524	Name change Now Thorn, Inc. New ownership
Delsaco Foods Inc. 164 Madison St. East Rutherford, NJ 07073	Out of business Now Orval Kent Co. New ownership
Duralite Co. Inc. Two Barbour Ave. Passaic, NJ 07055	Name change Now Omni Duralite
Federal Pacific 150 Ave. L & Herbert St. Newark, NJ 07101	Does not meet criteria to be classified Ind. user
Fidelity Chemical Products 470 Frelinghuysen Ave. Newark, NJ 07114	Name change Now Auric Fidelity

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USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Hawthorne Spring Co. 28 Ninth Ave. Hawthorne, NJ 07506	Name change Now Vibra Con
Hexcel Specialty Chemicals 205 Main St. Lodi, NJ 07644	Name change Now Fine Organics
J. Wiss & Sons 33 Littleton Ave. Newark, NJ 07107	Out of business
Jersey State Chemical Corp. 59 Lee Ave. Haledon, NJ 07508	Out of business
Inmont Corp. 150 Wagaraw Road Hawthorne, NJ 07506	Name change Now BASF Inmont New ownership
Koppel Photo Engraving 153 Central Ave. Hawthorne, NJ 07507	Out of business
Marriot In Flite Rt. 70 - 156 Port St. Newark, NJ 07114	Out of business
McGraw Edison Battery Div. 75 Belmont Ave Belleville, NJ 07109	Name change Now Edison Products
Meisel-Peskin Co. Inc. 44 St. Francis St. Newark, NJ 07105	Out of business
N.J. Laundry Div. Marriott Inc. 25 McLean Blvd. Paterson, NJ 07514	Out of business

KLL025915

USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Nu Craft Industries 33 Spring St. Paterson, NJ 07501	Out of business
Pabst Brewing Co. 400 Grove St. Newark, NJ 07106	Out of business
Penick Corp. 530 New York Ave. Lyndhurst, NJ 07071	Out of business Now Penco New ownership
Purex Corp. Two Wood St. Paterson, NJ 07524	Out of business Now The Dial Corp. New ownership
Pitt Consol 191 Doremus Ave. Newark, NJ 07105	Out of business
Poughkeepsie Finishing Corp. 200 Clifton Blvd. Clifton, NJ 07013	Out of business Now Signature Cloth New ownership
Resistol Hats 53 Rome St. Newark, NJ 07105	Out of business Now R.H.E. New ownership
Rt. 17 Plating 112 River Road Clifton, NJ 07014	Out of business
S G L Modern Creative 25 Market St. Elmwood Park, NJ 07407	Out of business Now SMS Modern Creative New ownership
SICPA North America 25 McLean Blvd. Paterson, NJ 07514	Moved to Clifton Changed name to SICPA of N.J.

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USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Sketchley Services 51 Schley St. Garfield, NJ 07026	Does not meet criteria to be classified Ind. user
Stanley Tools 140 Chapel St. Newark, NJ 07105	Out of business
United Hospitals Orthopedic Center 89 Park Ave. Newark, NJ 07102	Closed
Universal Grain of N.J. 425 South St. Newark, NJ 07105	Out of business
Wiggins Plastics Inc. 180 Kingsland Road Clifton, NJ 07014	Does not meet criteria to be classified as Ind. user
Yeast Products 25 Styertowne Road Clifton, NJ 07012	Out of business Now Champlain Ind. New ownership

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
A. L. Dyers Inc. 36 Seabury St Newark, NJ 07104	Louis Mondejar, President (201) 484-6400	410.44 Sub-Part D	N/A	Y	N/A	N/A
Apollo Dyeing & Finishing Corp. 140 Summer St - P.O. Box 3072 Paterson, NJ 07509	Eugene Baldecchi, Sect./Treas. (201) 684-6376	410.44 Sub-Part D	N/A	Y	N/A	N/A
Baltic Dyeing & Finishing Inc. 35 Eighth Street Passaic, NJ 07055	Anthony Maltese, Secretary (201) 777-6619	410.44 Sub-Part D	N/A	Y	N/A	N/A
Boris Kroll Dyeing Co. 41 State Street Paterson, NJ 07524	John Anderson, Ass't. V.P. (201) 684-4545	410.44 Sub-Part D	N/A	Y	N/A	N/A
Champion Dyeing & Finishing Co. 192 Putnam Street Paterson, NJ 07524	Charles Russalesi, President (201) 345-9506	410.44 Sub-Part D	N/A	Y	N/A	N/A
Columbia Textile Service Inc. 28 Ryle Avenue Paterson, NJ 07509	Adolph Nazzaro, V.P. (201)942-5544	410.44 Sub-Part D	N/A	Y	N/A	N/A
Como Textile Prints Inc. 191 East Railway Avenue Paterson, NJ 07503	M. F. Blanchfield, Plt. Mgr. (201)279-2950	410.44 Sub-Part D	N/A	Y	N/A	N/A

KLL025918

TAF000654

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved	
Coral Dyeing & Finishing Co. 585 East 31st Street Paterson, NJ 07513	Clara Thompson, Controller (201) 278-0272	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Craft Textile Printing Co., Inc. 44 Beech Street Paterson, NJ 07509	H. R. Casparian, President (201) 278-3818	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Dyetex Corp. Two Canal Street Passaic, NJ 07055	J. C. Vendette, President (201) 473-4466	410.44 Sub-Part D 410.54 Sub-Part E	N/A	Y	N/A	N/A	✓
Empire Dyeing Company 250 Belmont Avenue Haledon, NJ 07508	Milton Kaplan, Chemist (201) 942-5200	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
E & W Piece Dye Works Inc. 900 Passaic Avenue East Newark, NJ 07029	Arthur Bruno, President (201) 482-5080	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
International Veiling Corp. 244 Hazel Street Clifton, NJ 07012	Edwin S. Wiley, President (201) 772-3100	410.54 Sub-Part E	N/A	Y	N/A	N/A	✓

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved	
Interstate Dyeing & Finishing Co. 35 Eighth Street Passaic, NJ 07055	Joseph Metzger, V.P. (201) 473-8370	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Leader Dyeing & Finishing 94 Madison Avenue Paterson, NJ 07509	Elaine DeNobile, Office Mgr. (201) 279-9200	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Manner Dyeing & Finishing Co. 293 Morrissee Avenue Haledon, NJ 07508	Patrick Cupo, President (201) 942-8718	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Missbrenner Prints Inc. 211 Mt. Prospect Avenue Clifton, NJ 07013	Alan Roth, Plt. Chemist (201) 777-6410	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Narrotex Corp. 245 Fourth Street Passaic, NJ 07055	Samuel Levin, President (201) 777-1740	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
North Jersey Skein Dyeing Co. 152 Putnam Street Paterson, NJ 07524	Dominic H. Aldi, President (201) 684-6488	410.74 Sub-Part G	N/A	Y	N/A	N/A	
Paragon Dyeing & Finishing Co. 72 Chadwick Street Paterson, NJ 07509	J. Varcadipane, V.P. (201) 278-6800	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Paterson Bleachery & Chemicals 207 East 15th Street Paterson, NJ 07524	Antonio Armenante, President (201) 684-1034	410.44 Sub-Part D	N/A	Y	N/A	N/A
Paul's Dyeing Company One Main Street East Orange, NJ 07018	Ernest P. Gecz, President (201) 484-1121	410.24 Sub-Part B 410.44 Sub-Part D	N/A	Y	N/A	N/A
Perennial Printing Corp. Two East 26th Street Paterson, NJ 07509	Ronald Klaiman, President (201) 279-3558	410.44 Sub-Part D	N/A	Y	N/A	N/A
Signature Cloth Corp. 200 Clifton Blvd. Clifton, NJ 07013	Marcel Touponse, Plt. Mgr. (201) 472-1300	410.44 Sub-Part D	N/A	Y	N/A	N/A
Poughkeepsie Finishing Corp. 48 East 5th Street Paterson, NJ 07509	Frank Centrelli, President (201) 279-1415	410.44 Sub-Part D	N/A	Y	N/A	N/A
Rainbow Dyeing & Finishing Corp. 20-21 Wagaraw Road Fairlawn, NJ 07410	Emil Innocenti, President (201) 423-2044	410.44 Sub-Part D	N/A	Y	N/A	N/A
Renco Mfg. 20-21 Wagaraw Road Fairlawn, NJ 07410	David Rento, President (201) 769-5600	410.44 Sub-Part D	N/A	Y	N/A	N/A

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Textile Mills 40 CFR 410

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved	
Stacy Fabrics 38 Passaic Street Woodridge, New Jersey	J. Hipale Executive Director (201) 779-1121	410.84 Sub-part H	N/A	Y	N/A	N/A	✓
Sunbrite Dye Co., Inc. 35 Eighth Street Passaic, NJ 07055	C. J. Spinella, Gen. Mgr. (201)777-9830	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Textile Piece Dyeing Inc. 451 Fifth Avenue Paterson, NJ 07509	R. C. Westra, V.P. (201) 345-7200	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Thomas Henshall Silk Finishing 52 West Peel Street Paterson, NJ 07524	L. D. VanDerWende, Technical Mgr. (201) 684-4956	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Thorn, Inc. 15-19 First Avenue Paterson, NJ 07524	Frank DeCieceis, Engineer (201) 684-1717	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Trio Dyeing Co., Inc. 440-450 East 22nd Street Paterson, NJ 07509	Joseph Singer, Controller (201) 279-5538	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓
Zenith Dyeing & Finishing Corp. 53 East 23rd Street Paterson, NJ 07509	C. Kuiphoff, Office Mgr. (201) 278-0400	410.44 Sub-Part D	N/A	Y	N/A	N/A	✓

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
A & F Plating 106 Ashland Avenue West Orange, NJ 07052	Frank Chabala, President (201) 736-4344	413.14 Sub-Part A	10/85	N	09/30/86	
Acme Engraving 19 Delaware Avenue Passaic, NJ 07055	Roy Murat, Secretary (201) 778-0885	413.64 Sub-Part F	07/18/85	Y	N/A	08/15/84
Aircraft Engineering Products Two Ackerman Avenue Clifton, NJ 07011	Leo Roth, Plt. Mgr. (201) 777-4737	413.14 Sub-Part A	06/26/85	Y	N/A	06/26/85
Alcaro & Alcaro 112 Pine Street Montclair, NJ 07042	Anthony Alcaro, President (201) 746-1200	413.14 Sub-Part A 413.24 Sub-Part B	02/02/86	N	12/86	
Alfred Heller Heat Treating Co. 5 Wellington Street Clifton, NJ 07014	George DeVos, Vice President (201) 772-4200	413.14 Sub-Part A	10/09/85	N	10/30/86	
American Bumper Corp. 209 Parkhurst Street Newark, NJ 07114	James Halley, Manager (201) 824-0451	413.14 Sub-Part A	08/05/85	Y	N/A	02/04/85

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
American Electro Plating Corp. 342 Lincoln Avenue Hawthorne, NJ 07506	Rudolph Portvliet, President (201) 427-2300	413.14 Sub-Part A	06/19/85	Y	N/A	02/28/84
Andarn Electro Service 72 Michigan Avenue Paterson, NJ 07503	Stephen Bednarz, Vice President (201) 523-2220	413.44 Sub-Part D 413.54 Sub-Part E 413.64 Sub-Part G	06/17/85	Y	N/A	08/15/84
Anodizing Corp. 39 Avenue L Newark, NJ 07105	Jack Lavorgna, President (201) 589-2761	413.44 Sub-Part D	06/17/85	Y	N/A	04/27/84
Astro Plating 130 Whittlesey Avenue West Orange, NJ 07052	L. Cliff Miller, President (201) 731-0333	413.14 Sub-Part A	*	Y	N/A	07/29/86
Aurilyte Process Company 25 McWhorter Street Newark, NJ 07105	Markram Demian, President (201) 344-4434	413.24 Sub-Part B	06/14/85	Y	N/A	06/14/85
Automatic Electroplating 185 Foundry Street Newark, NJ 07105	Jerry Borriello, President (201) 589-0344	413.14 Sub-Part A	08/27/85	N	11/15/86	

* LEAVING SYSTEM SEPTEMBER 1, 1986

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Beamar Electronics 141 Kearny Street Paterson, NJ 07522	Martin Forrest, Vice President 595-9627	413.84 Sub-Part H	*	Y	N/A	05/14/86
Best Plating & Polishing 443 South Tenth Street Newark, NJ 07103	Michael Maykish, President (201) 621-2200	413.14 Sub-Part A	06/21/85	Y	N/A	12/26/84
C. Patti Electroplating 27 First Street Newark, NJ 07107	Carmelo Patti, President (201) 643-2201	413.14 Sub-Part A	07/17/85	Y	N/A	07/23/86
Chrome Art Inc. 23 George Street Newark, NJ 07105	Elton Lima, President (201) 589-8070	413.14 Sub-Part A	10/85	N	10/01/86	
Circuit Manufacturing Corp. 9 St. Francis Street Newark, NJ 07105	Arthur Figueira, Vice President (201) 344-3050	413.84 Sub-Part H	08/14/85	Y	N/A	08/14/85
Comet Finishing 272 Wright Street Newark, NJ 07114	Raymond Pasquale, President (201) 243-1430	413.14 Sub-Part A	06/20/85	Y	N/A	01/02/84

* FLOW DIAGRAM EXPECTED 08/19/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Diamond Hard Chromium 463 NJ Railroad Avenue Newark, NJ 07105	Adolph Dobbs, President (201) 824-9412	413.14 Sub-Part A	08/06/85	Y	N/A	12/28/84
Double D Plating Inc. 52 Garfield Avenue Paterson, NJ 07522	Donald DeSimone, President (201) 742-3982	413.14 Sub-Part A	07/10/85	Y	N/A	02/11/85
Durite Circuit Corp. 141 River Road Nutley, NJ 07110	Roland M. Palumbo, President (201) 667-3033	413.84 Sub-Part H	08/16/85	Y	N/A	08/16/85
E.C. Electroplating 125 Clark Street Garfield, NJ 07026	Salvatore Cusmano, Asst. Gen. Mgr. (201) 340-0227	413.14 Sub-Part A	07/18/85	Y	N/A	07/18/85
Electronic Circuit Corp. 520 Victor Street Saddle Brook, NJ 07662	George Snedecor, President (201) 845-0180	413.84 Sub-Part H	10/04/85	N	08/30/86	
Electronic Processing Corp. 17 Central Avenue Hawthorne, NJ 07506	Wm. VanBlarcom, President (201) 423-3664	413.14 Sub-Part A	07/16/85	Y	N/A	12/31/84

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Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
G & H Metal Finishers 282 Dakota Street Paterson, NJ 07503	George Grimm, President (201) 523-0307	413.14 Sub-Part A	06/25/85	Y	N/A	06/30/85
General Metal & Black Finishers 3 Alva Street Bloomfield, NJ 07003	George Stryker, President (201) 743-7000	413.44 Sub-Part D	07/12/85	Y	N/A	05/16/84
Highland Electroplating 63 Dayton Street Paterson, NJ 07509	Michael Klein, President (201) 278-4567	413.14 Sub-Part A Sub-Part D	06/30/85	Y	N/A	12/31/84
Hy-Grade Electroplating 35 Fourth Street Newark, NJ 07107	Eugene Wagner, President (201) 482-1442	413.14 Sub-Part A	01/14/86	Y	N/A	11/22/85
Ideal Plating & Polishing 681 Main Street Belleville, NJ 07109	R. Knigge, President (201) 759-5559	413.14 Sub-Part A	02/27/85	N	12/86	
Imperial Electroplating Co. 52 Park Avenue Lyndhurst, NJ 07071	Gustave Dotoli, President (201) 667-0037	413.14 Sub-Part A	07/02/85	N	11/15/86	

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Independence Plating Corp. 107 Alabama Avenue Paterson, NJ 07509	Ron Knigge, President (201) 523-1776	413.14 Sub-Part A	07/17/85	N	12/86	
Industrial Hard Chromium 7 Rome Street Newark, NJ 07101	Michael Casenta, Vice President (201) 344-2265	413.14 Sub-Part A	06/25/85	Y	N/A	12/11/84
J.C. Metal Company 8 Avenue B Newark, NJ 07114	Jose DeLime, President (201) 242-1080	413.14 Sub-Part A	02/86	Y	N/A	02/86
Keystone Automotive 24 Legal Street Newark, NJ 07114	Pete Johnson, Gen. Mgr. (201) 248-7644	413.14 Sub-Part A	07/07/85	Y	N/A	07/02/85
Kohinoor Electroplating Corp. 11 Paterson Avenue Wallington, NJ 07057	Amarjett Basra, President (201) 779-4723	413.14 Sub-Part A	07/17/85	Y	N/A	07/21/86
Loisel Manufacturing Corp. 168 Eighth Avenue Paterson, NJ 07514	Steve Tushingham, Vice President (201) 742-7002	413.14 Sub-Part A	07/17/85	Y	N/A	07/17/85

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Manco Metal Finish 390 Park Avenue Newark, NJ 07107	Louis Garcia, President (201) 485-6800	413.14 Sub-Part A	07/08/85	Y	N/A	07/08/85
Mara Polishing & Plating 105-107 Peddie Street Newark, NJ 07108	Don Bellisano, President (201) 242-0800	413.14 Sub-Part A	07/01/85	Y	N/A	07/01/85
Miller & Sons 24 Belleville Avenue Belleville, NJ 07109	Allen Miller, President (201) 759-6445	413.14 Sub-Part A 413.44 Sub-Part D	11/25/85	N	**	
Mottern Polishing & Plating Co. 242 South 12th Street Newark, NJ 07107	Joseph Maykish, President (201) 823-8178	413.14 Sub-Part A	07/18/85	Y	N/A	02/22/85
Moyer Plating 175 Christie Street Newark, NJ 07101	Sean Moyer, Vice President (201) 589-1112	413.14 Sub-Part A	07/09/85	N	09/30/86	
NJ Galvanizing & Tinning 139 Haynes Avenue Newark, NJ 07114	Gerald Gregory, President (201) 242-3200	413.54 Sub-Part E	*	N	N/Avail 86	

* RECENTLY RECLASSIFIED BMR BEING EVALUATED

** SUBJECT EPA ENFORCEMENT. COMPLIANCE SCHEDULE BEING NEGOTIATED

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Nu-Tronic Circuit Co., Inc. 250 East 17th Street Paterson, NJ 07524	Frank Altieri, President (201) 279-3838	413.84 Sub-Part H	06/26/85	N	09/01/86	
Ondecker Metal Finishing 178-182 Emmet Street Newark, NJ 07105	George Ondecker, President (201) 824-1371	413.24 Sub-Part B	06/30/85	Y	N/A	07/16/84
P.N.C., Inc. 115 East Centre Street Nutley, NJ 07110	Renee Gabbai, President (201) 284-1600	413.84 Sub-Part H	07/31/85	N	09/01/86	
Pan-Graphics Inc. 45 Hartmann Avenue Garfield, NJ 07026	Eugene J. Sidor, Controller (201) 478-2100	413.64 Sub-Part F	10/16/85	Y	N/A	10/16/85
Paramount Plating 689 South 16th Street Newark, NJ 07101	Vincent Fuschetti, President (201) 374-7704	413.14 Sub-Part A 413.24 Sub-Part B	06/20/85	Y	N/A	01/03/85
Plating City 347 Ferry Street Newark, NJ 07105	Kenti Patel, President (201) 589-3700	413.14 Sub-Part A	08/07/85	Y	N/A	06/28/85

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Polaris Plating Corp. 200 Keen Street Paterson, NJ 07524	Frank Zemo, President (201) 278-0030	413.14 Sub-Part A	08/16/85	Y	N/A	02/03/85
Precision Products Company Two Llewellyn Avenue Hawthorne, NJ 07506	Charles Vaghasia, President (201) 423-0030	413.84 Sub-Part H	05/06/85	Y	N/A	05/06/85
Precision Prototypes Inc. 255 Midland Avenue Garfield, NJ 07026	Raymond Viventi, Plt. Mgr. (201) 546-6737	413.84 Sub-Part H	01/06/86	Y	N/A	01/06/86
Quality Metal Finishing Corp. 80 George Street Paterson, NJ 07503	Mark S. Leonardis President (201) 345-0963	413.14 Sub-Part A	02/10/86	Y	N/A	02/10/86
Ranno Electroplating Inc. 280 Midland Avenue Saddle Brook, NJ 07662	Philip S. Ranno, President (201) 791-6655	413.14 Sub-Part A	07/30/85	N	12/31/86	
Redi Strip of Newark, Inc. 46 Paris Street Newark, NJ 07105	Eric Emrich Plt. Mgr. (201) 344-2663	413.14 Sub-Part A	01/24/86	Y	N/A	07/01/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Rennie Mfg. & Finishing Corp. 12 Rennie Place Lodi, NJ 07644	Alan Kessinger, President (201) 773-1650	413.14 Sub-Part A	07/17/85	Y	N/A	06/13/86
Reyom Corp. 173 Christie Street Newark, NJ 07105	John Naia, Vice President (201) 589-2232	413.14 Sub-Part A	08/02/85	Y	N/A	01/28/86
Suffern Plating Corp. 210 Garibaldi Avenue Lodi, NJ 07644	Herbert S. Landau, President (201) 473-4404	413.14 Sub-Part A	07/26/85	N	12/86	
Sun Metal Finishing, Inc. 54 Bleeker Street Paterson, NJ 07524	Michael O'Brien, President (201) 684-0119	413.14 Sub-Part A	08/08/85	N	10/13/86	
T.A. Farrell Electroplating 39 Atlantic Street Garfield, NJ 07026	Howard S. Berke, President (201) 340-0357	413.14 Sub-Part A 413.24 Sub-Part B	06/25/85	Y	N/A	06/24/85
Timco Inc. 666 South 16th Street Newark, NJ 07103	Mario Luliano, (201) 374-3729	413.54 Sub-Part E	*	Y	N/A	07/28/86

* RECENTLY RECLASSIFIED - BMR BEING EVALUATED

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
TRB/ALB 6 Morris Street Paterson, NJ 07501	Murray Green, Owner (201) 278-9014	413.44 Sub-Part D	12/18/85	Y	N/A	01/17/86
Trio Plating Co., Inc. 61 Willett Street Passaic, NJ 07055	Harry Gardner, President (201) 845-6804	413.14 Sub-Part A	06/29/85	Y	N/A	07/15/85

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Inorganic Chemicals 40 CFR 415

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Fidelity Chemical Prod. 470 Frelinghuysen Avenue Newark, NJ 07114	M. Bick, President (201) 242-4110	415.367 Sub-Part AJ 415.474 Sub-Part AU	06/20/85	Y	N/A	08/22/84
Heubach 256 Vanderpool Street Newark, NJ 07114	R. Mitchell, V.P. (201) 242-1800	415.344 Sub-Part AH	11/22/82	N	08/22/86	
General Color 24 Avenue B Newark, NJ 07114	J. McNellis, V.P. (201) 248-2575	415.644 Sub-Part BL	04/08/85	N	09/87	
Essex Chemical Corp. 330 Doremus Avenue Newark, NJ 07105	A. Soos, Plt. Eng. (201) 773-6300	415.24 Sub-Part B	08/08/85	Y	N/A	12/06/84

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Iron & Steel Manufacturing 40 CFR 420

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
National Standard 714-716 Clifton Ave Clifton, NJ 07013	Jack Hemsteger Plant Engineer (201) 779-1881	420.95 Sub-Part I (a) (1)	*			

* CLASSIFICATION BEING REVIEWED

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Non-Ferrous Metals Manufacturing 40 CFR 421

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Certified Metals Corp. 175 Entin Road Clifton, NJ 07014	Andrew Brady, Plant Superintendent (201) 778-4848	421.265 Sub-Part X	*			
Engelhard Corporation Specialty Chemicals Division 429 Delancy Street Newark, NJ 07105	Wm. McGregor, V.P. Mfg. (201) 465-6000	421.125 Sub-Part L	08/19/85	N	03/09/87	
		421.265 Sub-Part X	05/27/86	N	09/20/88	
OMI International 75 River Road Nutley, NJ 07110	Albert Arnotsky Manager of Mfging (201) 667-5200	421.265 Sub-Part X	*			

* BMR'S BEING EVALUATED

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Leather Tanning & Finishing 40 CFR 425

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
New Jersey Tanning Co. 410 Frelinghuysen Avenue Newark, NJ 07114	Harold Schwartz, President (201) 824-8324	425.15 Sub-Part A	03/25/85	Y	N/A	11/25/85
Ocean Leather Corp. 42 Garden Street Newark, NJ 07105	Sal Mohan, V.P. (201) 344-1193	425.15 Sub-Part A	07/01/83	N	*	
Seton Leather Company 249 Oraton Street Newark, NJ 07104	William Lee, Enviro. Eng. (201) 485-4800	425.15 Sub-Part A	08/05/85	N	**	

* AWAITING FDF VARIANCE - VIOLATION LETTER SENT
** AWAITING TIE IN TO PVSC INTERCEPTOR - VIOLATION LETTER SENT

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pulp and Paper 40 CFR 430 & 431

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Chin Am 177 Third Avenue Paterson, NJ 07504	J. Shortino Production Supt. (201) 345-1640	430.56 Sub-Part E	*	Y	N/A	07/11/86
Garden State Paper, Inc. 950 River Drive Garfield, NJ 07026	R. Snyder, Tech. Director (201) 772-8700	430.176 Sub-Part Q	*	Y	N/A	01/17/83
Marcal Paper Mills, Inc. One Market Street Elmwood Park, NJ 07407	J. Burt, Tech. Director (201) 796-4000	430.196 Sub-Part S	*	Y	N/A	01/01/86
Newark Boxboard Company 17 Blanchard Street Newark, NJ 07105	R. Dinan, Asst. Supt. (201) 589-6853	430.56 Sub-Part E	*	Y	N/A	02/02/83

*CERTIFICATION OF CONTINUED COMPLIANCE WAS INITIALLY SUBSTITUTED FOR THE BMR. PERIODIC REPORTS HAVE SUBSEQUENTLY SUPPLIED ALL BMR INFORMATION

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not filtered on record

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Meat Products 40 CFR 432

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
American Rendering Corp. 38-42 Bay Avenue Newark, NJ 07105	Seymour Berkowitz, President (201) 589-5994	432.104 Sub-Part J	N/A	Y	N/A	N/A
Best Provisions 144 Avon Avenue Newark, NJ 07108	Morris Dolinko, V.P., (201) 243-1100	432.74 Sub-Part G	N/A	Y	N/A	N/A
Great American Veal 42 Avenue L Newark, NJ 07105	Thomas Burke, President (201) 589-6363	432.24 Sub-Part B	N/A	Y	N/A	N/A
Kohler Delicatessan Meats Inc. 57 Napolean Street Newark, NJ 07105	S. Gittler, Acct. (201)589-3459	432.74 Sub-Part G	N/A	Y	N/A	N/A
Liberty Provisions 200 Piaget Avenue Clifton, NJ 07011	Kurt Manz, Manager (201) 478-4411	432.74 Sub-Part G	N/A	Y	N/A	N/A
Linden Packing Co. 342 Astor Street Newark, NJ 07114	Leonard Fine, President (201) 824-6222	432.24 Sub-Part B	N/A	Y	N/A	N/A
Shofar Kosher Foods Inc. 219-221 Emmet Street Newark, NJ 07114	Leonard Posnack President (201) 242-2434	432.74 Sub-Part G	N/A	Y	N/A	N/A

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Meat Products 40 CFR 432

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Standard Tallow Corp. 1215 Harrison Avenue Kearny, NJ 07032	E. Schonwalter V.P. (201) 997-7550	432.104 Sub-Part J	N/A	Y	N/A	N/A
Van Iderstine Corp. 825 Wilson Avenue Newark, NJ 07105	Evan Tyler, Controller (201) 465-1900	432.104 Sub-Part J	N/A	Y	N/A	N/A

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Arrow Fastners Inc. 271 Mayhill Street Saddle Brook, NJ 07662	Allan Abrams, President (201) 843-5577	433.15 Sub-Part A	08/01/85	N	12/86	
Art Metal USA Inc. 300 Passaic Street Newark, NJ 07101	Charles Snyder, Plt. Mgr. (201) 485-5310	433.15 Sub-Part A	04/09/85	N	9/86	
C.A. Lausberg & Sons Inc. 351 Clinton Street Haledon, NJ 07508	Mrs. M. Lausberg, President (201) 742-2361	433.15 Sub-Part A	08/22/85	Y	N/A	2/86
Canrad Hanovia 100 Chestnut Street Newark, NJ 07105	Tom Gaven, Dir. of Mfg. (201) 539-4300	433.15 Sub-Part A	04/24/86	N	12/86	
Daytona Finishing 59 Wall Street Newark, NJ 07105	Bill Herbert, Hudson Tool & Dye	433.15 Sub-Part A	03/25/86	N	2/87	
Edmar Creations 35 Mohegan Street Clifton, NJ 07013	Jerome Greenberg, Plt. Mgr. (201) 472-8877	433.15 Sub-Part A	09/09/85	N	2/87	

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Gloube Manufacturing Company 300 First Street Harrison, NJ 07029	Philip Schlosser, President (201) 482-2156	433.15 Sub-Part A	06/20/85	N	10/86	
Gordos Corp. 250 Glenwood Avenue Bloomfield, NJ 07003	Gil Yanishevsky, Gen. Mgr. (201) 743-6800	433.15 Sub-Part A	08/16/85	Y	N/A	08/16/85
ITT Avionics 100 Kingsland Road Clifton, NJ 07014	Richard Ullman, Vice President (201) 284-2752	433.15 Sub-Part A	06/28/85	Y	N/A	06/28/85
J.B. Hirsh Company, Inc. 111 Rome Street Newark, NJ 07105	Robert Gray, Vice President (201) 465-0200	433.15 Sub-Part A	09/09/85	Y	N/A	09/09/85
Medin Metal Technology 125 South Street Passaic, NJ 07055	Alva Antrim, Asst Prod. Supv (201) 778-2707	433.15 Sub-Part A	08/09/85	Y	N/A	07/19/85
Presto Lock Corp. 100 Outwater Lane Garfield, NJ 07026	Margaret Segal Chemist (201) 340-1000	433.15 Sub-Part A	08/01/85	N	12/86	
Philips Mfg. 190 Emmet Street Newark, NJ 07101	Richard Friaglia President (201) 824-0400	433.15 Sub-Part A	*			

* BMR BEING EVALUATED

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
T & E Industries 215 Watchung Avenue Orange, NJ 07050	Leonard Box, President (201) 672-5454	433.15 Sub-Part A	10/02/85	Y	N/A	10/02/86
Wallace & Tiernan 25 Main Street Belleville, NJ 07109	R. Murphy, Vice President (201) 759-8000	433.15 Sub-Part A	08/12/85	N	12/86	
Weston Inst. Div. Sangamo Weston 614 Frelinghuysen Avenue Newark, NJ 07114	H. Gogerty, Manager (201) 242-2600	433.15 Sub-Part A	06/22/85	Y	N/A	06/15/84
Westwood Lighting Group 177 Genesse Avenue Paterson, NJ 07503	W. D. Huggins, Vice President (201) 684-8484	433.15 Sub-Part A	09/24/85	Y	N/A	08/21/85
Vibra-Con 280 Ninth Avenue Hawthorne, NJ 07506	Harold Cole Vice President (201) 472-6565	433.15 Sub-Part A	06/12/86	N	10/86	
Little Falls Alloys 189 Caldwell Avenue Paterson, NJ 07501	Orlando Veltri Vice President (201) 278-1666	433.15 Sub-Part A	08/11/86	N	12/19/86	

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Biocraft Labs Inc. 92 Route 46 Elmwood Park, NJ 07407	M. Kaufman, Chief Oper. Mgr. (201) 796-3434	439.46 Sub-Part D	08/30/85	Y	N/A	10/04/84
Biocraft Labs Inc. Route 20 Paterson, NJ	Harmon Aronson Vice President (201) 741-7494	439.46 Sub-Part D	02/07/86	Y	N/A	02/07/86
Brioschi, Inc. 19-01 Pollitt Drive Fairlawn, NJ 07410	M. Brizzolara, President (201) 796-4226	439.46 Sub-Part D	08/11/86	Y	N/A	08/11/86
Chase Chemicals 280 Chestnut Street Newark, NJ 07105	J. Esposito, Dir. of Eng. (201) 589-8181	439.46 Sub-Part D	01/23/86	Y	N/A	01/20/86
Chelsea Labs Inc. 401 Edward Ross Drive Elmwood Park, NJ 07407	Hasmukh Doshi, Gen. Mgr. (201)794-9500	439.46 Sub-Part D	07/30/85	Y	N/A	11/28/84
Hoffmann La Roche 340 Kingsland Street Nutley, NJ 07110	J. Weber, V.P. (201) 235-4824	439.26 Sub-Part B 439.36 Sub-Part C 439.46 Sub-Part D	12/19/84	Y	N/A	05/07/84
Hartz Mountain Corp. 192 Bloomfield Ave Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	439.46 Sub-Part D	*	Y	N/A	02/10/86

* NEED AUTHORIZED SIGNATURE

KLL025944

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Kelama Chemicals, Inc. 290 River Drive Garfield, NJ 07026	H. A. Goel, Tech. Supt. (201) 779-8880	439.36 Sub-Part C 439.26 Sub-Part B	02/17/86	Y	N/A	12/11/85
H. Reisman Co. 377 Crane Street Orange, NJ 07051	J. Harner, Vice President (201) 677-9200	439.36 Sub-Part C 439.46 Sub-Part D	05/23/86	Y	N/A	05/23/86
Material Processing Tech Inc. 95 Prince Street Paterson, NJ 07501	T. Carscadden, Chief Op. Officer (201) 279-4133	439.46 Sub-Part D	07/19/85	Y	N/A	09/13/84
Miles Laboratories Enzyme Products Division 193 Arlington Avenue Clifton, NJ 07015	K. Sproat, Plt. Mgr. (201) 772-4800	439.16 Sub-Part A	07/30/85	Y	N/A	06/12/84
Napp Chemicals Inc. 199 Main Street Lodi, NJ 07644	Loren B Zimmerman, Vice President (201) 773-3900	439.36 Sub-Part C	08/19/85	Y	N/A	06/11/84
Penco of Lyndhurst, Inc. 530-540 New York Avenue Lyndhurst, NJ 07071	Dale Albright, Vice President (201) 935-6600	439.26 Sub-Part B	07/19/85	Y	N/A	11/29/84

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Penick Corp. 158 Mt. Olivet Avenue Newark, NJ 07114	J. Murtha, Dir. Reg. Assurance (201) 242-4001	439.36 Sub-Part C 439.46 Sub-Part D	07/19/85	Y	N/A	10/10/84
Roche Diagnostics 11 Franklin Avenue Belleville, NJ 07109	J. Weber, V.P. (201) 235-4824	439.46 Sub-Part D	12/19/84	Y	N/A	05/07/84
Van Dyk & Company Main & William Street Belleville, NJ 07109	H. Isermann, President (201) 759-3225	439.36 Sub-Part C	08/28/85	Y	N/A	06/06/84

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TAE000682

AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pesticides 40 CFR 455

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Hartz Mountain 192 Bloomfield Ave Bloomfield, NJ 07003	Gilbert Kaye Vice President (201) 743-8500	455.46 Sub-Part C	*			
Givaudan Corp 125 Delawanna Ave. Clifton, NJ 07019	John Angiolini Asst. Director Environmental Protection	455.26 Sub-Part A	07/16/86	Y	N/A	07/16/86
Troy Chemical One Ave. L Newark, NJ	Edward Capasso Director Environmental and Regulatory Affairs (201) 589-2500	455.36 Sub-Part B	*			
Calgon 200 Wagaraw Road Hawthorne, NJ 07507	Earl McDonald Plant Engineer (201) 423-6100	455.26 Sub-Part A	*	Y	N/A	08/11/86

Waiting for analyses and response from deficiency letters

KLL025947

TAE000683

AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Battery Manuf. 40 CFR 461

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Power Battery Company 543 East 42nd Street Paterson, NJ 07513	Wm. Rasmussen, Vice President (201) 523-8630	461.34 Sub-Part C	06/26/85	Y	N/A	06/26/85

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Plastics Molding and Forming 40 CFR 463

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Van Ness Plastic Molding Co., Inc. 555 Cortlandt Street Belleville, NJ 07109	William Van Ness, President (201) 759-6200	463.15 Sub-Part A	N/A	Y	N/A	N/A
Kleer-Kast Inc. Ampol Div. 450 Schuyler Ave. Kearny, NJ 07032	Charles B Robinson Technical Manager (201) 997-1880	463.15 Sub-Part A 463.25 Sub-Part B	N/A	Y	N/A	N/A
Hartz Mountain Corp. 192 Bloomfield Ave. Bloomfield, NJ 07003	Gilbert Kaye Vice President (201) 743-8500	463.35 Sub-Part C	N/A	Y	N/A	N/A
Wallace & Tiernan 25 Main Street Belleville, NJ 07109	R. Murphy Vice President (201) 759-8000	463.15 Sub-Part A	N/A	Y	N/A	N/A

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Moulding and Casting 40 CFR 464

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Campbell Foundry 800 Bergen St. Harrison, NJ 07029	David Jamosz Plant Engineer (201) 483-5480	464.35 Sub-Part H-I	*			

* BMR BEING EVALUATED

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TAE000686

AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Aluminum Forming 40 CFR 467

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Warner Mfg. Company 100 Third Avenue Kearny, NJ 07032	G. Likos, Plt. Mgr. (201) 997-9100	467.35 Sub-Part C	07/19/85	Y	N/A	07/19/85

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TAE000687

AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Copper Forming 40 CFR 468

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Little Falls Alloys 189 Caldwell Avenue Paterson, NJ 07501	Orlando Veltri, V.P. (201) 278-1666	468.10 Sub-Part A	09/23/85	N	12/86	
Okonite Company Canal & Jefferson Sts. Passaic, NJ 07055	Peter Hartmann, Plt. Eng. (201) 825-0300	468.10 Sub-Part A	05/23/84	Y	N/A	05/23/84

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electrical & Electronic Comp. 40 CFR 469

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Power Tech 0-02 Fairlawn Avenue Fairlawn, NJ 07410	Joseph Valley, Plt. Eng. (201) 791-5050	469.16 Sub-Part A	08/23/85	Y	N/A	08/23/85

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COMPLIANCE WITH CATEGORICAL STANDARDS

Industrial Category	40 CFR Part	Number of Industries						
		Total in Category	BMRs Received	BMRs Complete	In Compli-ance	Out of Compl. Under Schedule	Under Review	Final Compl. Report Received
Electroplating	413	62	62	58	45	17	4	58
Iron and Steel	420	1	*	0	0	0	1	0
Inorganic Chemicals	415	4	4	4	2	2	0	3
Textile Mills	410	34	N/A	N/A	34	0	0	0
Petroleum Refining	419	0	-	-	-	-	-	-
Pulp and Paper	430 431	4	4	4	4	0	0	4
Steam Electric	423	0	-	-	-	-	-	-
Leather Tanning	425	3	3	3	1	2	0	3
Porcelain Enameling	466	0	-	-	-	-	-	-
Coil Coating	465	0	-	-	-	-	-	-
Electrical and Electronic Comp.	469	1	1	1	1	0	0	1
Metal Finishing	433	19	19	18	8	10	1	17
Copper Forming	468	2	2	2	1	1	0	0
Aluminum Forming	467	1	1	1	1	0	0	0
Pharmaceuticals	439	16	16	15	16	0	1	0
Nonferrous Metals Manufacturing	421	3	3	1	0	1	2	0
Battery Manuf.	461	1	1	1	1	0	0	0
Plastics Molding and Forming	463	4	N/A	N/A	4	0	0	0
Metal Molding & Forming	464	1	1	0	0	0	1	0
Pesticides	455	4	4	1	2	0	2	0
Meat Products	432	9	N/A	N/A	9	0	0	0

KLLU25954

* Classification being reviewed

ANALYTICAL DATA SUMMARY POTW: PVSC NJPDES No.: 0021016

	Parameter	Aug. 1985	Sept. 1985	Oct. 1985	Nov. 1985	Dec. 1985	Jan. 1986	Feb. 1986	Mar. 1986	Apr. 1986	May. 1986	Jun. 1986	July. 1986	Yearly Averag This Report Period	Yearly Averag Last Report Period
		MONTHLY AVERAGE VALUES													
REQUIRED	POTW Flow (MGD)	208	208	206	206	206	216	231	206	239	224	208	211	214	205
	BOD_5 (influent)	257	258	299	282	282	295	276	270	292	289	286	285	281	307
	BOD_5 (effluent)	45	58	41	24	24	28	29	24	34	34	28	22	33	36
	TSS (influent)	505	505	460	413	413	430	402	404	418	472	428	465	443	472
	TSS (effluent)	33	34	25	23	23	43	43	25	24	31	25	29	30	28
	pH (influent-Max)	7.4	8.5	8.1	7.9	7.9	8.4	8.4	8.4	7.1	7.2	7.6	6.6	7.8	7.5
	pH (influent-Min)	6.2	6.4	6.3	6.2	6.2	6.5	6.0	6.4	6.4	6.3	6.2	8.2	6.4	6.7
	Oil & Grease (inf)	46	50	50	36	44	24	40	38	58	52	39	58	45	NR
	Oil & Grease (eff)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	COD (influent)	797	814	840	773	716	761	751	714	763	773	759	729	766	818
	COD (effluent)	226	245	219	198	162	185	222	168	180	198	196	152	196	213
	Cadmium (Inf)	0.016	0.021	0.016	0.022	0.020	0.023	0.017	0.017						0.02
	Cadmium (Eff)	0.003	0.003	0.004	0.006	0.006	0.008	0.007	0.006						0.01
	Chromium (Inf)	0.592	0.600	0.663	0.425	0.745	0.247	0.284	0.313						0.58
	Chromium (Eff)	0.077	0.144	0.167	0.109	0.101	0.095	0.091	0.103						0.13
	Copper (Inf)	0.440	0.350	0.312	0.295	0.240	0.268	0.236	0.250						0.49
	Copper (Eff)	0.077	0.065	0.069	0.061	0.038	0.056	0.055	0.051						0.10
	Lead (Inf)	0.550	0.394	0.530	0.360	0.610	0.590	0.280	0.245						0.76
	Lead (Eff)	0.055	0.040	0.073	0.060	0.059	0.070	0.045	0.020						0.11
	Mercury (Inf)	0.007	0.005	0.008	0.016	0.004	0.004	0.0050	0.0050	0.0050	0.0050	0.0035	0.0120	0.007	0.01
	Mercury (Eff)	0.001	0.001	0.002	0.002	0.001	0.0001	0.0009	0.0015	0.0012	0.0004	0.0009	0.0015	0.001	0.01
	Nickel (Inf)	0.175	0.208	0.184	0.184	0.114	0.131	0.139	0.158						0.25
	Nickel (Eff)	0.132	0.163	0.154	0.146	0.105	0.119	0.148	0.173						0.20
SQAR	Arsenic	5.03	6.44	5.57	7.91	10.67	8.86	4.21	4.71	9.59					6.87
	Cadmium	51	43	68	66	71	68	57	62	68					77.6
	Chromium	1068	1135	1580	1010	1017	1092	536	776	781					1396
	Copper	1235	1125	912	818	975	728	1676	719	777					1350
	Lead	1493	1500	1900	1650	1958	3100	2050	1150	2200					2887
	Mercury	8.9	8.0	18.3	14.6	10.4	8.4	7.1	15.6	17.0	12.0	7.1	10.9	11.5	17.7
	Nickel	121.0	94.2	120.5	97.6	105.2	90.3	94.8	109.3	107.2					156.4
	Zinc	2175	2025	2800	2100	1375	1642	1735	1680	2335					195.4
	Cyanide	4.9	4.0	4.9	11.0	8.1	21.5	23.2	13.5	20.1	21.7	22.7	33.5	15.76	12.9

1. Insert the monthly headings at the top of the columns for the 12 months covered by the Annual Report.
2. Unless otherwise indicated, report liquid analyses in mg/l, sludge analyses in mg/kg, and pH in Standard Units.
3. Insert N.R. in the table for any parameter you are not required to analyze for.

TAF000601

ANALYTICAL DATA SUMMARY POTW: PVSC NJPDES No.: 0021016 _ of 2

Parameter	Aug. 1985	Sept. 1985	Oct. 1985	Nov. 1985	Dec. 1985	Jan. 1986	Feb. 1986	Mar. 1986	Apr. 1986	May. 1986	Jun. 1986	Jul. 1986	Yearly Average This Report Period	Yearly Average Last Report Period
	MONTHLY AVERAGE VALUES													
Zinc (Inf)	1.600	1.075	0.713	0.988	1.038	0.880	1.315	0.950						1.314
Zinc (Eff)	0.750	0.662	0.225	0.768	0.575	0.700	0.725	0.655						0.776
Pet.Hydro(Eff)	2.0	<1.0	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0	NR

TAF000692

AR-5c

SUMMARY OF POTW MONITORING PROGRAM

POTW: Passaic Valley Sewerage Commissioners

	This Reporting Period	Last Reporting Period
1. Number of industrial users (IU) included in POTW monitoring program.	355	361
2. Number of IU's added to POTW monitoring program.	30	30
3. Number of IU's eliminated from POTW monitoring program.	36	25
4. Total number of POTW inspections of IU's.	1810	853
5. Total number of POTW sampling visits of IU's	1717	2267

COMMENTS:

KLL025957

UPSET, INTERFERENCE, AND PASS-THROUGH ICIDENTS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

Type of Incident	Frequency	Explanation/Reason for Incident(s)	Corrective Action(s) Taken
		None Occurred	

KLL025958

AR-7

SUMMARY OF VIOLATIONS OF LOCAL, STATE AND FEDERAL PRETREATMENT REGULATIONS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

TYPE OF VIOLATION	Number of Users with Violations	
	This Reporting Period	Last Reporting Period
Limit Violation		
- Local	47	33
-State/Federal	41	0
Reporting Violation	50	0
Compliance Schedule Violation	2	0
Spill/Emergency	6	11

COMMENTS:

KLL025959

SUMMARY OF POTW COMPLIANCE ACTIONS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

TYPE OF ACTION	Number of POTW Actions to Obtain Compliance	
	This Reporting Period	Last Reporting Period
1. Administrative		
a. Notice of Violation (or equivalent)	140	33
b. Issuance of Compliance Schedule	55	16
c. IU Permit/Agreement Modification	0	13
d. IU Permit/Agreement Revocation	0	0
e. Other (describe)	0	0
2. Legal/Judicial		
a. Show Cause Hearing (includes Orders issued)	0	2
b. Fines	0	2
c. Injunction	0	0
d. Civil Penalty	0	0
e. Other (describe)	0	0

a. Total Cases Continued:	0
b. Total Cases Initiated:	0
c. Total Cases this Period: (a+b)	0
d. Total Cases Resolved:	0
e. Total Cases Outstanding: (c-d)	0

Note: A case may involve several of the actions.

COMMENTS:

KLL025960

ROBERT J. DAVENPORT
CHAIRMAN

CHARLES A. LAGOS
VICE CHAIRMAN

THOMAS J. CIFELLI
VINCENT CORRADO, SR.
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
DONALD TUCKER
COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

E. DARMSTATTER
CLERK

RECEIVED
DEC 1 6 1986
DEP
DIVISION WATER RESOURCES
BUR. OF IND. WASTE MGMT.

December 10, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. William Boehle, Acting Chief
Industrial Pretreatment Section
New Jersey Department Environmental Protection
CN-029
Trenton, New Jersey 08625

RE: PRETREATMENT PROGRAM ANNUAL REPORT NO. 3

Dear Mr. Boehle:

Item 5 of your 1986 Pretreatment Program/On Site Audit referred to the requirement that PVSC publish a list of significant violators on an annual basis. The purpose of this letter is to notify you that this requirement was met on November 20, 1986. Enclosed is a copy of a notice that was published in three New Jersey newspapers, The Herald News, The Record and The Star Ledger.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

cc: Frank P. D'Ascensio
Richard Baker, USEPA

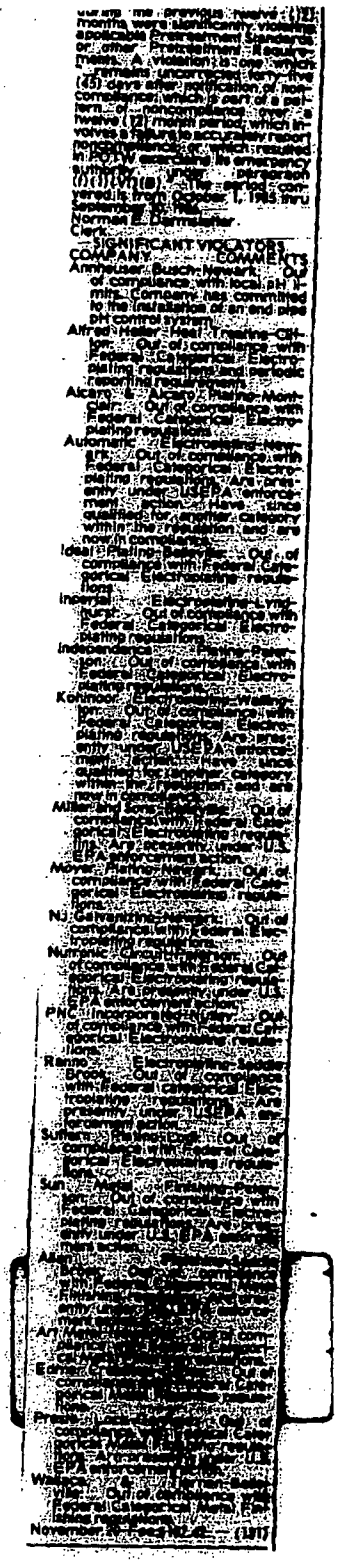
Enclosure

KLL025961

TAF000697

during the previous twelve (12) months were significantly violating applicable Pretreatment Standards or other Pretreatment Requirements. A violation is one which remains uncorrected forty-five (45) days after notification of noncompliance; which is part of a pattern of noncompliance over a twelve (12) month period; which involves a failure to accurately report noncompliance; or which resulted in POTW exercising its emergency authority under paragraph (f)(1)(vi)(B). The period covered is from October 1, 1985 thru September 30, 1986.

Norman E. Darmstetter
Clerk



SIGNIFICANT VIOLATORS

COMPANY	COMMENTS
Annheuser Busch-Newark	Out of compliance with local pH limits. Company has committed to the installation of an end pipe pH control system.
Alfred Heller Heat Treating-Clifton	Out of compliance with Federal Categorical Electroplating regulations and periodic reporting requirements.
Alcaro & Alcaro Plating-Montclair	Out of compliance with Federal Categorical Electroplating regulations.
Automatic Electroplating-Newark	Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action. Have since qualified for another category within the regulation and are now in compliance.
Ideal Plating-Belleville	Out of compliance with Federal Categorical Electroplating regulations.
Imperial Electroplating-Lyndhurst	Out of compliance with Federal Categorical Electroplating regulations.
Independence Plating-Paterson	Out of compliance with Federal Categorical Electroplating regulations.
Kohinoor Electroplating-Wallington	Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action. Have since qualified for another category within the regulation and are now in compliance.
Miller and Sons-Belleville	Out of compliance with Federal Categorical Electroplating regulations. Are presently under U.S. EPA enforcement action.
Moyer Plating-Newark	Out of compliance with Federal Categorical Electroplating regulations.
NJ Galvanizing-Newark	Out of compliance with Federal Electroplating regulations.
Numonic Circuit-Paterson	Out of compliance with Federal Categorical Electroplating regulations. Are presently under U.S. EPA enforcement action.
PNC Incorporated-Nutley	Out of compliance with Federal Categorical Electroplating regulations.
Ranno Electroplating-Saddle Brook	Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action.
Suffern Plating Co.	Out of compliance with Federal Categorical Electroplating regulations.
Sun Metal Finishing-Paterson	Out of compliance with Federal Categorical Electroplating regulations. Are presently under U.S. EPA enforcement action.
Allan [illegible]	Out of compliance with Federal Categorical Metal Finishing regulations. Are presently under [illegible] enforcement action.
Art Metal [illegible]	Out of compliance with Federal Categorical [illegible] regulations.
Edmar [illegible]	Out of compliance with Federal Categorical Metal Finishing regulations.
Presto Lock [illegible]	Out of compliance with Federal Categorical Metal Finishing regulations. Are presently under U.S. EPA enforcement action.
Wallace & Tiernan-Belleville	Out of compliance with Federal Categorical Metal Finishing regulations.

November 29, Fee $[illegible] (131)

County of Bergen. } ss.:

Apolinar Reyes

of the said County, being duly sworn, say that he/she is Accounting Clerk for The Record, a newspaper published and printed in Hackensack, in the County of Bergen aforesaid, and that the notice of which the annexed is a printed copy, was published in the said newspaper on Nov. 20, 1986

being one time weeks successively, at least one in each week.

Sworn and subscribed to before me this 20 day of Nov. A. D. 86

Notary Public of N. J.

NOREEN A. JACKSON
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES FEB. 18, 1991

KLL025961

TAE000698

ROBERT J. DAVENPORT
CHAIRMAN
CHARLES A. LAGOS
VICE CHAIRMAN
THOMAS J. CIFELLI
VINCENT CORRADO, SR.
RICHARD M. GIACOMARRO, SR.
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COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR
JAMES M. PIRO
CHIEF COUNSEL
DONALD E. DARMSTATTER
CLERK

RECEIVED
DEC 1 6 1986
DEP
DIVISION WATER RESOURCES
BUR. OF IND. WASTE MGMT.

December 10, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. William Boehle, Acting Chief
Industrial Pretreatment Section
New Jersey Department Environmental Protection
CN-029
Trenton, New Jersey 08625

RE: PRETREATMENT PROGRAM ANNUAL REPORT NO. 3

Dear Mr. Boehle:

Item 5 of your 1986 Pretreatment Program/On Site Audit referred to the requirement that PVSC publish a list of significant violators on an annual basis. The purpose of this letter is to notify you that this requirement was met on November 20, 1986. Enclosed is a copy of a notice that was published in three New Jersey newspapers, The Herald News, The Record and The Star Ledger.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

cc: Frank P. D'Ascensio
Richard Baker, USEPA

Enclosure

KLL025963

PUBLIC NOTICE

In accordance with [illegible] Regulations [illegible] required by the Pa[illegible] Sewerage Commission [illegible] lish a list of industrial [illegible] during the previous twelve (12) months were significantly violating applicable Pretreatment Standards or other Pretreatment Requirements. A violation is one which remains uncorrected forty-five (45) days after notification of noncompliance; which is part of a pattern of noncompliance over a twelve (12) month period, which involved a failure to accurately report noncompliance; or which resulted in POTW exercising its emergency authority under paragraph (f)(1)(vi)(B). The period covered is from October 1, 1985 thru September 30, 1986.

Norman E. Dermeister
Clerk

SIGNIFICANT VIOLATORS
COMPANY — COMMENTS

Annapolis Butchcheprark — Out of compliance with local permits. Company has committed to the installation of an end pipe pH control system.

Alfred Heller Metal Treating-Carlstadt — Out of compliance with Federal Categorical Electroplating regulations and periodic reporting requirements.

Alcaro — Alcaro Plating-Montclair — Out of compliance with Federal Categorical Electroplating regulations.

Automatic — Electroplating-Newark — Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action. Have since qualified for another category within this regulation and are now in compliance.

Ideal — Plating-Belleville — Out of compliance with Federal Categorical Electroplating regulations.

Imperial — Electroplating-Livingston — Out of compliance with Federal Categorical Electroplating regulations.

Independence — Plating-Perth Amboy — Out of compliance with Federal Categorical Electroplating regulations.

Kovinor — Electroplating-Wayne — Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action. Have since qualified for another category within this regulation and are now in compliance.

Millecast Corp. — Carlstadt — Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action.

Meyer — Plating-Newark — Out of compliance with Federal Categorical Electroplating regulations.

N.J. Galvanizing — Newark — Out of compliance with Federal Electroplating regulations.

Nuronic — Circuit Fabrication — Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action.

P.N.C. Incorporated — Hackensack — Out of compliance with Federal Categorical Electroplating regulations.

Renne — Electroplating-Saddle Brook — Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action.

Suffern — Plating-Local — Out of compliance with Federal Categorical Electroplating regulations.

Sussex — Metal Finishing-Franklin — Out of compliance with Federal Categorical Electroplating regulations. Are presently under USEPA enforcement action.

Allan — Plating-Saddle Brook — Out of compliance with Federal Categorical Metal Finishing regulations. Are presently under USEPA enforcement action.

Art Metal-Newark — Out of compliance with Federal Categorical Metal Finishing regulations.

Edmar Engineering-Dover — Out of compliance with Federal Categorical Metal Finishing regulations.

Presto — Plating-Newark — Out of compliance with Federal Categorical Metal Finishing regulations. Are presently under USEPA enforcement action.

Wallace — Plating-Belleville — Out of compliance with Federal Categorical Metal Finishing regulations.

November 20, 1986 NJ.A. — (131)

State of New Jersey,
County of Bergen. } ss.:

Apolinar Reyes

of the said County, being duly sworn, say that he/she is

Accounting Clerk for The Record, a newspaper published and printed in Hackensack, in the County of Bergen aforesaid, and that the notice of which the annexed is a printed copy, was published in the said newspaper on Nov. 20, 1986

being one time weeks successively, at least one in each week.

Sworn and subscribed to before me this 20 day of Nov. A. D. 86

Notary Public of N. J.

NOREEN A. JACKSON
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES FEB. 18, 1991

KLL025964

TAE000700

ROBERT J. DAVENPORT
CHAIRMAN

CHARLES A. LAGOS
VICE CHAIRMAN

THOMAS J. CIFELLI
VINCENT CORRADO, SR.
RICHARD M. GIACOMARRO, SR.
KENNETH W. HAYDEN
DONALD TUCKER
COMMISSIONERS

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

September 19, 1986

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Kenneth Goldstein, Section Chief
Industrial Pretreatment Program
Water Quality Management
New Jersey Department of Environmental Protection
P.O. Box CN 029
Trenton, New Jersey 08625

RE: PRETREATMENT PROGRAM ANNUAL REPORT NO. 3

Dear Mr. Goldstein:

Enclosed is the third annual report submitted by Passaic Valley Sewerage Commissioners to your agency. This report covers the one year period from August 1, 1985 through July 31, 1986. As in the past, we will be available to meet with your staff to answer questions or discuss continued efforts to improve this document. By agreement with NJDEP, a separate report will not be required to be submitted in October, as previously requested, since this report is being submitted in September. Please direct any inquiries in reference to this report to Frank D'Ascensio.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

cc: Frank D'Ascensio
Richard Baker, USEPA

RECEIVED
SEP 2 5 1986
STATE OF NEW JERSEY
DEPT. ENVIRONMENTAL PROTECTION
DIVISION WATER RESOURCES
BUR. OF IND. WASTE MGMT.

KLL025965

TAE000701

Central File
Pretreatment
21

CHARLES A. LAGOS
CHAIRMAN

VINCENT CORRADO, SR.
VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
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DONALD TUCKER

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600 WILSON AVENUE
NEWARK, N. J. 07105
(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

Rec'd 9/19/88

September 16, 1988

Mary Jo. Aiello
NJDEP-DWR
CN-029
Trenton, New Jersey 08625

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RE: PRETREATMENT PROGRAM ANNUAL REPORT NUMBER 5

Dear Ms. Aiello:

Enclosed is the fifth annual report submitted by Passaic Valley Sewerage Commissioners to your agency. This report covers the one year period from August 1, 1987 through July 31, 1988. As in the past, we will be available to meet with your staff to answer questions or discuss continued efforts to improve our pretreatment program.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

Enclosure

cc: Robert Davenport, Deputy Executive Director
Frank D'Ascensio
Richard Baker, USEPA

KLL026042

CHARLES A. LAGOS
CHAIRMAN

VINCENT CORRADO, SR.
VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
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(201) 344-1800

CARMINE T. PERRAPATO
EXECUTIVE DIRECTOR

JAMES M. PIRO
CHIEF COUNSEL

NORMAN E. DARMSTATTER
CLERK

September 16, 1988

Mary Jo. Aiello
NJDEP-DWR
CN-029
Trenton, New Jersey 08625

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RE: PRETREATMENT PROGRAM ANNUAL REPORT NUMBER 5

Dear Ms. Aiello:

Enclosed is the fifth annual report submitted by Passaic Valley Sewerage Commissioners to your agency. This report covers the one year period from August 1, 1987 through July 31, 1988. As in the past, we will be available to meet with your staff to answer questions or discuss continued efforts to improve our pretreatment program.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato,
Executive Director

CTP/mc

Enclosure

cc: Robert Davenport, Deputy Executive Director
Frank D'Ascensio
Richard Baker, USEPA

KLL026043

ANNUAL POTW PRETREATMENT PROGRAM

REPORT OUTLINE

JULY 1988

State of New Jersey
Department of Environmental Protection
Division of Water Resources
Industrial Pretreatment Section
CN-029 Trenton, NJ 08625

KLL026044

TAE000704

AR-1

INDUSTRIAL PRETREATMENT PROGRAM ANNUAL REPORT

NJPDES Permit Holder or Sewer Authority Name: Passaic Valley Sewerage Commissioners

Report Date: September 16, 1988

Period Covered by This Report: from 08/01/87 to 07/31/88

Period Covered by Previous Report: from 08/01/86 to 07/31/87

Name of Wastewater Treatment Plant(s)	NJPDES Permit Number
Passaic Valley Sewerage Commissioners	0021016

Person to contact concerning information contained in this report:

Name: Frank P. D'Ascensio

Title: Manager of Industrial & Pollution Control

Mailing Address: 600 Wilson Avenue

Newark, New Jersey 07105

Telephone No.: (201) 344-1800

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete.

Date: September 16, 1988

Signature of Official

Executive Director
Title

KLL026045

Pretreatment Program Annual Report Number 5

August 1, 1987 through July 31, 1988

II **Table of Contents** - Not used

III **Report Summary**

During this reporting period Passaic Valley Sewerage Commissioners determined that sufficient progress toward compliance had not been demonstrated by certain companies. In addition, other companies invested large sums of money in order to achieve compliance but were still in violation. With this in mind, the Commissioners directed that legal action be instituted against 5 companies. Subsequently, 6 more companies were added to the list. In addition, legislation was introduced in the State Legislature to increase the maximum limit for fines to $1,000 per day.

PVSC commenced field sampling with the portable gas chromatograph during the second quarter. We found that the instrument provided excellent screening capability for volatile organics and in one case we were able to trace these emissions to the source.

We received a questionaire from the General Accounting Office titled "Survey of National Pretreatment Program". We were able to convince them to allow us to use the DEP Annual Report cutoff rather than the arbitrary one they selected. This would ensure that data submitted to both agencies would be the same.

We have had excellent success in implementing our Pretreatment Management Information System (PMIS) and have included some examples. We are designing further applications and are planning the purchase of additional workstations.

Two studies are underway, one to address effluent toxicity, the other to develop land based alternatives for sludge disposal. Local limits will be promulgated as necessary to meet state requirments. We will continue to gather information so that implementation of these local limits will proceed efficiently.

During the fourth quarter PVSC began to receive the municipal flows from Totowa, followed by West Paterson and then the remainder of Little Falls. There is one unknown and it concerns the impact that may be felt from these new communities as well as the others that will be entering the PVSC system. We are awaiting analytical information which will help us in assessing the potential impact.

As part of our preliminary work to develop a local limit for heavy metals, we conducted a 30 day sampling program during April and May. We sampled 32 outlets every working day for 30 consecutive days, the samples were preserved daily and then a monthly composite was analyzed for each company. We then used the average daily discharge volume to calculate the total pounds per day. We were able to locate substantial amounts of 3 of the heavy metals. Appendix A contains a detailed summary. It is worthy to note that we suspect one user of interfering with the sampling program and are setting up to sample downstream without his knowledge.

We also determined that the Cyanide Amenable (CN)(A) Limitation required the use of the Cyanide Total (CN)(T) test as well. The CN (T) quantity could never be less than the CN (A) quantity and we petitoned DEP to permit the use of the CN (T) test to demonstrate compliance with the CN (A) limitation. This was approved and will eliminate an essentially unnecessary test. However, the CN (A) analysis would still be required if the CN (T) results exceeded the CN (A) limitations.

PVSC monitors its influent and effluent daily for the conventional pollutants, while the sludge is monitored monthly. Monthly composites of influent, effluent and sludge are analyzed for heavy metals. The influent was anlyzed for the priority pollutants in April and a copy of the report was sent to DEP on June 14, 1988. We will include the 1989 analysis in the next Annual Report. Finally, a quarterly bioassy is performed on the sludge and the effluent.

At present, department personnel conduct comprehensive inspections once a year at all categorical users using a new check off list. A copy is enclosed for your review. We also schedule site visits at least monthly to review the previous months operational records from installed pretreatment/monitoring systems. We also witness annual calibrations of installed flow metering devices, although some users calibrate the units more frequently. Non-categorical users are inspected generally at the same frequency as categorical users.

PVSC samples the regulated users for compliance with both categorical and local limits. At a minimum, we take annual 4 day composite samples for metals, up to as many as 600 samples a year. As stated eleswhere, the 4 samples were composited into one and resulted in 153 samples being analyzed for the metals. Due to the variability and expense of the analyses for organics, we try to minimize the number of samples taken, the minimum being once a year.

We are presently designing a computer application which will enable us to track the various types of pretreatment or monitoring facilities quicker for scheduling inspections.

Although we felt very comfortable with our success in reducing the levels of heavy metals entering the plant, we were concerned with the unanticipated increase in some of the metals at the end of 1987. Rather than over react we continued to check the data and when it was apparent that the levels had not returned to the lower levels, we instituted the extensive metal survey referred to earlier. While it was helpful, it did not enable us to locate all the sources, particulary the sources of zinc. Despite this, the levels of metals in the influent, effluent and sludge remain quite low, or located in great part, awaiting the development of a suitable local limit.

Although we have more than 5 years of analytical data from the existing, contributing communities, we do not have, nor will we be able to get, equal amounts of data from some of the new communities which will be connecting soon. This is a great unknown, and there is no way to predict the impact. We do know that there will be a greater level of effort required to bring those users on par with the existing ones.

We see the pretreatment program becoming more complex and are encouraging employees to further their technical education. Illegal discharges are becoming more sophisticated and we must keep pace. The DEP should establish, either alone or in conjunction with a respected organization like AANJ, a regular schedule of meetings or workshops, attended by POTW personnel. These meetings should be geared to the technical aspects of pretreatment from the basic, "how to" type of information to the broad, policy type. Those POTW's who have problems or have successfully solved them can exchange information. In addition, POTWs from beyond New Jersey could be invited to review specific issues of interest or concern.

The greater interrelationships at the POTW in dealing with pretreatment, POTW effluent and sludge disposal make it more important that the myriad departments at DEP coordinate their activities. DEP should encourage companies engaged in ECRA cleanups to contact the POTW in order to get the conditions under which contaminated groundwater would be permitted to be discharged. This is especially important when POTW's are trying to deal with effluent toxicity or VOC emissions at the treatment plant. DEP will need to plan, for additional hazardous waste disposal capacity which will arise as more POTWs enact local limits. If this is not done, more illegal disposal is likely to take place and the POTW may wind up receiving the untreated substances from someplace else.

IV **Industrial Inventory** - See Form AR-2

We anticipate that the addition of several new communities and large portions of others will significantly affect the industrial inventory.

Summary

(a)	number of categorical industries.....	199 *
(b)	number of significant/major, non categorical industries.....	111
(c)	number of other non domestic industries.....	52
		362

* Nine industries are subject to more than one categorical regulation.

V. **Compliance with Categorical Standards by Industrial Users** - See Forms AR-3, AR-4 and AR-4A

All but eight categorical users are in compliance. Lawsuits are in progress on seven of these. Of the seven, five categorical users have never been in compliance. Two companies initially were in compliance but subsequently violated categorical standards. Planned action against the eighth company is awaiting new analytical data. Section VII describes the enforcement activities being taken. As in the past we sent out form letters reminding categorical users of the semi-annual reporting deadline. However, 9 users still failed to supply complete reports and received violation notices. As stated in the prior report, AR-4A contains a list of categorical users who would be covered but are not because they have zero discharge.

VI **Monitoring Program** - See Forms AR-5a, AR-5b, AR-5c, and AR-6

There are now 132 users that have installed pH recorders and/or pH, control sytems. There are now 37 users that have installed LEL recorders and 13 have installed LEL pretreatment systems. We continue to use our own pH and LEL recorders to check questionable users. Since most communities have been surveyed, we do not anticipate large increases in the numbers in the future.

The portable gas chromatograph (GC) has proved very useful and efficient in tracing VOC's and in locating sources. In one instance, involving odors which affected access to a sewer , we used it to eliminate some sites and locate the source. We then took liquid samples to confirm the results. We are planning to purchase an additional gas cylinder which will enable us to run a blank just after calibration and before sampling the unknown. This should enable us to use the GC itself for enforcement and reduce the need for VOC liquid analyses. Although the instrument with its computer costs about $21,000 (1987 dollars), we feel it has two major advantages: one, it gives real time data which allows for virtually instantaneous response; two, it allows substantial savings in that only those samples known to be contaminated, need to be analyzed.

VII **Compliance/Enforcement Activities** - See Forms AR-7, and AR-8

As can be seen, all but eight categorical users are in compliance. Lawsuits have been filed in Superior Court, Essex County against the following categorical users for violation of categorical standards:

Alfred Heller Heat Treating Co.
Manco Plating
NSC Plating and Polishing Co.
Seton Co.

In addition, a lawsuit has been filed against the following non-categorical user for violation of local standards:

Orval Kent Food Co.

Finally, lawsuits are being prepared against three categorical users for violation of categorical standards and two categorical users and one non categorical user for violation of local limits.

Attached to this report as Appendix A are samples of two computer generated reports listing the active violations, one an alphabetical list and the other a chronological list. These are for internal use at this time and are used for follow-up planning. They can be printed on demand and are current to the date printed. Thus, we get real time accuracy.

Two other report formats are included. One is a violation history form which lists all violations during the year for a particular user. The second is a summary of each violation by user and includes up to four follow-up activities. We are designing other applications and will include samples in future reports.

VIII **Program Evaluation**

We continued to enjoy excellent cooperation from the vast majority of users during the past year. However, the various lawsuits referred to previously, indicate that if cooperation does not result in compliance, then the cooperation is incomplete. Some of the companies sued or about to be sued have spent upwards of $1,000,000 for pretreatment facilities, and still have not consistently met the required limitations. In these cases, it was not the company unwillingness, but its inability to achieve compliance that resulted in legal action. Hopefully, these users will react by addressing the problem differently.

USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
A. Capone 34 Fulton Street Paterson, NJ 07544	Garbage Transfer Station
All Metal Polishing, Inc. 23 George Street Newark, NJ 07105	Electroplater
A. Zerega & Sons, Inc. 20-01 Broadway Fairlawn, NJ 07410	Mfg. macaroni
B & L Oil 472 Frelinghuysen Avenue Newark, NJ 07114	Oil reclaimer
Chem-Spray 5 Taft Road Totowa, NJ 07512	Mfg. personal and household products
Chemical Waste Management of NJ, Inc. 100 Lister Avenue Newark, NJ 07105	Commercial waste treatment facility
Daicolor Pope, Inc. 33 Sixth Avenue Paterson, NJ 07524	Mfg. pigments
Domestic Linen Supply Co., Inc. 265 Cortlandt Street Belleville, NJ 07109	Linen service
Dragoco, Inc. Gordon Drive Totowa, NJ 07512	Mfg. flavors and fragrances

KLL026051

USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
Duro-Test Corp. 50 Somerset Place Clifton, NJ 07012	Mfg. fluorescent lamps
Foreign Auto Preparation Service, Inc. 303 Navy Street Newark, NJ 07114	Auto preparation center
Heterene Chemical Co., Inc. 295 Vreeland Avenue Paterson, NJ 07513	Mfg. specialty chemicals
Hoechst Celenese Chemical Group Inc. 354-375 Doremus Avenue Newark, NJ 07105	Mfg. aqueous formaldehyde solutions
Hoffmann La Roche, Inc. 970 Riverview Drive Totowa, NJ 07512	Sterile filling and packaging of antibiotics
Koppers Company Inc. Maritime and Tyler Streets Newark, NJ 07114	Treat wood ties
Krementz & Co. 49 Chestnut Street Newark, NJ 07101	Mfg jewelry
Lodi Auto Scrap and Recycling Center, Inc. 99 Dell Glen Avenue Lodi, NJ 07644	Auto recycler
M.C. Decorating, Inc. 35 Market Street Elmwood Park, NJ 07407	Decorate glass containers

KLL026052

USERS WHO HAVE BEEN ADDED TO INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Brief Description
Pen Pac Inc. 27-33 Iowa Avenue Paterson, NJ 07503	Garbage transfer station
Quality Formulation Labs, Inc. 204 Lackawanna Avenue West Paterson, NJ 07424	Mfg. vitamins
Schmid Laboratories, Inc. Rt. #46 West - P.O. Box 415 Little Falls, NJ 07424	Mfg. rubber & latex products
Shofar Kosher Foods, Inc. 286 Adams Street Newark, NJ 07105	Mfg. Kosher provisions
Singer Kearfott 1150 McBride Avenue West Paterson, NJ 07424	Mfg. guidance systems
Solid Waste Transfer, Inc. 442 Frelinghuysen Avenue Newark, NJ 07114	Garbage transfer station
The Dial Corporation 179 Entin Road Clifton, NJ 07014	Mfg. ammonia
The P.F. Laboratories 700 Union Boulevard Totowa, NJ 07512	Mfg. pharmaceutical products
Ungerer & Co. 650 Union Boulevard Totowa, NJ 07512	Essential oil distilled from nutmeg
Yankee Linen Inc. 3 Second Avenue Paterson, NJ 07514	Linen service

KLL026053

USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY

SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Armour Dial Corp. 179 Entin Road Clifton, NJ 07014	Name Change The Dial Corp.
Beacon Sweets 107 Main Street Newark, NJ 07105	Out of business
Bogue Electric Mfg. Co. 100 Pennsylvania Avenue Paterson, NJ 07509	Out of business
Celanese Chemical Corp. 354-375 Doremus Avenue Newark, NJ 07105	Corporation change
Charles Besseler 219 South 18th Street Newark, NJ 07108	Out of business
Chelsea Labs, Inc. 481 Edward H. Ross Drive - P.O. Box 213 Elmwood Park, NJ 07407	Out of business
Chrome Art Inc. 23 George Street Newark, NJ 07105	Name change All Metal Polishing
Continental Can Co. 217 Brook Avenue Passaic, NJ 07055	Out of business
Courtaulds C.P.D., Inc. 290 Ferry Street Newark, NJ 07105	Out of business

KLL026054

USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
Edmar Creations Co., Inc. 35 Mohegan Street Clifton, NJ 07013	Does not meet criteria to be classified an industrial user
Essex County Geriatrics Center 520 Belleville Avenue Belleville, NJ 07109	Does not meet criteria to be classified an industrial user
McKesson Envirosystems Co. 600 Doremus Avenue Newark, NJ 07105	No longer at this location
Minwax Co., Inc. 16 Cherry Street Clifton, NJ 07114	Does not meet criteria to be classified an industrial user
Pope Chemical Corp. 33 Sixth Avenue Paterson, NJ 07524	Corporation change
Rent All Processors 265 Cortlandt Street Belleville, NJ 07109	Out of business
Roman Adhesives, Inc. 5 Lawrence Street Bloomfield, NJ 07003	Out of business
Ronson Metals Corp. 45-65 Manufacturers Place Newark, NJ 07105	Does not meet criteria to be classified an industrial user
SCA Chemical Services Division of Chemical Waste Management 100 Lister Avenue Newark, NJ 07105	Name change Chemical Waste Management

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USERS WHO HAVE BEEN DELETED FROM INDUSTRIAL INVENTORY

SINCE LAST REPORT

Facility Name Location Address	Reason for Deletion
SMS Creatives, Inc. 35 Market Street Elmwood Park, NJ 07407	Name Change M.C. Decorating Inc.
S. Neumann Leather Corp. 46 Johnson Street Newark, NJ 07105	Out of business
Textile Piece Dye Co., Inc. 451 Fifth Avenue - P.O. Box 2246 Paterson, NJ 07509	Out of business

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COMPLIANCE WITH CATEGORICAL STANDARDS

Industrial Category	40 CFR Part	Number of Industries						
		Total in Category	BMRs Received	BMRs Complete	In Compliance	Out of Compliance Under Schedule	Under Review	Final Compliance Report Receiv
Textile Mills	410	32	N/A	N/A	N/A	N/A	N/A	N/A
Electroplating	413	61	60	60	59	1	1	59
Organic Chemicals	414	38	38	0	0	0	38	0
Inorganic Chemicals	415	4	4	4	3	1	0	3
Petroleum Refining	419	—	—	—	—	—	—	—
Iron & Steel	420	1	1	1	0	1	0	0
Nonferrous Metals Manufacturing	421	2	2	2	0	2	0	0
Steam Electric	423	—	—	—	—	—	—	—
Leather Tanning	425	3	3	3	2	1	0	2
Pulp and Paper	430 431	4	4	4	4	0	0	4
Meat Products	432	10	N/A	N/A	N/A	N/A	N/A	N/A
Metal Finishing	433	17	17	17	16	1	0	16
Pharmaceuticals	439	19	19	19	19	0	0	19
Pesticides	455	4	4	4	4	0	0	4
Battery Mfg	461	1	1	1	1	0	0	1
Plastics Molding and Forming	463	4	N/A	N/A	N/A	N/A	N/A	N/A

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COMPLIANCE WITH CATEGORICAL STANDARDS

Industrial Category	Number of Industries							
	40 CFR Part	Total in Category	BMRs Received	BMRs Complete	In Compliance	Out of to Compliance Under Schedule	Under Review	Final Compliance Report Receive
Metal Molding and Forming	464	3	3	3	0	3	0	0
Coil Coating	465	—	—	—	—	—	—	—
Porcelain Enameling	466	—	—	—	—	—	—	—
Aluminum Forming	467	2	2	2	2	0	0	2
Copper Forming	468	3	3	3	1	2	0	1
Electrical and Electronic Comp.	469	1	1	1	1	0	0	1
Non Ferrous Metals Forming and Metal Powders	471	1	1	1	0	1	0	0

NOTES TO AR-4 FORM

While the number of industries out of compliance and under schedule add up to 13, the number is in reality only 11 since some companies are covered by more than one category.

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COMPANIES WITH ZERO DISCHARGE

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code if Discharging
Beamar Electronics 114 Kearny St. Paterson, New Jersey	Martin Forrest, President Glen Richards (201) 595-9627	413
Campbell Foundry 800 Bergen Street Harrison, New Jersey 07029	Cliff Gerwich Foundry Mgr. (201) 483-5480	464
Certified Metals 175 Entin Road Clifton, New Jersey 07014	Andrew Brady Maintainance Mgr (201) 778-4848	421,433
Chart, Inc. 787 East 27th St. Paterson, New Jersey 07509	Arthur Feldman Vice President (201) 445-5556	439
Chemical Comp. 29-75 Riverside Avenue Newark, New Jersey 07104	Harold Sullivan President (201) 485-3211	415
Chem Aid 100 Mayhill Road Saddle Brook, New Jersey 07662	Roy Reiner President (201) 843-3300	413
Contemporary Cosmetics 75 Main Street Elmwood Park, New Jersey 07407	Chas Iglody Plant Mgr (201) 794-9700	439

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COMPANIES WITH ZERO DISCHARGE

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code if Discharging
ITT Defense Communications 492 River Road Nutley, New Jersey 07110	Thomas A. Jordan Mgr. Facilities (201) 284-4345	433
Newark, Stamp & Die Co. McCarter Highway Newark, New Jersey 07104	H. Byeff/Secretary-Treasurer President (201) 622-8929	413
Power Battery, Inc. 0-02 Farilawn Avenue Fairlawn, New Jersey 07410	Joseph Valley President (201) 791-5050	433
Swepco Tube Inc. 1 Clifton Blvd Clifton, New Jersey 07015	John Koegel V/P Operations (201) 778-3000	420

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
A. L. Dyers Inc. 36 Seabury St Newark, NJ 07104	Louis Mondejar, President (201) 484-6400	410.44 Sub-Part D	N/A	Y	N/A	N/A
Apollo Dyeing & Finishing Corp. 140 Summer St - P.O. Box 3072 Paterson, NJ 07509	Eugene Baldecchi, Sect./Treas. (201) 684-6376	410.44 Sub-Part D	N/A	Y	N/A	N/A
Baltic Dyeing & Finishing Corp. 35 Eighth Street Passaic, NJ 07055	Anthony Maltese, Secretary (201) 777-6619	410.44 Sub-Part D	N/A	Y	N/A	N/A
Boris Kroll Jacquard Looms, Inc. 66 Gray Street Paterson, NJ 07501	John Anderson, Ass't. V.P. (201) 684-4545	410.44 Sub-Part D	N/A	Y	N/A	N/A
Champion Dyeing & Finishing Co. 192 Putnam Street Paterson, NJ 07524	Charles Russalesi, President (201) 345-9506	410.44 Sub-Part D	N/A	Y	N/A	N/A
Columbia Textile Service Inc. 28 Ryle Avenue Paterson, NJ 07509	Adolph Nazzaro, V.P. (201)942-5544	410.44 Sub-Part D	N/A	Y	N/A	N/A
Como Textile Prints Inc. 191 East Railway Avenue Paterson, NJ 07503	M. F. Blanchfield, Plt. Mgr. (201)279-2950	410.44 Sub-Part D	N/A	Y	N/A	N/A

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Coral Dyeing & Finishing Co. 585 East 31st Street Paterson, NJ 07513	Clara Thompson, Controller (201) 278-0272	410.44 Sub-Part D	N/A	Y	N/A	N/A
Craft Textile Printing Co., Inc. 44 Beech Street Paterson, NJ 07509	H. R. Casparian, President (201) 278-3818	410.44 Sub-Part D	N/A	Y	N/A	N/A
Dyetex Corp. 2 Canal Street Passaic, NJ 07055	J. C. Vendette, President (201) 473-4466	410.44 Sub-Part D 410.54 Sub-Part E	N/A	Y	N/A	N/A
E & W Piece Dye Works Inc. 900 Passaic Avenue East Newark, NJ 07029	Arthur Bruno President (201) 482-5080	410.44 Sub-Part D	N/A	Y	N/A	N/A
International Veiling Corp. 244 Hazel Street Clifton, NJ 07012	Edwin S. Wiley, President (201) 772-3100	410.54 Sub-Part E	N/A	Y	N/A	N/A
Interstate Dyeing & Finishing Co. 35 Eighth Street Passaic, NJ 07055	Joseph Metzger, V.P. (201) 473-8370	410.44 Sub-Part D	N/A	Y	N/A	N/A
Leader Dyeing & Finishing 94 Madison Avenue Paterson, NJ 07509	Elaine DeNobile, Office Mgr. (201) 279-9200	410.44 Sub-Part D	N/A	Y	N/A	N/A

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Manner Dyeing & Finishing Co. 293 Morrissee Avenue Haledon, NJ 07508	Patrick Cupo, President (201) 942-8718	410.44 Sub-Part D	N/A	Y	N/A	N/A
Missbrenner Prints Inc. 211 Mt. Prospect Avenue Clifton, NJ 07013	Alan Roth, Plt. Chemist (201) 777-6410	410.44 Sub-Part D	N/A	Y	N/A	N/A
Narrotex Corp. 245 Fourth Street Passaic, NJ 07055	Samuel Levin, President (201) 777-1740	410.44 Sub-Part D	N/A	Y	N/A	N/A
North Jersey Skein Dyeing Co. 152 Putnam Street Paterson, NJ 07524	Dominic H. Aldi, President (201) 684-6488	410.74 Sub-Part G	N/A	Y	N/A	N/A
Paragon Dyeing & Finishing Co. 72 Chadwick Street Paterson, NJ 07509	J. Varcadipane, V.P. (201) 278-6800	410.44 Sub-Part D	N/A	Y	N/A	N/A
Paterson Bleachery & Chemicals 207 East 15th Street Paterson, NJ 07524	Antonio Armenante, President (201) 684-1034	410.44 Sub-Part D	N/A	Y	N/A	N/A
Paul's Dyeing Company One Main Street East Orange, NJ 07018	Ernest P. Gecz, President (201) 484-1121	410.24 Sub-Part B 410.44 Sub-Part D	N/A	Y	N/A	N/A

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Perennial Printing Corp. Two East 26th Street Paterson, NJ 07509	Ronald Klaiman, President (201) 279-3558	410.44 Sub-Part D	N/A	Y	N/A	N/A
Poughkeepsie Finishing Corp. 48 East 5th Street Paterson, NJ 07509	Frank Centrelli, President (201) 279-1415	410.44 Sub-Part D	N/A	Y	N/A	N/A
Rainbow Dyeing & Finishing Corp. 20-21 Wagaraw Road Fairlawn, NJ 07410	Emil Innocenti, President (201) 423-2044	410.44 Sub-Part D	N/A	Y	N/A	N/A
Renco Mfg. 20-21 Wagaraw Road Fairlawn, NJ 07410	David Rento, President (201) 769-5600	410.44 Sub-Part D	N/A	Y	N/A	N/A
Signature Cloth Corp. 200 Clifton Blvd. Clifton, NJ 07013	Marcel Touponse, Plt. Mgr. (201) 472-1300	410.44 Sub-Part D	N/A	Y	N/A	N/A
Stacy Industries, Inc. 38 Passaic Street Wood-Ridge, NJ 07075	J. Hipale Executive Director (201) 779-1121	410.84 Sub-Part H	N/A	Y	N/A	N/A
Sunbrite Dye Co., Inc. 35 Eighth Street Passaic, NJ 07055	C. J. Spinella, Gen. Mgr. (201)777-9830	410.44 Sub-Part D	N/A	Y	N/A	N/A

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Thomas Henshall Silk Finishing 52 West Peel Street Paterson, NJ 07524	L. D. VanDer Wende, Technical Mgr. (201) 684-4956	410.44 Sub-Part D	N/A	Y	N/A	N/A
Thorn, Inc. 15-19 First Avenue Paterson, NJ 07524	Frank DeCieceis, Engineer (201) 684-1717	410.44 Sub-Part D	N/A	Y	N/A	N/A
Trio Dyeing Co., Inc. 440-450 East 22nd Street Paterson, NJ 07509	Joseph Singer, Controller (201) 279-5538	410.44 Sub-Part D	N/A	Y	N/A	N/A
Zenith Dyeing & Finishing Corp. 53 East 23rd Street Paterson, NJ 07509	C. Kuiphoff, Office Mgr. (201) 278-0400	410.44 Sub-Part D	N/A	Y	N/A	N/A

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
A & F Electroplating Inc. 106 Ashland Avenue West Orange, NJ 07052	Frank Chabala, President (201) 736-4344	413.14 Sub-Part A	10/85	Y	N/A	01/22/87
Acme Engraving Co., Inc. 19 Delaware Avenue Passaic, NJ 07055	Roy Murat, Secretary (201) 778-0885	413.64 Sub-Part F	07/18/85	Y	N/A	08/15/84
Aircraft Engineering Products Two Ackerman Avenue Clifton, NJ 07011	Leo Roth, Plt. Mgr. (201) 777-4737	413.14 Sub-Part A	06/26/85	Y	N/A	06/26/85
Alcaro & Alcaro Plating Co., Inc. 112 Pine Street Montclair, NJ 07042	Anthony Alcaro, President (201) 746-1200	413.14 Sub-Part A 413.24 Sub-Part B	02/02/86	Y	N/A	01/21/87
Alfred Heller Heat Treating Co. 5 Wellington Street Clifton, NJ 07014	George DeVos, Vice President (201) 772-4200	413.14 Sub-Part A	10/09/85	N	09/88	*
All Metal Polishing Inc. 23 George Street Newark, NJ 07105	Elton Lima President (201) 824-1500	413.14 Sub-Part A	10/85	Y	N/A	03/02/87

* Referred to Legal

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
American Electro Plating Co. 342 Lincoln Avenue Hawthorne, NJ 07506	Rudolph Portvliet, President (201) 427-2300	413.14 Sub-Part A	06/19/85	Y	N/A	02/28/84
Andarn Electro Service 72 Michigan Avenue Paterson, NJ 07503	Stephan Bednarz, Vice President (201) 523-2220	413.44 Sub-Part D 413.54 Sub-Part E 413.64 Sub-Part F	06/17/85	Y	N/A	08/15/84
Anodizing Corp. 39 Avenue L Newark, NJ 07105	Jack Lavorgna, President (201) 589-2761	413.44 Sub-Part D	06/17/85	Y	N/A	04/27/84
Atlas Metal Finishing Inc. 8 Avenue B Newark, NJ 07105	Elmar Cerva, Vice President (201) 684-8740	413.14 Sub-Part A	07/20/87	Y	N/A	07/20/87

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Aurilyte Process Company 25 McWhorter Street Newark, NJ 07105	Markram Demian, President (201) 344-4434	413.24 Sub-Part B	06/14/85	Y	N/A	06/14/85
Automatic Electroplating Corp. 185 Foundry Street Newark, NJ 07105	Jerry Borriello, President (201) 589-0344	413.14 Sub-Part A	08/27/85	Y	N/A	09/04/86
Best Plating & Polishing Co. 443 South Tenth Street Newark, NJ 07103	Michael Maykish, President (201) 621-2200	413.14 Sub-Part A	06/21/85	Y	N/A	12/26/84
C. Patti Electro Plating Corp. 27 First Street Newark, NJ 07107	Carmelo Patti, President (201) 643-2201	413.14 Sub-Part A	07/17/85	Y	N/A	07/23/86
Circuit Manufacturing Corp. 9 St. Francis Street Newark, NJ 07105	Arthur Figueira, Vice President (201) 344-3050	413.84 Sub-Part H	08/14/85	Y	N/A	08/14/85
Diamond Hard Chromium Co., Inc. 463 NJ Railroad Avenue Newark, NJ 07105	Adolph Dobbs, President (201) 824-9412	413.14 Sub-Part A	08/06/85	Y	N/A	12/28/84

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Double D Plating Co., Inc. 52 Garfield Avenue Paterson, NJ 07522	Donald DeSimone, President (201) 742-3982	413.14 Sub-Part A	07/10/85	Y	N/A	02/11/85
Durite Circuit Corp. 141 River Road Nutley, NJ 07110	Roland M. Palumbo, President (201) 667-3033	413.84 Sub-Part H	08/16/85	Y	N/A	08/16/85
E.C. Electroplating, Inc. 125 Clark Street Garfield, NJ 07026	Salvatore Cusmano, Asst. Gen. Mgr. (201) 340-0227	413.14 Sub-Part A	07/18/85	Y	N/A	07/18/85
Electron Technology 626 Schuyler Avenue Kearny, NJ 07032	Ronald Goehner, President (201) 998-8100	413.64 Sub-Part F	07/08/87	Y	N/A	07/08/87
Electronic Circuit Corp. 520 Victor Street Saddle Brook, NJ 07662	George Snedecor, President (201) 845-0180	413.84 Sub-Part H	10/04/85	Y	N/A	09/18/87
Electronic Processing Corp. 17 Central Avenue Hawthorne, NJ 07506	Wm. VanBlarcom, President (201) 423-3664	413.14 Sub-Part A	07/16/85	Y	N/A	12/31/84
Ever Ready Label 357 Cortlandt St. Bellville, NJ 07109	William Pollinger Ass't Plt. Mgr. (201) 759-5500	413.44 Sub-Part D	*	*		

* Awaiting BMR

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Frederick Gumm Chemical Co., Inc. 538 Forrest St Kearny, NJ 07032	Peter Dietrich, Vice President (201) 991-4171	413.14 Sub-Part A	07/14/87	Y	N/A	02/02/88
G & H Metal Finishers, Inc. 282 Dakota Street Paterson, NJ 07503	George Grimm, President (201) 523-0307	413.14 Sub-Part A	06/25/85	Y	N/A	06/30/85
General Metal & Black Finishers 3 Alva Street Bloomfield, NJ 07003	George Stryker, President (201) 743-7000	413.44 Sub-Part D	07/12/85	Y	N/A	05/16/84
Graphtex, Inc. 1 Dell Glen Avenue Lodi, NJ 07644	G. Markoff, President (201) 478-1166	413.64 Sub-Part F	03/31/87	Y	N/A	03/31/87
Highland Electroplating 63 Dayton Street Paterson, NJ 07509	Michael Klein, President (201) 278-4567	413.14 Sub-Part A 413.44 Sub-Part D	06/30/85	Y	N/A	12/31/84
Hy-Grade Electroplating 35 Fourth Street Newark, NJ 07107	Eugene Wagner, President (201) 482-1442	413.14 Sub-Part A	01/14/86	Y	N/A	11/22/85

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Ideal Plating & Polishing 681 Main Street Belleville, NJ 07109	R. Knigge, President (201) 759-5559	413.14 Sub-Part A	02/27/85	Y	N/A	10/27/87
Imperial Electroplating Co. Div. F.E.R Plating 52 Park Avenue Lyndhurst, NJ 07071	E. Engelhardt, President (201) 438-5490	413.14 Sub-Part A	07/02/85	Y	N/A	01/19/87
Independence Plating Corp. 107 Alabama Avenue Paterson, NJ 07509	Ron Knigge, President (201) 523-1776	413.14 Sub-Part A	07/17/85	Y	N/A	01/26/87
Industrial Hard Chromium Co., Inc. 7 Rome Street Newark, NJ 07101	Michael Casenta, Vice President (201) 344-2265	413.14 Sub-Part A	06/25/85	Y	N/A	12/11/84
Keystone Automotive Ind., Inc. 24 Legal Street Newark, NJ 07114	Pete Johnson, Gen. Mgr. (201) 248-7644	413.14 Sub-Part A	07/07/85	Y	N/A	07/02/85
Kohinoor Electroplating Corp. 11 Paterson Avenue Wallington, NJ 07057	Amarjett Basra, President (201) 779-4723	413.14 Sub-Part A	07/17/85	Y	N/A	07/21/86

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Loisel Manufacturing Corp. 168 Eighth Avenue Paterson, NJ 07514	Steve Tushingham, Vice President (201) 742-7002	413.14 Sub-Part A	07/17/85	Y	N/A	07/17/85
Manco Plating, Inc. 390 Park Avenue Newark, NJ 07107	Louis Garcia, President (201) 485-6800	413.14 Sub-Part A	07/08/85	Y	N/A	07/08/86
Mara Polishing & Plating 105-107 Peddie Street Newark, NJ 07108	Don Bellisano, President (201) 242-0800	413.14 Sub-Part A	07/01/85	Y	N/A	07/01/85
Miller & Sons 24 Belleville Avenue Belleville, NJ 07109	Allen Miller, President (201) 759-6445	413.14 Sub-Part A 413.44 Sub-Part D	11/25/85	Y	N/A	09/16/87
Moyer Plating Corp. 175 Christie Street Newark, NJ 07101	Sean Moyer, Vice President (201) 589-1112	413.14 Sub-Part A	07/09/85	Y	N/A	07/21/87
NSC Plating & Polishing Co., Inc. 242 South 12th Street Newark, NJ 07107	Joseph Maykish, Plant Manager (201) 623-8178	413.14 Sub-Part A	07/18/85	Y	N/A	02/22/85

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Nu-Tronic Circuit Co., Inc. 250 East 17th Street Paterson, NJ 07524	Frank Altieri, President (201) 279-3838	413.84 Sub-Part H	06/26/85	Y	N/A	01/02/87
Ondecker Metal Finishing 178-182 Emmet Street Newark, NJ 07105	George Ondecker, President (201) 824-1371	413.24 Sub-Part B	06/30/85	Y	N/A	07/16/84
P.N.C., Inc. 115 East Centre Street Nutley, NJ 07110	Renee Gabbai, President (201) 284-1600	413.84 Sub-Part H	07/31/85	Y	N/A	05/07/87
Pan-Graphics Inc. 45 Hartmann Avenue Garfield, NJ 07026	Eugene J. Sidor, Controller (201) 478-2100	413.64 Sub-Part F	10/16/85	Y	N/A	10/16/85
Plating City 347 Ferry Street Newark, NJ 07105	Kenti Patel, President (201) 589-3700	413.14 Sub-Part A	08/07/85	Y	N/A	06/28/85
Polaris Plating Inc. 200 Keen Street Paterson, NJ 07524	Frank Zemo, President (201) 278-0030	413.14 Sub-Part A	08/16/85	Y	N/A	02/03/85
Precision Products Company Two Llewellyn Avenue Hawthorne, NJ 07506	Charles Vaghasia, President (201) 423-0030	413.84 Sub-Part H	05/06/85	Y	N/A	05/06/85

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Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Precision Prototypes Inc. 255 Midland Avenue Garfield, NJ 07026	Raymond Viventi, Plt. Mgr. (201) 546-6737	413.84 Sub-Part H	01/06/86	Y	N/A	01/06/86
Quality Metal Finishing Corp. 80 George Street Paterson, NJ 07503	Mark S. Leonardis, President (201) 345-0983	413.14 Sub-Part A	02/10/86	Y	N/A	02/10/86
Ranno Electroplating Corp. 280 Midland Avenue Saddle Brook, NJ 07662	Philip S. Ranno, President (201) 791-6655	413.14 Sub-Part A	07/30/85	Y	N/A	01/07/87
Rennie Mfg. & Finishing Corp. 12 Rennie Place Lodi, NJ 07644	Alan Kessinger, President (201) 773-1650	413.14 Sub-Part A	07/17/85	Y	N/A	06/13/86
Reyom Corp. 173 Christie Street Newark, NJ 07105	John Naia, Vice President (201) 589-2232	413.14 Sub-Part A	08/02/85	Y	N/A	01/28/86

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Stirrup Metal Products Corp. 215 Emmet Street Newark, NJ 07101	George Stirrup, President (201) 824-7086	413.54 Sub-Part E	10/17/86	Y	N/A	10/17/86
Suffern Plating Corp. 210 Garibaldi Avenue Lodi, NJ 07644	Herbert S. Landau, President (201) 473-4404	413.14 Sub-Part A	07/26/85	Y	N/A	12/14/87
Sun Metal Finishing, Inc. 54 Bleeker Street Paterson, NJ 07524	Michael O'Brien, President (201) 684-0119	413.14 Sub-Part A	08/08/85	Y	N/A	01/22/87
Supreme Heat Treating Inc. 8-12 Clifton Avenue Newark, NJ 07103	Frank Ferrara, President (201) 482-6464	413.54 Sub-Part E	03/02/87	Y	N/A	03/02/87

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electroplating 40 CFR 413

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
T.A. Farrell Electroplating 39 Atlantic Street Garfield, NJ 07026	Mrs. Howard Berke President (201) 340-0357	413.14 Sub-Part A 413.24 Sub-Part B	06/25/85	Y	N/A	06/24/85
TRB Electro Corp 6 Morris Street Paterson, NJ 07501	Murray Green, Owner (201) 278-9014	413.44 Sub-Part D	12/18/85	Y	N/A	01/17/86
Timco Inc. 666 South 16th Street Newark, NJ 07103	Diane Santora, General Mgr. (201) 374-3729	413.54 Sub-Part E	08/21/86	Y	N/A	07/28/86
Trio Plating Co., Inc. 61 Willett Street Passaic, NJ 07055	Harry Gardner, President (201) 845-6804	413.14 Sub-Part A	06/29/85	Y	N/A	07/15/85

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Categorical Pretatment Standard for OCPSF 40 CFR 414

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Adco Chemical Co. 49 Rutherford St. Newark, New Jersey 07105	Steve Holland (201) 589-0880		*			
Alliance Chemical, Inc. 33 Avenue P Newark, New Jersey 07105	W.C. Henning (201) 344-2344		*			
Ardmore Chemical Co., Inc. 29 Riverside Avenue Bldg. #14 Newark, New Jersey 07104	Albert Sharphouse (201) 481-2406		*			
Atlantic Industries 10 Kingsland Road Nutley, New Jersey 07110	Charles Danziger (201) 235-1800		*			
Belzak Corporation 850 Bloomfield Avenue Clifton, New Jersey 07012	Henry Zak (201) 773-0602		*			

* BMR BEING REVIEWED

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BASELINE MONITORING REPORT DATA

Categorical Pretatment Standard for OCPSF 40 CFR 414

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Benjamin Moore & Company 134 Lister Avenue Newark, New Jersey 07105	Carl Minchew (201) 344-1200		*			
Cardolite, Inc. 500 Doremus Aenue Newark, New Jersey 07105	Fred Bushman (201) 344-5015		*			
Chem-Fleur, Inc. 189 Clifford Street Newark, New Jersey 07105	Gordon Ruiterman (201) 589-4266		*			
Commercial Products Inc. 117 Ethel Avenue Hawthorne, New Jersey 07506	Charles Arnold (201) 427-6887		*			
Crompton & Knowles 52 Amsterdam Street Newark, New Jersey 07105	Raymond J. Lehmann (201) 344-5749		*			
Daicolor-Pope, Inc. 33 6th Avenue Paterson, New Jersey 07524	Robert Miesch (201) 279-2702		*			
Elan Chemical Company 268 Doremus Avenue Newark, New Jersey 07105	John Vassiliades (201) 344-8014		*			

* BMR BEING REVIEWED

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for OCPSF 40 CFR 414

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Fairmount Chemical Co. 117 Blanchard Street Newark, New Jersey 07105	Michael Ishak (201) 344-5790		*			
Fisher Scientific Company 1 Reagant Lane Fairlawn, New Jersey 07410	Jay F. Young (201) 796-7100		*			
Galaxie Chemical Corporation 26 Piercy Street Paterson, New Jersey 07524	Michael Santoro (201) 279-0558		*			
Givaudan Corporation 125 Delawanna Avenue Clifton, New Jersey 07015	John Angiolini (201) 365-8486		*			
H & S Chemical Co., Inc. 54-64 Van Dyke Street P.O. Box 3107 Wallington, New Jersey 07057	Damon Tang (201) 939-8680		*			
Henkel Corporation, Process Chemicals First & Essex Streets Harrison, New Jersey 07029	Jorge Tena (201) 484-8400		*			

* BMR BEING REVIEWED

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for OCPSF 40 CFR 414

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Heubach, Inc. 256 Vanderpool Street Newark, New Jersey 07114	R.F. Mitchell (201) 242-1800		*			
Hilton Davis Company 120 Lister Avenue Newark, New Jersey 07105	William T. Coleman (201) 344-7308		*			
Hoechst Celanese Chemical Group 354-375 Doremus Avenue Newark, New Jersey 07105	Peter N. Altoro (201) 589-2705		*			
Humko Chemicals Div. of Witco Chemical Corp. 652 Doremus Avenue Newark, New Jersey 07105	Joseph Kirby (201) 344-3216		*			
Indol Color Co. Sub. of Magruder Colors 1 Virginia Street Newark, New Jersey 07101	Robert Van Soest (201) 242-1300		*			
Kalama Chemical, Inc. 290 River Road Garfield, New Jersey 07026	H.A. Goel (201) 779-8880		*			

* BMR BEING REVIEWED

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Categorical Preatment Standard for OCPSF 40 CFR 414

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Magruder Color Company 1029 Newark Avenue Elizabeth, New Jersey 07201	R.D. Van Soest (201) 242-1300		*			
Mobay Chemical Corp. 550 Belmont Avenue Haledon, New Jersey 07507	James C. Manzella (201) 942-3232		*			
Morton Thiokol 335 McLean Blvd Paterson, New Jersey 07504	Brendan McMahan (201) 684-1726		*			
Napp Chemicals, Inc. 199 Main Street Lodi, New Jersey 07644	Lawrence Angilella (201) 773-3900		*			
Orient Chemical 121 Tyler Street Newark, New Jesey	Mr. Nagahama (201) 589-4107		*			
Passaic Color & Chemicals 28-36 Paterson Street Paterson, New Jersey 07501	F.H. Hummel (201) 279-0400		*			
Polarome Mfg. Co., Inc. 361 South Street Newark, New Jersey 07105	Craig Luebeck (201) 465-1750		*			

* BMR BEING REVIEWED

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BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for OCPSF 40 CFR 414

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Polychrome Chemicals Corp. 46 Albert Street Newark, New Jerey 07105	Louis Kaplan (201) 589-3875		*			
Sandoz Chemical Corp. Fairlawn Avenue & Third Street Fairlawn, New Jersey 07410	Colin North (201) 796-2800		*			
Scher Chemical Corp. Industria West & Styertowne Road Clifton, New Jersey 07012	Peter Sibilski (201) 471-1300		*			
Spencer Kellogg Products 400 Doremus Avenue Newark, New Jersey 07105	Arthur E. Dieffenbach (201) 589-3709		*			
Sun Chemical 185 Foundry Street Newark, New Jersey 07105	Allan Shearer (201) 344-4879		*			
Van Dyk Main & William Streets Belleville, New Jersey 07109	Victor Gole (201) 450-3229		*			
White Chemical Co. 646 Frelinghuysen Avenue Newark, New Jersey 07114	Steve Shopsis (201) 621-4100		*			

* BMR BEING REVIEWED

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Inorganic Chemicals 40 CFR 415

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Auric Fidelity Chemical Prod. 470 Frelinghuysen Avenue Newark, NJ 07114	M. Bick President (201) 242-4110	415.367 Sub-Part AJ 415.474 Sub-Part AU	06/20/85	Y	N/A	08/22/84
Essex Chemical Corp. 330 Doremus Avenue Newark, NJ 07105	A. Soos Plt. Eng. (201) 773-6300	415.24 Sub-Part B	08/08/85	Y	N/A	12/06/84
General Color 24 Avenue B Newark, NJ 07114	G. Snyder V.P. (201) 248-2575	415.644 Sub-Part BL	04/08/85	Y	N/A	06/24/87
Heubach 256 Vanderpool Street Newark, NJ 07114	R. Mitchell V.P. (201) 242-1800	415.344 Sub-Part AH	11/22/82	N	11/88	

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Categorical Pretreatment Standard for Iron & Steel Manufacturing 40 CFR 420

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Driver Harris Alloys, Inc. 308 Middlesex St Harrison, NJ 07029	R. Crabtree, Engr. Mgr. (201) 483-4800	420.75 Sub-Part G	02/05/87	Y	N/A	02/05/87
		420.95 Sub-Part I	02/05/87	N	08/88	

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Categorical Pretreatment Standard for Non-Ferrous Metals Manufacturing 40 CFR 421

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
OMI International 75 River Road Nutley, NJ 07110	Alan Buffey, Plant Manager (201) 667-5200	421.265 Sub-Part X	10/31/86	N	09/88	
Krementz & Co 375 McCarter Highway Newark, NJ 07105	R. Paulukiewicz Manager (201) 621-8300	421.265 Sub-Part X	07/01/88	N	09/88	

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Leather Tanning & Finishing 40 CFR 425

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
New Jersey Tanning Co. 410 Frelinghuysen Avenue Newark, NJ 07114	Harold Schwartz President (201) 824-8324	425.15 Sub-Part A	03/25/85	Y	N/A	11/25/85
Ocean Leather Corp. 42 Garden Street Newark, NJ 07105	Sal Mohan, V.P. (201) 344-1193	425.15 Sub-Part A	07/01/83	Y	N/A	07/21/87
Seton Leather Company 249 Oraton Street Newark, NJ 07104	Joseph Giordano Vice President (201) 485-4800	425.15 Sub-Part A	08/05/85	N	*	

* Referred to Legal

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Categorical Pretreatment Standard for Pulp and Paper 40 CFR 430 & 431

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Chin Am 177 Third Avenue Paterson, NJ 07504	J. Shortino Production Supt. (201) 345-1640	430.56 Sub-Part E	*	Y	N/A	07/11/86
Garden State Paper, Inc. 950 River Drive Garfield, NJ 07026	Thomas Hahn Mil Manager (201) 772-8700	430.176 Sub-Part Q	*	Y	N/A	01/17/83
Marcal Paper Mills, Inc. One Market Street Elmwood Park, NJ 07407	J. Burt, Tech. Director (201) 796-4000	430.196 Sub-Part S	*	Y	N/A	01/01/86
Newark Boxboard Company 17 Blanchard Street Newark, NJ 07105	R. Dinan, Asst. Supt. (201) 589-6853	430.56 Sub-Part E	*	Y	N/A	02/02/83

*CERTIFICATION OF CONTINUED COMPLIANCE WAS INITIALLY SUBSTITUTED FOR THE BMR. PERIODIC REPORTS HAVE SUBSEQUENTLY SUPPLIED ALL BMR INFORMATION

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Meat Products 40 CFR 432

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
American Rendering Corp. 38-42 Bay Avenue Newark, NJ 07105	Seymour Berkowitz, President (201) 589-5994	432.104 Sub-Part J	N/A	Y	N/A	N/A
Best Provisions 144 Avon Avenue Newark, NJ 07108	Morris Dolinko, V.P. (201) 243-1100	432.74 Sub-Part G	N/A	Y	N/A	N/A
Great American Veal 42 Avenue L Newark, NJ 07105	Thomas Burke, President (201) 589-6363	432.24 Sub-Part B	N/A	Y	N/A	N/A
Kohler Delicatessan Meats Inc. 57 Napolean Street Newark, NJ 07105	S. Gittler, Acct. (201)589-3459	432.74 Sub-Part G	N/A	Y	N/A	N/A
Liberty Provisions 200 Piaget Avenue Clifton, NJ 07011	Kurt Manz, Manager (201) 478-4411	432.74 Sub-Part G	N/A	Y	N/A	N/A
Linden Packing Co. 342 Astor Street Newark, NJ 07114	Leonard Fine, President (201) 824-6222	432.24 Sub-Part B	N/A	Y	N/A	N/A
Shofar Kosher Foods Inc. 219-221 Emmet Street Newark, NJ 07114	Leonard Posnack, President (201) 242-2434	432.74 Sub-Part G	N/A	Y	N/A	N/A

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Meat Products 40 CFR 432

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Shofar Kosher Foods, Inc. 296 Adams Street Newark, NJ 07105	Harald Stellway Plant Manager (201) 344-3900	432.74 Subpart G	N/A	Y	N/A	N/A
Standard Tallow Corp. 1215 Harrison Avenue Kearny, NJ 07032	E. Schonwalter, V.P. (201) 997-7550	432.104 Sub-Part J	N/A	Y	N/A	N/A
Van Iderstine Corp. 825 Wilson Avenue Newark, NJ 07105	Evan Tyler, Controller (201) 465-1900	432.104 Sub-Part J	N/A	Y	N/A	N/A

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Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Allan Finishing Corp. 271 Mayhill Street Saddle Brook, NJ 07662	Allan Abrams, President (201) 843-6900	433.15 Sub-Part A	08/01/85	Y	N/A	02/01/88
Bon Art International Inc. 99 Evergreen Avenue Newark, NJ 07114	Al Walker, Vice President (201) 623-6615	433.15 Sub-Part A	07/17/87	Y	N/A	07/17/87
C.A. Lausberg & Sons Inc. 351 Clinton Street Haledon, NJ 07508	Charles Lausberg, Treasurer (201) 790-1444	433.15 Sub-Part A	08/22/85	Y	N/A	04/22/86
Canrad Hanovia 100 Chestnut Street Newark, NJ 07105	Tom Gaven, Dir. of Mfg. (201) 539-4300	433.15 Sub-Part A	04/24/86	Y	N/A	01/23/87
Daytona Finishing 59 Wall Street Newark, NJ 07105	Bill Herbert, Vice President (201) 578-2445	433.15 Sub-Part A	03/25/86	Y	N/A	07/21/88

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Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Gloube Manufacturing Company 300 First Street Harrison, NJ 07029	Philip Schlosser, President (201) 482-2156	433.15 Sub-Part A	06/20/85	Y	N/A	02/13/87
ITT Avionics 100 Kingsland Road Clifton, NJ 07014	Donald T. Polzo, Environ Specialist (201) 284-0123	433.15 Sub-Part A	06/28/85	Y	N/A	06/28/85
J.B. Hirsh Company, Inc. 111 Rome Street Newark, NJ 07105	Robert Gray, Vice President (201) 465-0200	433.15 Sub-Part A	09/09/85	Y	N/A	09/09/85
Medin Metal Technology 125 South Street Passaic, NJ 07055	Aquinaldo Cabe Line Supervisor (201) 778-2707	433.15 Sub-Part A	08/09/85	Y	N/A	07/19/85
Phillips Mfg. 190 Emmet Street Newark, NJ 07101	Ira Kay President (201) 824-0400	433.15 Sub-Part A	10/08/86	Y	N/A	10/08/86
Presto Lock Corp. 100 Outwater Lane Garfield, NJ 07026	G. King, Vice President (201) 340-1000	433.15 Sub-Part A	08/01/85	Y	N/A	12/26/86

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Categorical Pretreatment Standard for Metal Finishing 40 CFR 433

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Singer Kearfott 1150 McBride Avenue West Paterson, NJ 07424	R. Callahan Director (201) 785-5637	433 Sub-Part A	04/12/88	Y	N/A	05/04/88
T & E Industries 215 Watchung Avenue Orange, NJ 07050	Leonard Box, President (201) 672-5454	433.15 Sub-Part A	10/02/85	Y	N/A	10/02/86
Wallace & Tiernan 25 Main Street Belleville, NJ 07109	R. Murphy, Vice President (201) 759-8000	433.15 Sub-Part A	08/12/85	N	08/15/88	
Weston USA Solartron Transducers 614 Frelinghuysen Avenue Newark, NJ 07114	H. Gogerty, Manager (201) 242-2600	433.15 Sub-Part A	06/22/85	Y	N/A	06/15/84
Westwood Lighting Group 177 Genesse Avenue Paterson, NJ 07503	W. D. Huggins, Vice President (201) 684-8484	433.15 Sub-Part A	09/24/85	Y	N/A	08/21/85
Vibra-Con 280 Ninth Avenue Hawthorne, NJ 07506	Harold Cole, Vice President (201) 472-6565	433.15 Sub-Part A	06/12/86	Y	N/A	01/08/87

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Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Biocraft Labs Inc. 92 Route 46 Elmwood Park, NJ 07407	M. Kaufman, Vice President (201) 796-3434	439.46 Sub-Part D	08/30/85	Y	N/A	10/04/84
Biocraft Labs Inc. 209 McLean Blvd Paterson, NJ 07504	Harmon Aronson, Vice President (201) 741-7494	439.46 Sub-Part D	02/07/86	Y	N/A	02/07/86
Brioschi, Inc. 19-01 Pollitt Drive Fairlawn, NJ 07410	M. Brizzolara, President (201) 796-4226	439.46 Sub-Part D	08/11/86	Y	N/A	08/11/86
Chase Chemicals 280 Chestnut Street Newark, NJ 07105	John Cockburn Dir. of Eng. (201) 589-8181	439.46 Sub-Part D	01/23/86	Y	N/A	01/20/86
Eastern Vitamins 1 Carrol St Clifton, NJ 07014	Marlon Durham, Plant Manager (201) 471-4600	439.46 Sub-Part D	09/24/87	Y	N/A	09/24/87
Hartz Mountain Corp. 192 Bloomfield Avenue Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	439.46 Sub-Part D	01/28/87	Y	N/A	02/10/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
H. Reisman Co. 377 Crane Street Orange, NJ 07051	Patrick J. Pollio Dir. of Mfg. (201) 677-9200	439.36 Sub-Part C 439.46 Sub-Part D	05/23/86	Y	N/A	05/23/86
Hoffman La Roche 340 Kingsland Street Nutley, NJ 07110	Steve Marga Manager (201) 235-4824	439.26 Sub-Part B 439.36 Sub-Part C 439.46 Sub-Part D	12/19/84	Y	N/A	05/07/84
Hoffman La Roche 97 Riverview Dr. Totowa, NJ 07512	Theodore J. Berger Ass't V.P. (201) 785-3950	439.46 Sub-Part D	01/01/88	Y	N/A	01/01/88
Kalama Chemicals, Inc. 290 River Drive Garfield, NJ 07026	H. A. Goel, Tech. Supt. (201) 779-8880	439.36 Sub-Part C 439.26 Sub-Part B	02/17/86	Y	N/A	12/11/85
Material Processing Tech Inc. 95 Prince Street Paterson, NJ 07501	L. Larcara Jr. Plant Manager (201) 279-4132	439.46 Sub-Part D	07/19/85	Y	N/A	09/13/84
Miles Laboratories Enzyme Products Division 193 Arlington Avenue Clifton, NJ 07015	K. Sproat, Plt. Mgr. (201) 772-4800	439.16 Sub-Part A	07/30/85	Y	N/A	06/12/84

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pharmaceuticals 40 CFR 439

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Napp Chemicals Inc. 199 Main Street Lodi, NJ 07644	Loren B. Zimmerman, Vice President (201) 773-3900	439.36 Sub-Part C	08/19/85	Y	N/A	06/11/84
Penco of Lyndhurst, Inc. 530-540 New York Avenue Lyndhurst, NJ 07071	Peter Trippett V.P. (201) 935-6600	439.26 Sub-Part B 439.36 Sub-Part C 439.46 Sub-Part D	07/19/85	Y	N/A	11/29/84
Penick Corp. 158 Mt. Olivet Avenue Newark, NJ 07114	Ronald Haraetz Dire of Tech (201) 621-2412	439.36 Sub-Part C 439.46 Sub-Part D	07/19/85	Y	N/A	10/10/84
Quality Formulation 204 Lackawanna Avenue West Paterson, NJ 07424	Mohamed Desoky President (201) 785-8760	439.46 Sub-Part D	10/26/87	Y	N/A	10/26/87
Roche Diagnostics 11 Franklin Avenue Belleville, NJ 07109	Theodore J. Berger Ass't V.P. (201) 235-4824	439.46 Sub-Part D	12/19/84	Y	N/A	05/07/84
The P.F. Labs 700 Union Blvd Totowa, NJ 07512	Michael A. Cecere V.P. Production (201) 256-3100	439.46 Sub-Part D	04/12/88	Y	N/A	04/12/88
Van Dyk & Company Main & William Street Belleville, NJ 07109	H. Isermann, President (201) 759-3225	439.36 Sub-Part C	08/28/85	Y	N/A	06/06/84

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Pesticides 40 CFR 455

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Calgon 200 Wagaraw Road Hawthorne, NJ 07507	Earl McDonald, Plant Engineer (201) 423-6100	455.26 Sub-Part A	08/11/86	Y	N/A	08/11/86
Givaudan Corp 125 Delawanna Ave. Clifton, NJ 07019	John Angiolini, Asst. Director Enviro Protection (201) 365-8486	455.26 Sub-Part A	07/16/86	Y	N/A	07/16/86
Hartz Mountain 192 Bloomfield Ave Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	455.46 Sub-Part C	08/10/87	Y	N/A	08/10/87
Troy Chemical One Ave. L Newark, NJ 07105	Edward Capasso, Director Enviromental and Regulatory Affairs (201) 589-2500	455.36 Sub-Part B	03/10/87	Y	N/A	03/10/87

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AR - 3 (Rev. 4/85)

KL10260.S

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Battery Manuf. 40 CFR 461

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Power Conversion, Inc 495 Boulevard Elmwood Park, NJ 07407	Thomas B. Reddy, Technical Director (201) 796-4800	461.54 Sub-Part E	11/18/86	Y	N/A	11/18/86

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BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Plastics Molding and Forming 40 CFR 463

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Hartz Mountain Corp. 192 Bloomfield Ave. Bloomfield, NJ 07003	Gilbert Kaye, Vice President (201) 743-8500	463.35 Sub-Part C	N/A	Y	N/A	N/A
Kleer-Kast Inc. Division PMC Inc. 450 Schuyler Ave. Kearny, NJ 07032	Charles Robinson, Technical Manager (201) 997-1880	463.15 Sub-Part A 463.25 Sub-Part B	N/A	Y	N/A	N/A
Van Ness Plastic Molding Co., Inc. 555 Cortlandt Street Belleville, NJ 07109	William Van Ness, President (201) 759-6200	463.15 Sub-Part A	N/A	Y	N/A	N/A
Wallace & Tiernan 25 Main Street Belleville, NJ 07109	R. Murphy, Vice President (201) 759-8000	463.15 Sub-Part A	N/A	Y	N/A	N/A

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Aluminum Forming 40 CFR 467

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
P & K Pole Products 84 Foundry Street Newark, NJ 07105	Frank J. Ballman, Plt. Mgr (201) 589-1500	467.25 Sub-Part B	12/16/86	Y	N/A	12/16/86
Warner Mfg. Company 100 Third Avenue Kearny, NJ 07032	G. Likos, Plt. Mgr. (201) 997-9100	467.35 Sub-Part C	07/19/85	Y	N/A	07/19/85

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Metal Moulding and Casting 40 CFR 464

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Atlantic Casting & Engineering 810 Bloomfield Avenue Clifton, NJ 07011	Jake Kastermans, Plant Manager (201) 779-2450	464.15 (a)	03/88	N	09/88	
Krementz & Co. 49 Chestnut Street Newark, NJ 07101	R. Paulukiewicz Manager (201) 621-8300	464.25 (a)	07/07/88	N	09/88	
Krementz & Co. 375 McCarter Highway Newark, NJ 07101	R. Paulukiewicz Manager (201) 621-8300	464.25 (a)	07/07/88	N	09/88	

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Copper Forming 40 CFR 468

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Driver Harris Alloys, Inc 309 Middlesex St Harrison, NJ 07029	R. Crabtree, Eng. Mgr (201) 483-4800	468.14 Sub-Part A	02/05/87	N	08/88	
Little Falls Alloys 189 Caldwell Avenue Paterson, NJ 07501	Orlando Veltri, V.P. (201) 278-1666	468.14 Sub-Part A	09/23/85	N	08/88	
The Okonite Co. Canal & Jefferson St. Passaic, NJ 07055	Peter Hartman Plt Mgr. (201) 1553	468 Sub-Part B	05/23/84	Y		05/23/84

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Pretreatment Standard for Electrical & Electronic Comp. 40 CFR 469

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Power Tech 0-02 Fairlawn Avenue Fairlawn, NJ 07410	Joseph Valley, Plt. Eng. (201) 791-5050	469.16 Sub-Part A	08/23/85	Y	N/A	08/23/85

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AR - 3 (Rev. 4/85)

BASELINE MONITORING REPORT DATA

Categorical Preatment Standard for Non Ferrous Metal Forming Powders 40 CFR 471

Facility Name & Address	Facility Contact Title Telephone No.	Applicable Sections of Federal Code	Date BMR Complete	Compliance Status (Y/N)	Projected Compliance Date	Date Final Compliance Achieved
Driver Harris Alloys Inc. 308 Middlesex St Harrison, NJ 07029	R. Crabtree, Eng. Mgr. (201) 483-4800	471.34 Sub-Part C	02/05/87	N	08/88	

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-5b

ANALYTICAL DATA SUMMARY POTW: Passaic Valley Sewerage Comm. NJPDES No.: _____ 1 of 1

Parameter	MONTHLY AVERAGE VALUES												Yearly Average	
	AUG 1987	SEPT 1987	OCT 1987	NOV 1987	DEC 1987	JAN 1988	FEB 1988	MARCH 1988	APRIL 1988	MAY 1988	JUNE 1988	JULY 1988	This Report Period	Last Report Period
POTW Flow (MGD)	224	232	226	220	232	233	249	230	220	256	230		232	222
BOD_5 (influent)	285	255	312	312	284	306	298	317	361	304	349		308	303
BOD_5 (effluent)	30	25	25	25	22	25	31	40	34	32	40		30	34
TSS (influent)	452	436	492	487	464	502	553	558	684	502	556		517	463
TSS (effluent)	13	22	27	33	30	34	42	35	42	18	18		29	42
pH (influent-Max)	9.8	9.5	10.4	8.5	9.2	9.2	9.3	8.8	8.5	8.4	9.0		10.4	8.5
pH (influent-Min)	4.4	6.0	5.7	5.5	6.6	6.0	5.1	6.0	6.0	6.1	4.9		4.4	6.1
Oil&Grease (inf)	48.2	43.9	37.4	68.4	71.1	205.9	110.6	38.7	114.8	122.8	64.8		84.2	66.3
Oil&Grease (eff)	8.4	5.2	11.3	16.2	9.0	22.2	6.6	8.6	8.4	96.4	10.9		18.5	30.7
COD (influent)	786	770	812	827	789	829	841	945	1020	835	910		851	769
COD (effluent)	169	161	188	193	184	200	204	238	234	190	225		198	194
Cadmium (inf)	0.009	0.009	0.008	0.006	0.017	0.009	0.013	0.015	0.012	0.010			0.010	0.019
Cadmium (eff)	0.004	0.004	0.003	0.003	0.006	0.006	0.007	0.006	0.005	0.004			0.005	0.006
Chromium (inf)	0.410	0.416	0.516	0.454	0.471	0.474	0.333	0.564	0.402	0.281			0.432	0.329
Chromium (eff)	0.108	0.103	0.164	0.178	0.183	0.245	0.158	0.232	0.154	0.068			0.159	0.120
Copper (inf)	0.245	0.211	0.246	0.234	0.235	0.219	0.499	0.362	0.472	0.338			0.306	0.291
Copper (Eff)	0.038	0.047	0.052	0.063	0.058	0.054	0.066	0.064	0.060	0.043			0.055	0.070
Lead (inf)	0.395	0.324	0.447	0.435	0.533	0.529	0.522	0.561	0.723	0.399			0.487	0.450
Lead (Eff)	0.051	0.017	0.059	0.084	0.116	0.104	0.097	0.081	0.085	0.076			0.077	0.072
Mercury (inf)	0.005	0.007	0.005	0.003	0.008	0.002	0.009	0.012	0.002	0.003			0.006	0.006
Mercury (eff)	0.002	0.002	0.002	0.001	0.004	0.004	0.004	0.002	0.001	0.001			0.002	0.002
Nickel (inf)	0.200	0.144	0.163	0.144	0.147	0.124	0.182	0.182	0.164	0.160			0.161	0.175
Nickel (Eff)	0.162	0.128	0.144	0.119	0.123	0.112	0.139	0.143	0.144	0.132			0.135	0.140
Arsenic	3.96	3.42	0.98	0.68	0.79	0.66	0.47	3.47	3.54	3.63			2.16	3.91
Cadmium	24	19	23	15	42	18	18	24	24	22			23	50
Chromium	961	744	709	738	683	997	869	726	587	536			755	745
Copper	802	691	714	742	704	713	619	692	773	715			717	593
Lead	1600	1081	1188	1292	1626	2264	1766	1774	1635	1373			1560	1490
Mercury	6.0	6.1	6.1	5.8	16.8	5.6	7.9	4.8	6.0	5.8			7.1	11.0
Nickel	166	111	123	120	121	102	96	172	124	80			122	119
Zinc	2104	2548	2811	2591	2273	1992	2004	1871	2128	2983			2330	2529
Cyanide	28.5	33.0	36.8	26.4	11.3	8.0	13.7	10.2	29.0				21.9	52.7

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ANALYTICAL DATA SUMMARY POTW: Passaic Valley Sewerage Comm. NJPDES No.: _____

Parameter	MONTHLY AVERAGE VALUES												Yearly Average	
	AUG 1987	SEPT 1987	OCT 1987	NOV 1987	DEC 1987	JAN 1988	FEB 1988	MAR 1988	APRIL 1988	MAY 1988	JUNE 1988	JULY 1988	This Report Period	Last Report Period
Zinc (inf)	0.978	0.948	1.350	1.192	0.998	0.988	1.167	1.32	1.76	1.62			1.232	1.164
Zinc (eff)	0.531	0.409	0.502	0.571	0.530	0.554	0.671	0.758	0.956	0.741			.622	0.562
Pet. Hydro(Eff)	0.1	2.22	2.63	2.00	1.08	0.72	1.04	1.01	4.96	1.11	0.59		1.59	55.3

UPDATED 1987 SUMMARY

ANALYTICAL DATA SUMMARY POTW: PASSAIC VALLEY SEWERAGE COMMISSIONERS NJPDES No.: 0021016 1 of 2

Parameter	AUG 1986	SEPT 1986	OCT 1986	NOV 1986	DEC 1986	JAN 1987	FEB 1987	MAR 1987	APR 1987	MAY 1987	JUN 1987	JUL 1987	Yearly Average This Report Period	Yearly Average Last Report Period
	MONTHLY AVERAGE VALUES													
OTW Flow (MGD)	209	199	199	222	233	240	238	235	256	209	204	221	222	214
BOD_5 (influent)	359	345	320	315	260	298	294	285	246	275	333	305	303	281
BOD_5 (effluent)	33	30	22	37	44	49	29	35	30	30	42	26	34	33
SS (influent)	525	663	510	416	380	382	391	410	419	492	511	462	463	443
SS (effluent)	15	23	24	64	90	101	40	38	43	27	19	17	42	30
H (influent-Max)	8.8	7.7	8.4	7.7	8.5	8.8	8.6	8.1	8.2	9.0	10.4	7.3	8.5	7.8
H (influent-Min)	6.2	6.5	6.2	6.4	6.4	6.5	6.6	6.6	6.4	6.4	2.0	6.7	6.1	6.4
Oil & Grease (inf)	41	128	20	223	120	40.2	32.3	37.6	51.0	29.8	30.5	42.1	66.3	45
Oil & Grease (eff)	---	---	18	178	49	12.5	6.0	5.5	5.1	11.4	7.9	13.3	30.7	NR
COD (influent)	796	858	850	779	703	715	747	732	665	765	864	753	769	766
COD (effluent)	149	164	195	212	237	242	198	192	188	185	209	154	194	196
Cadmium (inf)	0.032	0.020	0.026	0.016	0.016	0.016	0.019	0.018	0.023	0.018	0.014	0.009	0.019	0.021
Cadmium (eff)	0.006	0.004	0.012	0.008	0.011	0.009	0.006	0.005	0.005	0.007	0.002	0.004	0.007	0.006
Chromium (inf)	0.393	0.277	0.360	0.305	0.265	0.286	0.264	0.257	0.317	0.348	0.449	0.431	0.329	0.423
Chromium (eff)	0.121	0.086	0.140	0.170	0.140	0.118	0.136	0.081	0.124	0.111	0.104	0.112	0.120	0.095
Copper (inf)	0.247	0.370	0.282	0.194	0.223	------	0.434	0.305	0.272	0.397	0.300	0.177	0.291	0.285
Copper (eff)	0.086	0.068	0.094	0.080	0.109	0.100	0.027	0.051	0.031	0.060	0.089	0.042	0.070	0.059
Lead (inf)	0.446	0.460	0.390	0.465	0.348	0.420	0.460	0.254	0.319	0.438	0.846	0.558	0.450	0.434
Lead (eff)	0.056	0.056	0.090	0.125	0.153	0.100	0.066	0.041	0.053	0.054	0.044	0.033	0.073	0.047
Mercury (inf)	0.005	0.007	0.013	0.004	0.004	0.007	0.002	0.004	0.007	0.005	0.004	0.008	0.006	0.007
Mercury (eff)	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.000	0.004	0.002	0.001	0.002	0.002	0.001
Nickel (inf)	0.172	0.211	0.245	0.124	0.101	0.160	0.205	0.173	0.146	0.169	0.238	0.152	0.175	0.161
Nickel (eff)	0.118	0.155	0.155	0.114	0.094	0.120	0.169	0.164	0.136	0.163	0.184	0.112	0.140	0.142
Arsenic	5.24	6.05	2.80	5.37	4.64	2.15	1.67	3.24	5.09	3.22	3.75	3.74	3.91	6.14
Cadmium	89	47	58	44	43	42	58	62	53	48	33	28	50	66
Chromium	1120	757	549	579	544	535	565	830	689	802	930	1042	745	959
Copper	691	665	563	551	579	503	563	578	523	620	631	644	593	842
Lead	1408	1624	821	1422	1054	1445	2177	1163	1090	1187	2292	2255	1495	1830
Mercury	7.0	16.5	21.8	13.5	13.3	9.4	6.8	13.1	9.3	7.3	7.6	6.1	11.0	11.5
Nickel	116	118	113	104	104	97	149	125	102	139	142	120	119	107
Zinc	3825	2614	2903	3237	2283	1698	2201	2244	1720	2010	3321	2288	2529	2104
Mercury	65.7	44.5	81.2	52.4	74.8	40		35	44	60	52	50	52.7	76

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AR-5b

UPDATED 1987 SUMMARY

ANALYTICAL DATA SUMMARY POTW: PASSAIC VALLEY SEWERAGE COMMISSIONERS NJPDES No.: 0021016

Parameter	MONTHLY AVERAGE VALUES												Yearly Average	
	AUG 1986	SEPT 1986	OCT 1986	NOV 1986	DEC 1986	JAN 1987	FEB 1987	MARCH 1987	APRIL 1987	MAY 1987	JUNE 1987	JULY 1987	This Report Period	Last Report Period
Zinc (inf)	1.100	1.300	1.530	1.260	1.920	1.040	0.825	0.965	0.948	0.980	1.505	0.602	1.165	0.949
Zinc (eff)	0.372	0.354	0.955	0.815	0.910	0.790	0.410	0.598	0.424	0.500	0.324	0.298	0.562	0.557
Pet. Hydro (eff)	---	---	364	157	2.3	6.3	9.2	2.4	0.8	1.5	3.5	5.6	55.2	1.0

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AR-5c

SUMMARY OF POTW MONITORING PROGRAM

POTW: Passaic Valley Sewerage Commissioners

	This Reporting Period	Last Reporting Period
1. Number of industrial users (IU) included in POTW monitoring program.	362	355
2. Number of IU's added to POTW monitoring program.	28	28
3. Number of IU's eliminated from POTW monitoring program.	21	28
4. Total number of POTW inspections of IU's.	2309	2261
5. Total number of POTW sampling visits of IU's	3872	4413

COMMENTS:

KLL026109

UPSET, INTERFERENCE, AND PASS-THROUGH INCIDENTS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

Type of Incident	Frequency	Explanation/Reason for Incident(s)	Corrective Action(s) Taken
Effluent Soluble BOD leakage	Continuous	Incompatible conventional wastes	Hired consultant to investigate problem

KLL026110

AR-8

SUMMARY OF POTW COMPLIANCE ACTIONS

POTW Treatment Plant: Passaic Valley Sewerage Commissioners

TYPE OF ACTION	Number of POTW Actions to Obtain Compliance	
	This Reporting Period	Last Reporting Period
1. Administrative		
a. Notice of Violation (or equivalent)	208	138
b. Issuance of Compliance Schedule	136	47
c. IU Permit/Agreement Modification	0	0
d. IU Permit/Agreement Revocation	0	0
e. Other (describe)	0	0
2. Legal/Judicial		
a. Show Cause Hearing (includes Orders issued)	4	1
b. Fines	4	0
c. Injunction	0	0
d. Civil Penalty	0	0
e. Other (describe)	* 7	1

a. Total Cases Continued:	0
b. Total Cases Initiated:	4
c. Total Cases this Period: (a+b)	0
d. Total Cases Resolved:	0
e. Total Cases Outstanding: (c-d)	4

Note: A case may involve several of the actions.

COMMENTS:

* Back charges for carting excessive solids to dump (3).

Terminate service (4).

KLL026111

Sample

Industrial User Charge/Pretreatment Inspection Report

I. **Type of Inspection:** **Date of Inspection:**

a. User Charge _____
b. Categorical Determination _____
c BMR Verification _____
d. Other _____

II. **General Information**

a. Facility Name: _____
b. Parent Company or Affiliation: _____
c. Facility Mailing Address: _____
_____
_____
d. Facility Street Address: _____
_____
_____
e. Year present operations began at this facility: _____
Number of Employees _____ Hour of Operations _____
Shifts _____ Days/Week _____
f. Authorized Representative: _____
g. Facility Contact: _____
Title or Position: _____
Telephone No.: _____
h. Facility Personnel Present at Inspection: _____

III. **Product or Service Information:**

a. Narrative description of the primary manufacturing or service activity at the facility (Note if Batch, Continuous, Seasonal): _____
_____
_____
_____
_____
b. Principal Raw Materials used: _____
_____
_____
_____
_____

KLL026112

Sample

c. Principal Products Produced: _____

_____

_____

_____

d. List all additional activities and specific process occurring at this facility (e.g. Electroplating/Metal Finishing: identify specific processes, Laboratory, Research, etc.): _____

_____

_____

e. For BMR Verification Inspection - Does this accurately compare to the information submitted on the BMR? Yes_____ No_____ N/A_____
Comments: _____

_____

_____

IV. **Water Sources and Use**

a. Raw Water Sources
__ Public Water Supply: Specify _____
__ Private Well (s) _____
__ Surface Water: Specify _____

b. Are raw water sources metered or are other means available for flow measurement? Specify: _____

_____

c. Describe any water treatment or conditioning processes utilized:

_____

_____

d. Average daily water use (Specify source of data): _____

_____

e. Has the company provided a water flow schematic? Yes___ No___
If yes attached sketch. If no prepare sketch and attach.

f. Has the company provided a schematic process diagram? Yes___ No___
If not, prepare sketch and attach.

g. For BMR Verification Inspection - Does schematic process diagram submitted with the BMR adequately represent the actual facility?
Yes___ No___ If no, list deficiencies: _____

_____

_____

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Sample

V. **Environmental Controls Permits/Registrations Held**

a. Facility held permits/registrations
____ NJPDES: Specify type_____and NJDEP Permit Number _____ List parameters monitored in comments
___ Air Pollution: Site I.D. Number_____
____ RCRA (___Generator___Storage (90 days)___Treatment): I.D No.
NJDEP
___ ECRA
___ S.P.C.C. Plan
Groundwater discharge Yes____ No_____
If Yes, parameters monitored Yes_____ No_____
List parameters monitored in comments
___ Other: Specify_____
___ None

VI. **Air Pollution Related**

a. Are there any process tanks greater than 100 gallons? Yes___ No___

b. Are there any heated surface cleaners (e.g. vapor degreasers, etc)? Yes____ No____

c. Does this facility have any exhaust system in conjunction with their process operations (e.g. from plating tanks, painting rooms, vapor degreasers, etc.)? Yes____ No____
If yes, is the system registered? Yes____ No____
Describe:_____
_____

d. Are there any air pollution control devices? Yes____ No____
Describe:_____
_____

VII **Wastewater Information**

a Applicable Standards
___ Categorical standards (list applicable subparts):_____
_____
_____
___ State:_____
___ Local:_____

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Sample

b. Representative Sampling Point

(1) Describe sampling point (s) (if any) utilized by the facility. If none used, is a sampling point available? Describe:_____

_____

(2) Are the sampling point (s) utilized representative of the operations they are intended to monitor? Yes___ No___ If no, list deficiencies:

_____

_____

(3) Are regulated process streams metered or are other means available for flow measurement? Specify:_____

_____

_____

List Quantity of process wastewater discharged in gallons per day:

_____

_____

(4) If necessary, is sufficient flow data obtained to allow use of the combined wastestream formula? Yes___ No___ N/A___
Comments:_____

(5) Is a certified lab used for all official analyses? Yes___ No___ N/A___
Lab name and location:_____

_____

NJDEP No._____
Comments:_____

_____

VIII **Pretreatment Facilities**

a. Is any treatment performed on the wastewater prior to discharge to the public sewer? Yes___ No___
Describe/Comments:_____

_____

_____

b. Is any treatment proposed to be utilized on the wastewater prior to discharge to the public sewer? Yes___ No___ N/A___
Comments:_____

_____

_____

KLL026115

TAE000775

Sample

c. Is the facility operating under a compliance schedule to install treatment or otherwise attain compliance with applicable standards?
Yes___ No___ N/A___ If no, is facility in compliance? Yes___ No___
Comments:_____

d. Does this facility generate any sludge or other residuals as a result of its pretreatment operations? Yes___ No___ N/A___
Comments:_____

How is this sludge disposed of?_____

e. Licensed Operator

(1) NJDEP Permit: Issued___ Application Requested___
Application Requested___ Application Submitted___
Not Required___
Is treatment performed or proposed (see A and B above)?
Yes___ No___

(2) Does this facility requred a licensed operator? Yes___:
Classification_____
No___:
Name (s) of licensed operator, if any:_____

IX **Waste**

a. Does this facility generate any waste process materials (spent solvents, spent acids, etc)? Yes___ No___ If Yes, Describe:_____

Quantity generated per month:_____
How stored:_____

How disposed:_____

KLL026116

TAE000776

Sample

b. Does this facility generate any residuals as a result of its operations?
Yes___ No___ If Yes, Describe:_____

_____

_____

Quantity generated per month:_____
How stored:_____

_____

How disposed:_____

_____

c. Does this facility have a designated or centralized area (s) for the storage of hazardous waste? Yes___ No___ N/A___ (No hazardous waste generated)
Comments:_____

_____

_____

X **Toxic Organics Management**

a. Are categorical organics used on site? Yes___ No___

Type	How Much	How Used
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Has the facility chosed the TTO Plan option? Yes___ No___ N/A___
If yes, has a TTO Management Plan been submitted for approval?
Yes___ No___

Are other non-categorical organics used on-site in more than laboratory quantities? Yes___ No___

Type	How Much	How Used
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

KLL026117

TAE000777

Sample

B. Storage

(1) Are the raw organics stored in an area appropriately safeguarded against spills reaching the sewer: Yes___ No___
Comments:_____
_____
_____

(2) Are the spent organics stored in an area appropriately safegauarded against spills reaching the sewer? Yes___ No___ N/A ___
Comments:_____
_____
_____

C. Handling Procedures

(1) Have adequate handling procedures been developed to prevent organics used during process operations from reaching the sewer in amounts exceeding federal standards? Yes___ No___ N/A___
(No federal standard)

(2) Are personnel actively implementing these procedures?
Yes___ No___ Not Observed___
Comments:_____
_____
_____

D. How are the organics used on site disposed of?_____
_____
_____
_____
_____

If licensed hauler used, which one?_____

KLL026118

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Sample

INSTRUMENTATION

Flow meter (Specify type & readings gals, ft^3 etc)_____
Flow meter recorder (Type including decimal place)_____
Is flow meter non-resettable (Yes or No)_____
pH meter (Note reading)_____
pH recorder_____
LEL meter (Note reading)_____
Alarms_____
pH of effluent at outlet (s)_____

SAMPLING PROCEDURES

Does company have composite sampler (Yes or No)_____
Can sampler be sealed (Yes or No)_____
Accessable sample point (Yes or No)_____
Is sample hose in proper place (Yes or No)_____
Sample preservation:
- Oil & grease - H_2SO_4_____
- Heavy metals - HNO_3_____
- Cyanide - NaOH_____
- Refrig. Sampler - (Yes or No)_____
- Temperature of sample;_____

Type of sample:
- Composite_____
- Grab_____

Analysis required;
- TSS_____
- BOD_____
- pH_____
- Other_____

ANALYTICAL INSTRUMENTS RECOMMENDED

Portable LEL_____
Portable Samplers_____
Manual Samplers_____
pH Recorder_____
LEL Recorder_____

KLL026119

TAE000779

Sample

X1 **Comments**

KLL026120

TAE000780

Sample

XII Inspector (s)

Name: _____
Title _____
Signature: _____

Name: _____
Title: _____
Signature: _____

Prepared by: _____

Reviewed by: _____
Date Reviewed Complete: _____
Signature: _____

KLL026121

TAE000781

APPENDIX A

ALPHABETICAL LIST OF ACTIVE VIOLATIONS

NAME	COMMUNITY	NOV DATE	SECTION	SCPNO
ALFRED HELLER HEAT	CLIFTON	02/08/88	413	03400372
ALFRED HELLER HEAT	CLIFTON	02/11/88	413.15	03400372
ALFRED HELLER HEAT	CLIFTON	03/30/88	413	03400372
ALFRED HELLER HEAT	CLIFTON	04/19/88	413	03400372
ARATEX SERVICES, INC	NEWARK	06/14/88	312.1 D	21402972
ATLAS METAL FINISHNG	NEWARK	07/21/88	403.12	20405292
ATLAS REFINERY	NEWARK	04/08/88	312.1D	20402420
ATLAS REFINERY INC.	NEWARK	06/28/88	312.1 D	20402420
BON-ART INTNL. INC.	NEWARK	07/21/88	403.12	20405263
CAPITAL CITY PROD	KEARNY	01/22/88	312.1B	15403300
COMET CHEMICAL	NEWARK	06/20/88	403.12	20401472
CONTEMPORARY COSMTCS	ELMWOOD PARK	07/21/88	403.12	07409997
DRIVER HARRIS AL	HARRISON	03/21/88	420	13401283
DRIVER HARRIS AL	HARRISON	03/22/88	468	13401283
E&W PIECE DYE	EAST NEWARK	06/24/88	312.1 D	04404470
FABRICOLOR MFG	PATERSON	06/20/88	403.12	27401800
FREY INDUSTRIES	NEWARK	01/26/88	312.1A	20409999
GIVAUDAN CORP	CLIFTON	02/26/88	312.1B	03401024
GIVAUDAN CORP	CLIFTON	04/13/88	APPENDIX B	03401024
GRAVER CHEMICAL DIV.	NEWARK	07/29/88	312.1 B	20402243
HENKEL CORP	HARRISON	05/25/88	312.1D	13405320
HENKEL CORPORATION	HARRISON	06/28/88	312.1 D	13405320
HEOBACH INC	NEWARK	02/18/88	415	20404642
IDEAL PLATING	BELLEVILLE	06/29/88	413	01403600
ITT DEFENSE	NUTLEY	07/21/88	403.12	24403740
J L PRESCOTT COMPANY	PASSAIC	06/24/88	312.4B	26402564
KINGSLAND DRUM &	NEWARK	04/14/88	312.1D	20402840
LAUNDER LEASING	NEWARK	05/09/88	312.1D	20404380
MANCO PLATING CO	NEWARK	02/22/88	413	20400710
MANCO PLATING, INC	NEWARK	07/20/88	403.12	20400710
N J TANNING CO	NEWARK	05/25/88	425	21401330
NUTRONIC CIRCUIT CO.	PATERSON	07/22/88	413 H	27404682
ORBIS PROD CORP	NEWARK	06/20/88	403.12	21401032
PLATING CITY CORP	NEWARK	04/27/88	413	20404180
QUALITY FORMULATION	WEST PATERSON	07/21/88	403.12	34405682
RIVERSIDE LINNEN	PATERSON	03/23/88	312.1B	27401830
SETON LEATHER CO	NEWARK	07/13/88	425.95	20401363
SETON LEATHER CO.	NEWARK	06/22/88	425	20401363
THORN INC	PATERSON	06/07/88	312.1B	27400070
TROY CHEMICAL CO	NEWARK	06/14/88	APPENDIX B	20403290
WALLACE & TIERNAN	BELLEVILLE	07/21/88	433	01402162

KLL026122

APPENDIX A

LIST OF ACTIVE VIOLATIONS

NOV DATE	NAME	COMMUNITY	SCFNO	SECTION
01/22/88	CAPITAL CITY PROD	KEARNY	15403300	312.1B
01/26/88	FREY INDUSTRIES	NEWARK	20409999	312.1A
02/08/88	ALFRED HELLER HEAT	CLIFTON	03400372	413
02/11/88	ALFRED HELLER HEAT	CLIFTON	03400372	413.15
02/18/88	HEUBACH INC	NEWARK	20404642	415
02/22/88	MANCO PLATING CO	NEWARK	20400710	413
02/26/88	GIVAUDAN CORP	CLIFTON	03401024	312.1B
03/21/88	DRIVER HARRIS AL	HARRISON	13401283	420
03/22/88	DRIVER HARRIS AL	HARRISON	13401283	468
03/23/88	RIVERSIDE LINNEN	PATERSON	27401830	312.1B
03/30/88	ALFRED HELLER HEAT	CLIFTON	03400372	413
04/08/88	ATLAS REFINERY	NEWARK	20402420	312.1D
04/13/88	GIVAUDAN CORP	CLIFTON	03401024	APPENDIX B
04/14/88	KINGSLAND DRUM &	NEWARK	20402840	312.1D
04/19/88	ALFRED HELLER HEAT	CLIFTON	03400372	413
04/27/88	PLATING CITY CORP	NEWARK	20404180	413
05/09/88	LAUNDER LEASING	NEWARK	20404380	312.1D
05/25/88	HENKEL CORP	HARRISON	13405320	312.1D
05/25/88	N J TANNING CO	NEWARK	21401330	425
06/07/88	THORN INC	PATERSON	27400070	312.1B
06/14/88	ARATEX SERVICES, INC	NEWARK	21402972	312.1 D
06/14/88	TROY CHEMICAL CO	NEWARK	20403290	APPENDIX B
06/20/88	COMET CHEMICAL	NEWARK	20401472	403.12
06/20/88	FABRICOLOR MFG	PATERSON	27401800	403.12
06/20/88	ORBIS PROD CORP	NEWARK	21401032	403.12
06/22/88	SETON LEATHER CO.	NEWARK	20401363	425
06/24/88	E&W PIECE DYE	EAST NEWARK	04404470	312.1 D
06/24/88	J L PRESCOTT COMPANY	PASSAIC	26402564	312.4B
06/28/88	ATLAS REFINERY INC.	NEWARK	20402420	312.1 D
06/28/88	HENKEL CORPORATION	HARRISON	13405320	312.1 D
06/29/88	IDEAL PLATING	BELLEVILLE	01403600	413
07/13/88	SETON LEATHER CO	NEWARK	20401363	425.95
07/20/88	MANCO PLATING, INC	NEWARK	20400710	403.12
07/21/88	ATLAS METAL FINISHNG	NEWARK	20405292	403.12
07/21/88	BON-ART INTNL. INC.	NEWARK	20405263	403.12
07/21/88	CONTEMPORARY COSMTCS	ELMWOOD PARK	07409997	403.12
07/21/88	ITT DEFENSE	NUTLEY	24403740	403.12
07/21/88	QUALITY FORMULATION	WEST PATERSON	34405682	403.12
07/21/88	WALLACE & TIERNAN	BELLEVILLE	01402162	433
07/22/88	NUTRONIC CIRCUIT CO.	PATERSON	27404682	413 H
07/29/88	GRAVER CHEMICAL DIV.	NEWARK	20402243	312.1 B

KLL026123

APPENDIX A

VIOLATION HISTORY

ALFRED HELLER HEAT
5 WELLINGTON ST
CLIFTON

PERMIT NO
03400372

VIOLATION DATE	REF SECTION	SCHEDULED ELIMINATION	ACTUAL ELIMINATION
01/21/88	403.12		01/27/88
02/08/88	413		
02/11/88	413.15		
03/30/88	413		
04/19/88	413		

KLL026124

APPENDIX A

SUMMARY OF EACH VIOLATION

CALGON CORP
200 WAGAROW RD
HAWTHORNE

PERMIT NO
14402342

SUMMARY

NOV DATE	SECTION VIOLATED	DESCRIPTION
02/16/88	415.2	PRE EQ. NOT OPER. PROPERL

FOLLOWUP	DATE	REMARKS
FIRST	03/04/88	MGMT. CONTROL TIGHTENED
SECOND		
THIRD		
FOURTH		

SCHEDULED ELIMINATION	ACTUAL ELIMINATION
	03/04/88

NOV DATE	SECTION VIOLATED	DESCRIPTION
02/16/88	APPENDIX B	MONIT. EQUIP. DISCONN.

FOLLOWUP	DATE	REMARKS
FIRST	03/04/88	RESPONSE NEEDS CLARIFICAT
SECOND	03/22/88	CLARIFICATION PROVIDED
THIRD		
FOURTH		

SCHEDULED ELIMINATION	ACTUAL ELIMINATION
	03/22/88

NOV DATE	SECTION VIOLATED	DESCRIPTION
04/29/88	312.1B	EXCEEDED PH LIMIT

FOLLOWUP	DATE	REMARKS
FIRST	05/10/88	MGMT. CONTROL TIGHTENED
SECOND		
THIRD		
FOURTH		

SCHEDULED ELIMINATION	ACTUAL ELIMINATION
	05/10/88

KLL026125

Appendix A

Metals	lbs/day in Influent	lbs/day in Sample	% Accounted for:	lbs/day in Sludge
Cadmium	21.4	6.153	28.7	13.3
Chromium	673.0	351.8	52.3	326.9
Copper	797.01	139.9	17.6	432.5
Lead	1116.3	653.0	58.5	863.1
Nickel	312.6	19.7	6.3	62.2
Zinc	3276.0	88.8	2.7	1401.8

It is of particular interest to note following:

of the 21.4 lbs of Cadmium in the influent, 4.01 lbs was from one source.
of the 673.0 lbs of Chromium in the influent 129.2 lbs was from one source
of the 797.0 lbs of Copper in the influent 93.9 lbs was from one source
of the 1116.3 lbs of Lead in the influent 363.5 lbs was from one source
of the 312.6 lbs of Nickel in the influent 5.71 lbs was from one source
of the 3276.0 lbs of Zinc in the influent 38.3 lbs was from one source

KLL026126

R/W
-21 Pretreatment
NJPDES NJ 0

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

AUG 15 1988

Mr. Mario Graglia
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, New Jersey 07105

Dear Mr. Graglia:

Re: Testing for Amenable Cyanide

This letter is to confirm your June 6, 1988 telephone conversation with Mort Fisch of this office regarding Passaic Valley Sewerage Commissioners' (PVSC's) industrial user (IU) and internal testing for Amenable Cyanide. The Pretreatment Section agrees that because Amenable Cyanide (CN-A) is a portion of Total Cyanide (CN-T), testing for CN-T only is sufficient if the concentration of CN-T is less than or equal to the concentration limit for CN-A.

Please note that all affected IUs should be notified of this procedural change in writing. Also note that our authority to approve this effort to save laboratory costs does not cover testing required under programs other than the Industrial Pretreatment Program (IPP), such as monitoring required by PVSC's NJPDES discharge to surface water permit.

If you have any questions, please contact Christine Mason at (609) 633-3823.

Sincerely,

Mort Fisch for MJA

Mary Jo M. Aiello, Acting Chief
Industrial Pretreatment Section
Bureau of Industrial Waste Management

WFM192:cm

KLL026127

TAE000787

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Project No.:88-14265 (H)

P.O. No.:106767

Date: May 10, 1988

ANALYTICAL DATA REPORT PACKAGE
FOR

PASSAIC VALLEY SEWAGE COMMISSION

600 WILSON AVENUE

NEWARK, N.J. 07105

ATTN: MR. A. MARTINELLI

SAMPLE IDENTIFICATION	LABORATORY NUMBER	TYPE OF SAMPLE	DATE AND TIME OF SAMPLE COLLECTION
DI-310	N8-5016	WATER	4/18/88 - 4/19/88

RECEIVED
MAY 13 1988

REPORT PREPARED BY:
PARAG K. SHAH, Ph. D.
ORGANIC LAB. MANAGER

WE CERTIFY THAT THIS REPORT IS A TRUE REPORT OF RESULTS OBTAINED FROM OUR TESTS OF THIS MATERIAL.

RESPECTFULLY SUBMITTED,
NYTEST ENVIRONMENTAL INC.

DOUGLAS SHEELEY
LABORATORY DIRECTOR

ROCO GIGANTE
EXECUTIVE V.P.

gh

NJ Cert #73469

Report on sample(s) furnished by client applies to sample(s). Report on sample(s) obtained by us applies only to lot sampled. Information contained herein is not to be used for reproduction except by special permission. Sample(s) will be retained for thirty days maximum after date of report unless specifically requested otherwise by client. In the event that there are portions or parts of sample(s) remaining after Nytest has completed the required tests, Nytest shall have the option of returning such sample(s) to the client at the client's expense.

ak

box 1518 □ 60 seaview blvd., port washington, ny 11050 □ (516) 625-5500

KLL026128

TAE000788

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Project No.: 88-14265 (H)

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KLL026129

KLL026130

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

P.O. # 106767

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
	PRIORITY POLL. PVSC INFLUENT

CLIENT NAME: PASSAIC VALLEY SEWERAGE COMM.

LAB.#

SAMPLE I.D. NO.	DATE	TIME	COMP	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	NITROGEN	OIL & GREASE	CYANIDE	PHENOL	VOLATILE	METALS	ORGANICS	BACTERIAL	TOC COD	OTHER	UNPRESERVED	REMARKS / ADDITIONAL REQUIREMENTS
DI-310	4/18/88 4/19/88		2	1	INFLUENT SAMPLING TROUGH	3												PRIORITY POLL. GC/MS (625)
																		ACID, BASE NEUTRALS
																		PRIORITY POLL GC/MS (608)
																		PESTICIDES/PCB'S.
																		PRIORITY POLL. GC/MS (624)
																		VOLATILES
																		PRIORITY POLL ~~GC/MS~~ (200, 206, 245)
																		(See Contract # 210-1
																		Items 13, 14, 15, 16)

Shipped Via: Pick up by NYTEST

Relinquished by (Signature) / Printed Name	Date/Time	Agent of:	Rec'd. by (Signature) / Printed Name	Date/Time	Agent of:
A.A. Martinelli / A.A. MARTINELLI	4/20/88 1:35	PVSC	[signature] / [signature]	4/20/88 1:40	NYT.
[signature] / J. DOCKENDIZ	4/20 6:00	NYT			
		Received for laboratory by (Signature) [signature] / Printed Name CHRISTINE SUPPLE	4/20 6:00	Remarks:	

Sampler (Signature)

Sampler Name (Print)

000001

TAE000790

Laboratory Chronicle

Project No:88-14265

Client Name:PASSAIC VALLEY

Date Recieved: 4/20/88
Sample ID: DI-310

Organics Extraction:

1. Acids 4/23/88
2. Base/Neutrals 4/23/88
3. Pesticides/PCBs 4/20/88
4. Dioxin

Analysis:

1. Volatiles 4/22/88
2. Acids 5/2/88 - 5/3/88
3. Base/Neutrals 5/2/88 - 5/3/88
4. Pesticides/PCBs 4/27/88
5. Dioxin

Section Supervisor
Review & Approval

Inorganics:

1. Metals 4/26/88 - 4/28/88
2. Cyanides
3. Phenols

Other Analysis:

Section Supervisor
Review & Approval

Quality Control Supervisor
Review & Approval

If fractions are re-extracted and re-analyzed include dates for both.

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000002

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nytest environmental inc.

Methodology Summary
NYTEST ENVIRONMENTAL INC.

AQUEOUS SAMPLE PREPARATION Reference (1)

Flame Sample Preparation	200.0
Furnace Sample Preparation	200.0
Mercury Sample Preparation	245.1
Hexavalent Chromium Sample Preparation	218.5

NON-AQUEOUS EXTRACTIONS Reference (2)

SOIL AND SEDIMENT SAMPLES:

Flame Sample Preparation	3050
Furnace Sample Preparation	3050
Mercury Sample Preparation	7471

SLUDGE/PETROLEUM BASED SAMPLES: Reference (2)

Flame Sample Preparation	3010 /3030 /3050
Furnace Sample Preparation	3020 /3030 /3050
Mercury Sample Preparation	7471

FLAME AA (Aqueous/Non-Aqueous) Reference (1) (2)

Aluminum	202.1
Antimony	204.1/7040
Barium	208.1/7080
Beryllium	210.1/7090
Cadmium	213.1/7130
Chromium	218.1/7190
Cobalt	219.1
Copper	220.1/7210
Iron	236.1/7381
Lead	239.1/7420
Manganese	243.1/7460
Molybdenum	246.1
Nickel	249.1/7520
Potassium	258.1
Silver	272.1/7760
Sodium	273.1/7770
Tin	284.1
Vanadium	286.1/7910
Zinc	289.1/7950

nytest environmental inc

Methodology Summary - Cont'd

FURNACE AA	Reference (1) (2)	
Antimony		204.1/7041
Arsenic		206.2/7060
Lead		239.2/7421
Selenium		270.2/7740
Thallium		279.2/7841
Tin		282.2
Vanadium		286.2/7911

AQUEOUS METHODOLOGIES	Reference (3)	
Organochlorine Pesticides and PCB's by Gas Chromatography		608
Herbicides by Gas Chromatography		362
Purgeable Organics by GC/MS		624
Base/Neutral, Acid by GC/MS		625
2.3.7.8-TCDD by GC/MS		613/625
Petroleum Hydrocarbons	Reference (1)	418.1

NON-AQUEOUS METHODOLOGIES	Reference (2)	
Gas Chromatography/Mass Spectrometry for:		
Purgeable Organics		8240
Base/Neutral and Acid Extractables		
Organochlorine Pesticides and PCB's by Gas Chromatography		8080
Petroleum Hydrocarbons	Reference (1 & 4)	418.1

MISCELANEOUS ANALYSIS	Reference (2)	
Ectraction Procedure Toxicity		1310
Ignitability		1010
Corrosivity		1110
Reactivity		Chapt.8.3
Toxicity Characteristic Leaching Procedure (TCLP)		Reference 5

REFERENCE

(1) - 600/4-79-002 Methods for Chemical Analysis of Water and Waste
(2) - SW 846 Test Methods for Evaluating Solid Waste
(3) - 40 CFR Part 136, Vol. 49, No. 209 Test Parameters for the Analysis of Pollutants
(4) - as modified by NJDEP-BISE
(5) - Federal Register VOL 51 No. 2216 Friday 11/7/87 P. 40643 - 40652

nytest environmental inc

ORGANIC DATA REPORTING QUALIFIERS

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detected limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g.: If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.)

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and war the data user to take appropriate action.

D This flag identifies all compounds identified in an analysis at a secondary dilution factor.

ORGANICS ANALYSIS DATA SHEET

SAMPLE NUMBER: DI-310

Contractor:NYTEST ENVIRONMENTAL INC.
Lab Sample ID No: N8-5016
Sample Matrix:WATER
Data Release Authorized By:

QC Report No:
Project No: 88-12978
Date Sample Received: 01/23/88

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: NA
Date Analyzed: 04/22/88
Conc/Dil Factor: 25 pH:

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	250.0 U	79-34-5	1,1,2,2-Tetrachloroethane	125.0 U
74-83-9	Bromomethane	250.0 U	78-87-5	1,2-Dichloropropane	125.0 U
75-01-4	Vinyl Chloride	250.0 U	10061-02-6	Trans-1,3-Dichloropropene	125.0 U
75-00-3	Chloroethane	250.0 U	79-01-6	Trichloroethene	125.0 U
75-09-2	Methylene Chloride	125.0 U	124-48-1	Dibromochloromethane	125.0 U
67-64-1	Acetone	650.0	79-00-5	1,1,2-Trichloroethane	125.0 U
75-15-0	Carbon Disulfide	125.0 U	71-43-2	Benzene	125.0 U
75-35-4	1,1-Dichloroethene	125.0 U	10061-01-5	cis-1,3-Dichloropropene	125.0 U
75-34-3	1,1-Dichloroethane	125.0 U	110-75-8	2-Chloroethylvinylether	250.0 U
156-60-5	Trans-1,2-Dichloroethene	125.0 U	75-25-2	Bromoform	125.0 U
67-66-3	Chloroform	110.0 J	591-78-6	2-Hexanone	250.0 U
107-06-2	1,2-Dichloroethane	125.0 U	108-10-1	4-Methyl-2-Pentanone	250.0 U
78-93-3	2-Butanone	250.0 U	127-18-4	Tetrachloroethene	125.0 U
71-55-6	1,1,1-Trichloroethane	125.0 U	108-88-3	Toluene	1000.0
56-23-5	Carbon Tetrachloride	125.0 U	108-90-7	Chlorobenzene	125.0 U
108-05-4	Vinyl Acetate	250.0 U	100-41-4	Ethylbenzene	125.0 U
75-27-4	Bromodichloromethane	125.0 U	100-42-5	Styrene	125.0 U
			—	Total Xylenes	125.0 U
				Total Dichlorobenzene	750.0 U
			107-02-8	Acrolein	2500.0 U
			107-13-1	Acrylonitrile	2500.0 U

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE if the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTH Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

KLL026135

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TAE000795

ORGANIC ANALYSIS DATA SHEET

Contractor: NYTEST ENVIRONMENTAL INC.
Project No: 89-14265

SAMPLE NO: DI-310

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 04/23/88
Date Analysed: 05/03/88
Conc/Dil Factor: 2
Percent Moisture not Decanted: NA

GPC Cleanup: __ Yes _X_ No
Separatory Funnel Extraction: _x_ Yes
Continuous Liquid-Liquid Extraction: __ Yes

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	20.0 U
108-95-2	Phenol	710.0
62-53-3	Aniline	20.0 U
111-44-4	bis(-2-Chloroethyl)Ether	20.0 U
95-57-8	2-Chlorophenol	20.0 U
541-73-1	1,3-Dichlorobenzene	20.0 U
106-46-7	1,4-Dichlorobenzene	20.0 U
100-51-6	Benzyl Alcohol	20.0 U
95-50-1	1,2-Dichlorobenzene	20.0 U
95-48-7	2-Methylphenol	17.0 J
39638-32-9	bis(2-chloroisopropyl)Ether	20.0 U
106-44-5	4-Methylphenol	20.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	20.0 U
67-72-1	Hexachloroethane	20.0 U
98-95-3	Nitrobenzene	20.0 U
78-59-1	Isophorone	6.0 J
88-75-5	2-Nitrophenol	20.0 U
105-67-9	2,4-Dimethylphenol	5.0 J
65-85-0	Benzoic Acid	110.0
111-91-1	bis(-2-Chloroethoxy)Methane	20.0 U
120-83-2	2,4-Dichlorophenol	20.0 U
120-82-1	1,2,4-Trichlorobenzene	20.0 U
91-20-3	Naphthalene	4.0 J
106-47-8	4-Chloroaniline	20.0 U
87-68-3	Hexachlorobutadiene	20.0 U
59-50-7	4-Chloro-3-Methylphenol	20.0 U
91-57-6	2-Methylnaphthalene	20.0 U
77-47-4	Hexachlorocyclopentadiene	20.0 U
88-06-2	2,4,6-Trichlorophenol	20.0 U
95-95-4	2,4,5-Trichlorophenol	100.0 U
91-58-7	2-Chloronaphthalene	20.0 U
88-74-4	2-Nitroaniline	100.0 U
131-11-3	Dimethyl Phthalate	20.0 U
208-96-8	Acenaphthylene	20.0 U
99-09-2	3-Nitroaniline	100.0 U

CAS Number		ug/l or (Circle One)
83-32-9	Acenaphthene	20.0 U
51-28-5	2,4-Dinitrophenol	100.0 U
100-02-7	4-Nitrophenol	100.0 U
132-64-9	Dibenzofuran	20.0 U
121-14-2	2,4-Dinitrotoluene	20.0 U
606-20-2	2,6-Dinitrotoluene	20.0 U
84-66-2	Diethylphthalate	20.0 U
7005-72-3	4-Chlorophenyl-phenylether	20.0 U
86-73-7	Fluorene	20.0 U
100-01-6	4-Nitroaniline	100.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	100.0 U
86-30-6	N-Nitrosodiphenylamine (1)	20.0 U
101-55-3	4-Bromophenyl-phenylether	20.0 U
118-74-1	Hexachlorobenzene	20.0 U
87-86-5	Pentachlorophenol	100.0 U
85-01-8	Phenanthrene	20.0 U
120-12-7	Anthracene	20.0 U
84-74-2	Di-n-Butylphthalate	23.0
206-44-0	Fluoranthene	20.0 U
92-87-5	Benzidine	160.0 U
129-00-0	Pyrene	20.0 U
85-68-7	Butylbenzylphthalate	20.0 U
91-94-1	3,3'-Dichlorobenzidine	40.0 U
56-55-3	Benzo(a)Anthracene	20.0 U
117-81-7	Bis(2-Ethylhexyl)Phthalate	20.0 U
218-01-9	Chrysene	20.0 U
117-84-0	Di-n-Octyl Phthalate	20.0 U
205-99-2	Benzo(b)Fluoranthene	20.0 U
207-08-9	Benzo(k)Fluoranthene	20.0 U
50-32-8	Benzo(a)Pyrene	20.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	20.0 U
53-70-3	Dibenz(a,h)Anthracene	20.0 U
191-24-2	Benzo(g,h,i)Perylene	20.0 U
	Dioxin	ND

(1) - Cannot be separated from diphenylamine

KL 026136

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TAE000796

ORGANICS ANALYSIS DATA SHEET

SAMPLE NUMBER: DI-310

Contractor: NYTEST ENVIRONMENTAL INC.
Project No: 88-14265

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

GPC Cleanup __ Yes _X_ No
Separatory Funnel Extraction _X_ Yes
Continuous Liquid-liquid Extraction __ Ye

Date Extracted/Prepared: 4/2/88
Date Analyzed: 4/27/88
Conc/Dil Factor: 1

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
1031-07-8	Endosulfan Sulphate	0.10 U
50-29-3	4,4'-DDT	0.10 U
53494-70-5	Endrin Ketone	0.10 U
72-43-5	Methoxychlor	0.50 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs 1000 or Ws _____ Vt 10000 Vi 5

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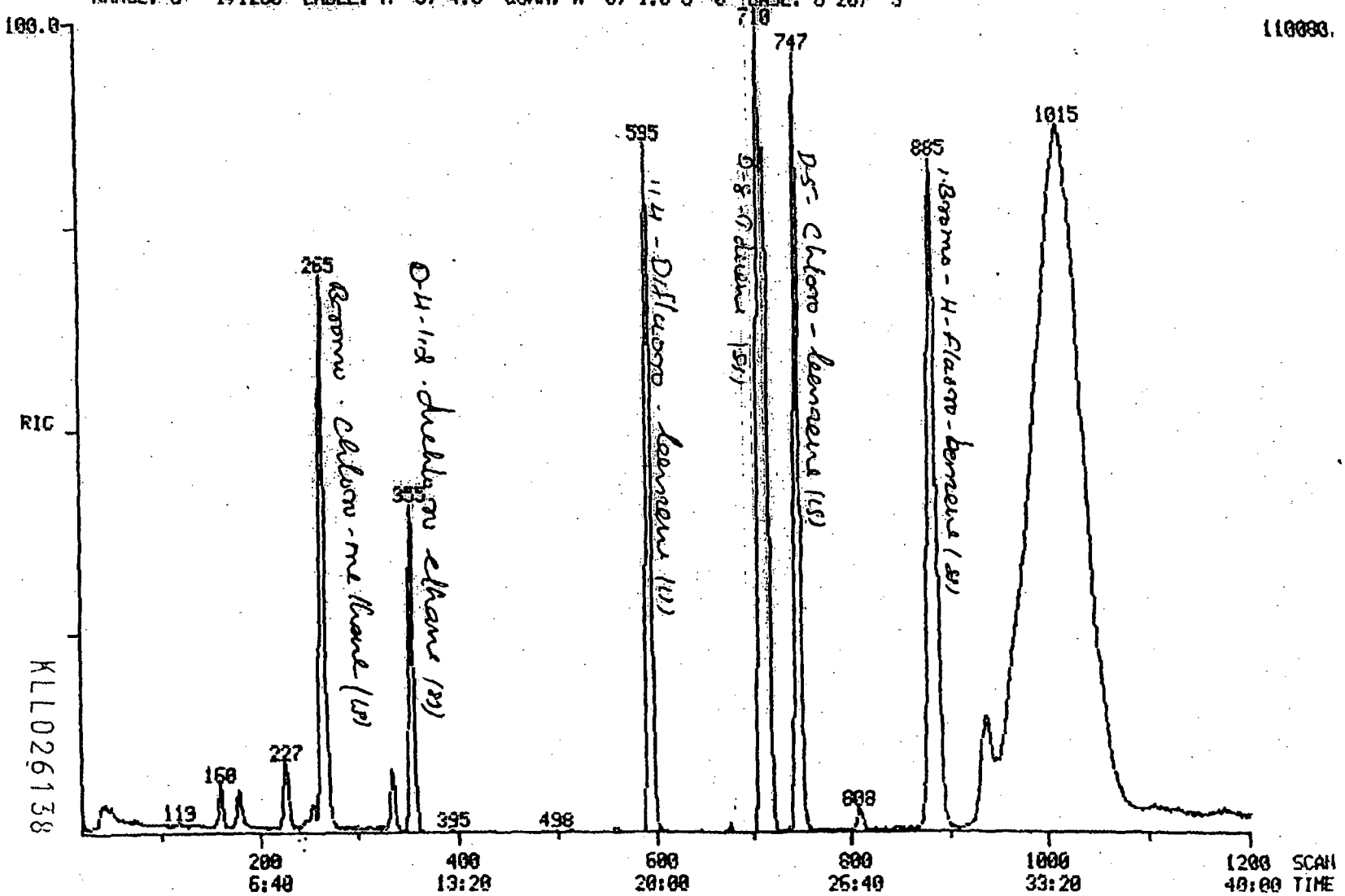
TAE000797

RIC
04/22/88 23:32:00
SAMPLE: PASSAIC VALLEY,D1-310(4-19),N8-5016,RECD 4-20-88
CONDS.: 200UL/SPLIT
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: D4278 #366
CALI: D4278 #2

SCANS 20 TO 1200



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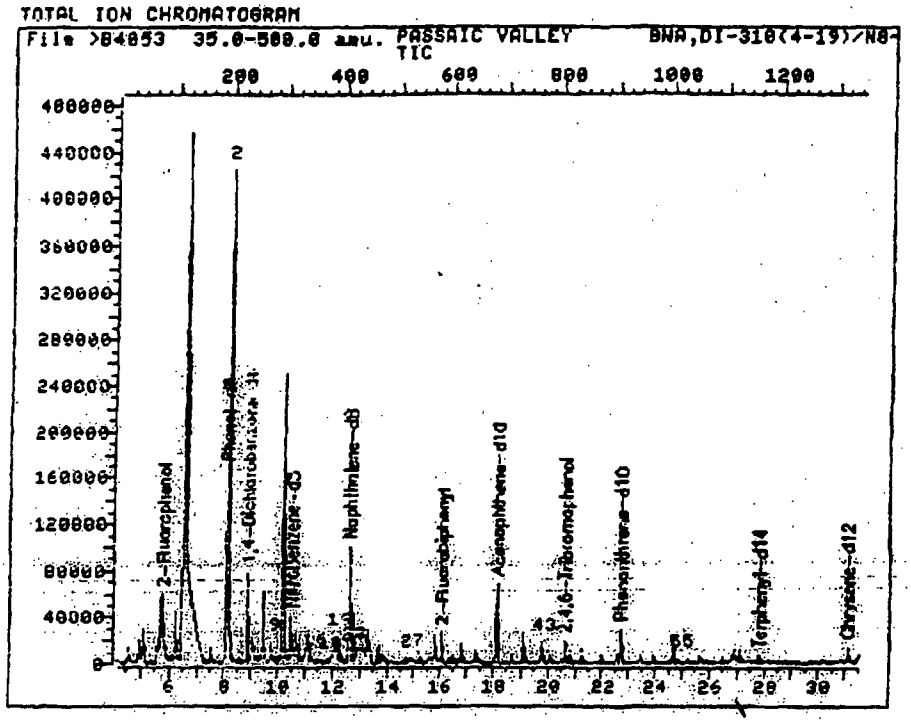
TAE000798

TOTAL ION CHROMATOGRAM



Data File: >B4053::D1 Quant Output File: ^B4053::QT
Name: PASSAIC VALLEY
Misc: BNA,DI-310(4-19)/N8-5016,1000ML/ML,1:2D,R4/20,E4/23,87BTL#17

Id File: BNA2::HQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 880502 13:25

Operator ID: NG
Quant Time: 880503 05:44
Injected at: 880503 04:43

TIC page 1 of 2

KLL026139

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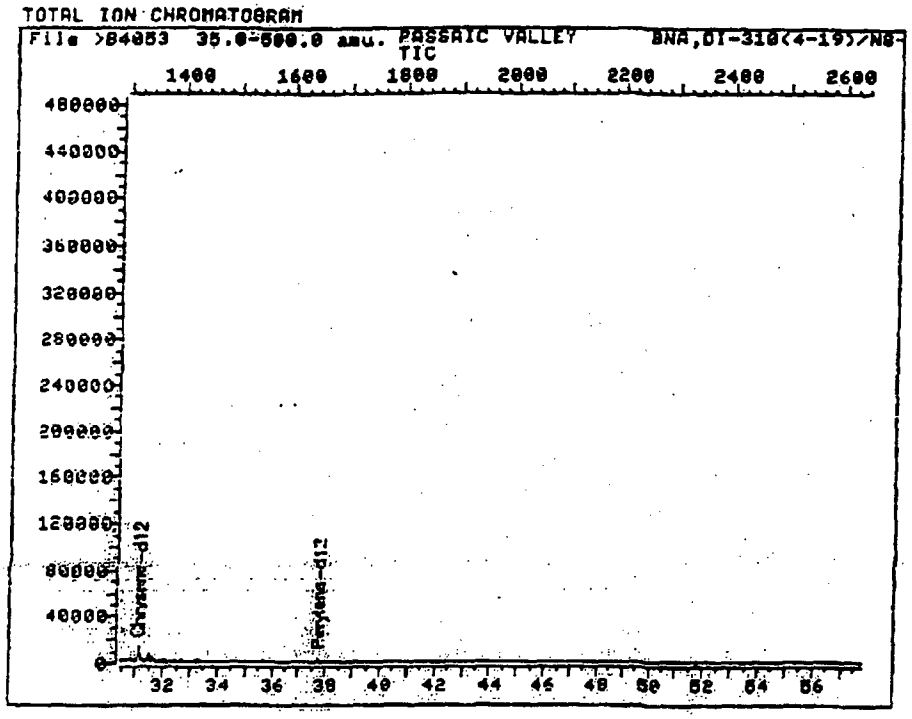
TAE000799

TOTAL ION CHROMATOGRAM



Data File: >B4053::D1 Quant Output File: ^B4053::QT
Name: PASSAIC VALLEY
Misc: BNA,DI-310(4-19)/N8-5016,1000ML/ML,1:2D,R4/20,E4/23,87BTL#17

Id File: BNA2::AQ
Title: ACID,BASE & NEUTRALS CLP COMPOUNDS
Last Calibration: 880502 13:25

Operator ID: NG
Quant Time: 880503 05:44
Injected at: 880503 04:43

TIC page 2 of 2

KLL026140

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TAE000800

Project No: 88-14265

SAMPLE NO: D[illegible]-310

METALS AND PHYSICAL CHEMISTRY

PARAMETERS (MG/L)	METHOD NO.	CAS NO.	REPORTING LIMITS	FOUND
ANTIMONY	204.1	7440-36-0	0.050	ND
ARSENIC	206.2	7440-38-2	0.005	ND
BERYLLIUM	210.1	7440-41-7	0.005	ND
CADMIUM	2[illegible].1	7440-43-9	0.002	ND
CHROMIUM	218.1	7440-47-3	0.010	ND
COPPER	220.1	7550-50-8	0.010	0.049
LEAD	239.1	7439-92-1	0.020	ND
MERCURY	245.1	7439-97-6	0.0002	ND
NICKEL	249.1	7440-02-0	0.020	ND
SELENIUM	270.2	7782-49-2	0.005	ND
SILVER	272.1	7440-22-4	0.010	ND
THALLIUM	279.1	7440-28-0	0.050	ND
ZINC	289.1	7440-66-6	0.005	0.242

ND = NONE DETECTED
RL = [illegible]M REPORTING LIMIT

KLL026141

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TAE000801

SURROGATE PERCENT RECOVERY SUMMARY

Contract Laboratory:NYTEST ENVIRONMENTAL INC.
Low: Medium:

Project No:88-14265

	VOLATILE				SEMI-VOLATILE							PESTICI
SMO TRAFFIC NO.	TOLUENE-D8 (75-130)	BFB (75-130)	1,2 DICHLORO-ETHANE-D4 (75-130)	NITRO-BENZENE-D5 (10-150)	2-FLUORO-BIPHENYL (10-150)	TERPHENYL-D14 (10-150)			PHENOL-D5 (10-150)	2-FLUORO-PHENOL (10-150)	2,4,6 TRIBROMO-PHENOL (10-150)	** DIBUTYL CHLOREND (10-160
METHOD BLANK	105	101	139*	64	59	81			26	40	92	33
DI-310	102	99	87	41	33	26			34	60	26	39

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* VALUES ARE OUTSIDE OF CONTRACT REQUIRED QC LIMITS
** ADVISORY LIMITS ONLY

Volatiles:	1 out of 6	; outside of QC limits
Semi-Volatiles	0 out of 12	; outside of QC limits
Pesticides:	0 out of 2	; outside of QC limits

TAE000802

METHOD BLANK SUMMARY

Contractor: NYTEST ENVIRONMENTAL INC.

Project No: 88-14265

FILE ID	DATE OF ANALYSIS	FRACTION	MATRIX	CONC. LEVEL	INST. ID	CAS NUMBER	COMPOUND (HSL.TIC OR UNKNOWN)	CONC.	UNITS	CRQL
D4256	4/22/88	VOA	WATER	LOW	1030	75-09-2	METHYLENE CHLORIDE	2	UG/L	5
[illegible]52	5/3/88	BNA	WATER	LOW	NYT 2		NO COMPOUNDS FOUND			
BLANK	4/27/88	PEST	WATER	LOW	T550-2		NO COMPOUNDS FOUND			

Comments:

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TAE000803

GC/MS TUNING AND MASS CALIBRATION
BROMOFLUOROBENZENE (BFB)

Contractor: NYTEST ENVIRONMENTAL INC.
Instrument ID: 1030 Date: 4/22/88
Lab ID: D4262 Data Release Authorized By:

Project No: 88-14265
Time: 7:46:00

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	18.49
75	30.0 - 60.0% of the base peak	41.03
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	8.86
173	Less than 1.0% of the base peak	0.00
174	Greater than 50.0% of the base peak	62.87
175	5.0 - 9.0% of mass 174	4.25 [6.76]*
176	Greater than 95.0%, but less than 101.0% of mass 174	60.23 [95.81]*
177	5.0 - 9.0% of mass 176	4.27 [7.09]**

* Value in parenthesis is % mass 174.
** Value in parenthesis is % mass 176.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	D4262	4/22/88	7:46
WORKING STANDARD	D4263	4/22/88	8:31
METHOD BLANK	D4266	4/22/88	12:45

KLL026144

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TAE000804

GC/MS TUNING AND MASS CALIBRATION
BROMOFLUOROBENZENE (BFB)

Contractor: NYTEST ENVIRONMENTAL INC.
Instrument ID: 1030 Date: 4/22/88
Lab ID: DK273 Data Release Authorized By:

Project No: 88-14265
Time: 19:16:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of the base peak	18.07
75	30.0 - 60.0% of the base peak	43.38
95	Base peak, 100% relative abundance	100.00
96	5.0 - 9.0% of the base peak	7.92
173	Less than 1.0% of the base peak	0.00
174	Greater than 50.0% of the base peak	89.25
175	5.0 - 9.0% of mass 174	4.72 [5.29]*
176	Greater than 95.0%, but less than 101.0% of mass 174	87.22 [97.71]*
177	5.0 - 9.0% of mass 176	5.19 [5.95]**

* Value in parenthesis is % mass 174.
** Value in parenthesis is % mass 176.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
PERFORMANCE STANDARD	DK273	4/22/88	19:16
01-310	N8-5016	4/22/88	23:38

KLL026145

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TAE000805

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor: NYTEST ENVIRONMENTAL INC.
Instrument ID: NYT 2 Date: 5/02/88
Lab ID: 84035 Data Release Authorized By:

Project No: 88-14265
Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.98
68	Less than 2.0% of mass 69	0.00 [0.00]*1
69	Mass 69 relative abundance	69.97
70	Less than 2.0% of mass 69	0.57 [0.82]*1
127	40.0 - 60.0% of mass 198	52.96
197	Less than 1.0% of mass 198	0.00
198	Base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	7.01
275	10.0 - 30.0% of mass 198	23.28
365	Greater than 1.00% of mass 198	4.15
441	Present, but less than mass 443	10.31
442	Greater than 40.0% of mass 198	51.90
443	17.0 - 23.0% of mass 442	12.07 [19.50]*2

* Value in parenthesis is % mass 69.
** Value in parenthesis is % mass 442.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
Perf. Std.	84035	5/2/88	10:11
Working Std.	84036	5/2/88	10:30

KLL026146

000017

TAE000806

GC/MS TUNING AND MASS CALIBRATION
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Contractor: NYTEST ENVIRONMENTAL INC.
Instrument ID: NYT 2 Date: 5/02/88
Lab ID: 84042 Data Release Authorized By:

Project No: 88-14265
Time: 18:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.50
68	Less than 2.0% of mass 69	0.00 [0.00]*1
69	Mass 69 relative abundance	58.29
70	Less than 2.0% of mass 69	0.00 [0.00]*1
127	40.0 - 60.0% of mass 198	49.92
197	Less than 1.0% of mass 198	0.00
198	Base peak, 100% relative abundance	100.00
199	5.0 - 9.0% of mass 198	7.06
275	10.0 - 30.0% of mass 198	23.14
365	Greater than 1.00% of mass 198	3.97
441	Present, but less than mass 443	12.94
442	Greater than 40.0% of mass 198	98.67
443	17.0 - 23.0% of mass 442	19.90 [19.06]**2

* Value in parenthesis is % mass 69.
** Value in parenthesis is % mass 442.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
Perf. Std.	84035	5/2/88	18:07
Method Blank	84052	5/3/88	3:38
01-310	N8-5016	5/3/88	4:43

KLL026147

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TAE000807

Sample

Industrial User Charge/Pretreatment Inspection Report

I. **Type of Inspection:** **Date of Inspection:**

a. User Charge _____
b. Categorical Determination _____
c BMR Verification _____
d. Other _____

II. **General Information**

a. Facility Name: _____
b. Parent Company or Affiliation: _____
c. Facility Mailing Address: _____
_____
_____
d. Facility Street Address: _____
_____
_____
e. Year present operations began at this facility: _____
Number of Employees _____ Hour of Operations _____
Shifts _____ Days/Week _____
f. Authorized Representative: _____
g. Facility Contact: _____
Title or Position: _____
Telephone No.: _____
h. Facility Personnel Present at Inspection: _____

III. **Product or Service Information:**

a. Narrative description of the primary manufacturing or service activity at the facility (Note if Batch, Continuous, Seasonal): _____
_____
_____
_____
_____
b. Principal Raw Materials used: _____
_____
_____
_____
_____

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TAE000808

Sample

V. **Environmental Controls Permits/Registrations Held**

a. Facility held permits/registrations
____ NJPDES: Specify type_____and NJDEP Permit Number _____ List parameters monitored in comments
___ Air Pollution: Site I.D. Number_____
____ RCRA (___Generator___Storage (90 days)___Treatment): I.D No.
____ NJDEP
___ ECRA
___ S.P.C.C. Plan
Groundwater discharge Yes____ No_____
If Yes, parameters monitored Yes_____ No_____
List parameters monitored in comments
___ Other: Specify_____
___ None

VI. **Air Pollution Related**

a. Are there any process tanks greater than 100 gallons? Yes___ No___

b. Are there any heated surface cleaners (e.g. vapor degreasers, etc)? Yes____ No____

c. Does this facility have any exhaust system in conjunction with their process operations (e.g. from plating tanks, painting rooms, vapor degreasers, etc.)? Yes____ No____
If yes, is the system registered? Yes____ No____
Describe:_____
_____

d. Are there any air pollution control devices? Yes____ No____
Describe:_____
_____

VII **Wastewater Information**

a Applicable Standards
___ Categorical standards (list applicable subparts):_____
_____
_____
___ State:_____
___ Local:_____

KLL026149

TAE000809

Sample

b. Representative Sampling Point

(1) Describe sampling point (s) (if any) utilized by the facility. If none used, is a sampling point available? Describe:_____

_____

_____

(2) Are the sampling point (s) utilized representative of the operations they are intended to monitor? Yes___ No___ If no, list deficiencies:

_____

_____

_____

(3) Are regulated process streams metered or are other means available for flow measurement? Specify:_____

_____

_____

List Quantity of process wastewater discharged in gallons per day:

_____

_____

_____

(4) If necessary, is sufficient flow data obtained to allow use of the combined wastestream formula? Yes___ No___ N/A___
Comments:_____

(5) Is a certified lab used for all official analyses? Yes___ No___ N/A___
Lab name and location:_____

_____

_____

NJDEP No._____
Comments:_____

_____

VIII **Pretreatment Facilities**

a. Is any treatment performed on the wastewater prior to discharge to the public sewer? Yes___ No___
Describe/Comments:_____

_____

_____

b. Is any treatment proposed to be utilized on the wastewater prior to discharge to the public sewer? Yes___ No___ N/A___
Comments:_____

_____

_____

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TAE000810

c. Is the facility operating under a compliance schedule to install treatment or otherwise attain compliance with applicable standards?
Yes___ No___ N/A___ If no, is facility in compliance? Yes___ No___
Comments:_____

d. Does this facility generate any sludge or other residuals as a result of its pretreatment operations? Yes___ No___ N/A___
Comments:_____

How is this sludge disposed of?_____

e. Licensed Operator

(1) NJDEP Permit: Issued___ Application Requested___
Application Requested___ Application Submitted___
Not Required___
Is treatment performed or proposed (see A and B above)?
Yes___ No___

(2) Does this facility requred a licensed operator? Yes___:
Classification_____
No___:
Name (s) of licensed operator, if any:_____

IX **Waste**

a. Does this facility generate any waste process materials (spent solvents, spent acids, etc)? Yes___ No___ If Yes, Describe:_____

Quantity generated per month:_____
How stored:_____

How disposed:_____

KLL026151

TAE000811

Sample

b. Does this facility generate any residuals as a result of its operations?
Yes___ No___ If Yes, Describe:_____

_____

_____

Quantity generated per month:_____
How stored:_____

_____

How disposed:_____

_____

c. Does this facility have a designated or centralized area (s) for the storage of hazardous waste? Yes___ No___ N/A___ (No hazardous waste generated)
Comments:_____

_____

_____

X Toxic Organics Management

a. Are categorical organics used on site? Yes___ No___

Type	How Much	How Used

Has the facility chosed the TTO Plan option? Yes___ No___ N/A___
If yes, has a TTO Management Plan been submitted for approval?
Yes___ No___

Are other non-categorical organics used on-site in more than laboratory quantities? Yes___ No___

Type	How Much	How Used

KLL026152

Sample

B. Storage

(1) Are the raw organics stored in an area appropriately safeguarded against spills reaching the sewer: Yes___ No___
Comments: _____
_____
_____

(2) Are the spent organics stored in an area appropriately safegauarded against spills reaching the sewer? Yes___ No___ N/A ___
Comments: _____
_____
_____

C. Handling Procedures

(1) Have adequate handling procedures been developed to prevent organics used during process operations from reaching the sewer in amounts exceeding federal standards? Yes___ No___ N/A___
(No federal standard)

(2) Are personnel actively implementing these procedures?
Yes___ No___ Not Observed___
Comments: _____
_____
_____

D. How are the organics used on site disposed of? _____
_____
_____
_____
_____

If licensed hauler used, which one? _____

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Sample

INSTRUMENTATION

Flow meter (Specify type & readings gals, ft^3 etc)_____
Flow meter recorder (Type including decimal place)_____
Is flow meter non-resettable (Yes or No)_____
pH meter (Note reading)_____
pH recorder_____
LEL meter (Note reading)_____
Alarms_____
pH of effluent at outlet (s)_____

SAMPLING PROCEDURES

Does company have composite sampler (Yes or No)_____
Can sampler be sealed (Yes or No)_____
Accessable sample point (Yes or No)_____
Is sample hose in proper place (Yes or No)_____
Sample preservation:
- Oil & grease - H_2SO_4_____
- Heavy metals - HNO_3_____
- Cyanide - NaOH_____
- Refrig. Sampler - (Yes or No)_____
- Temperature of sample;_____

Type of sample:
- Composite_____
- Grab_____

Analysis required;
- TSS_____
- BOD_____
- pH_____
- Other_____

ANALYTICAL INSTRUMENTS RECOMMENDED

Portable LEL_____
Portable Samplers_____
Manual Samplers_____
pH Recorder_____
LEL Recorder_____

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TAE000814

X1 **Comments**

KLL026155

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Sample

XII Inspector (s)

Name: _____
Title _____
Signature: _____

Name: _____
Title: _____
Signature: _____

Prepared by: _____

Reviewed by: _____
Date Reviewed Complete: _____
Signature: _____

KLL026156

APPENDIX A

VIOLATION HISTORY

ALFRED HELLER HEAT
5 WELLINGTON ST
CLIFTON

PERMIT NO
03400372

VIOLATION DATE	REF SECTION	SCHEDULED ELIMINATION	ACTUAL ELIMINATION
01/21/88	403.12		01/27/88
02/08/88	413		
02/11/88	413.15		
03/30/88	413		
04/19/88	413		

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APPENDIX A

LIST OF ACTIVE VIOLATIONS

NOV DATE	NAME	COMMUNITY	SCPNO	SECTION
01/22/88	CAPITAL CITY PROD	KEARNY	15403300	312.1B
01/26/88	FREY INDUSTRIES	NEWARK	20409999	312.1A
02/08/88	ALFRED HELLER HEAT	CLIFTON	03400372	413
02/11/88	ALFRED HELLER HEAT	CLIFTON	03400372	413.15
02/18/88	HEUBACH INC	NEWARK	20404642	415
02/22/88	MANCO PLATING CO	NEWARK	20400710	413
02/26/88	GIVAUDAN CORP	CLIFTON	03401024	312.1B
03/21/88	DRIVER HARRIS AL	HARRISON	13401283	420
03/22/88	DRIVER HARRIS AL	HARRISON	13401283	468
03/23/88	RIVERSIDE LINNEN	PATERSON	27401830	312.1B
03/30/88	ALFRED HELLER HEAT	CLIFTON	03400372	413
04/08/88	ATLAS REFINERY	NEWARK	20402420	312.1D
04/13/88	GIVAUDAN CORP	CLIFTON	03401024	APPENDIX B
04/14/88	KINGSLAND DRUM &	NEWARK	20402840	312.1D
04/19/88	ALFRED HELLER HEAT	CLIFTON	03400372	413
04/27/88	PLATING CITY CORP	NEWARK	20404180	413
05/09/88	LAUNDER LEASING	NEWARK	20404380	312.1D
05/25/88	HENKEL CORP	HARRISON	13405320	312.1D
05/25/88	N J TANNING CO	NEWARK	21401330	425
06/07/88	THORN INC	PATERSON	27400070	312.1B
06/14/88	ARATEX SERVICES, INC	NEWARK	21402972	312.1 D
06/14/88	TROY CHEMICAL CO	NEWARK	20403290	APPENDIX D
06/20/88	COMET CHEMICAL	NEWARK	20401472	403.12
06/20/88	FABRICOLOR MFG	PATERSON	27401800	403.12
06/20/88	ORBIS PROD CORP	NEWARK	21401032	403.12
06/22/88	SETON LEATHER CO.	NEWARK	20401363	425
06/24/88	E&W PIECE DYE	EAST NEWARK	04404470	312.1 D
06/24/88	J L PRESCOTT COMPANY	PASSAIC	26402564	312.4B
06/28/88	ATLAS REFINERY INC.	NEWARK	20402420	312.1 D
06/23/88	HENKEL CORPORATION	HARRISON	13405320	312.1 D
06/29/88	IDEAL PLATING	BELLEVILLE	01403600	413
07/13/88	SETON LEATHER CO	NEWARK	20401363	425.95
07/20/88	MANCO PLATING, INC	NEWARK	20400710	403.12
07/21/88	ATLAS METAL FINISHNG	NEWARK	20405292	403.12
07/21/88	BON-ART INTNL. INC.	NEWARK	20405263	403.12
07/21/88	CONTEMPORARY COSMTCS	ELMWOOD PARK	07409997	403.12
07/21/88	ITT DEFENSE	NUTLEY	24403740	403.12
07/21/88	QUALITY FORMULATION	WEST PATERSON	34405682	403.12
07/21/88	WALLACE & TIERNAN	BELLEVILLE	01402162	433
07/22/88	NUTRONIC CIRCUIT CO.	PATERSON	27404682	413 H
07/29/88	GRAVER CHEMICAL DIV.	NEWARK	20402243	312.1 B

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APPENDIX A

ALPHABETICAL LIST OF ACTIVE VIOLATIONS

NAME	COMMUNITY	NOV DATE	SECTION	SCPNO
ALFRED HELLER HEAT	CLIFTON	02/08/88	413	03400372
ALFRED HELLER HEAT	CLIFTON	02/11/88	413.15	03400372
ALFRED HELLER HEAT	CLIFTON	03/30/88	413	03400372
ALFRED HELLER HEAT	CLIFTON	04/19/88	413	03400372
ARATEX SERVICES, INC	NEWARK	06/14/88	312.1 D	21402972
ATLAS METAL FINISHNG	NEWARK	07/21/88	403.12	20405292
ATLAS REFINERY	NEWARK	04/08/88	312.1D	20402420
ATLAS REFINERY INC.	NEWARK	06/28/88	312.1 D	20402420
BON-ART INTNL. INC.	NEWARK	07/21/88	403.12	20405263
CAPITAL CITY PROD	KEARNY	01/22/88	312.1B	15403300
COMET CHEMICAL	NEWARK	06/20/88	403.12	20401472
CONTEMPORARY COSMTCS	ELMWOOD PARK	07/21/88	403.12	07409997
DRIVER HARRIS AL	HARRISON	03/21/88	420	13401283
DRIVER HARRIS AL	HARRISON	03/22/88	468	13401283
E&W PIECE DYE	EAST NEWARK	06/24/88	312.1 D	04404470
FABRICOLOR MFG	PATERSON	06/20/88	403.12	27401800
FREY INDUSTRIES	NEWARK	01/26/88	312.1A	20409999
GIVAUDAN CORP	CLIFTON	02/26/88	312.1B	03401024
GIVAUDAN CORP	CLIFTON	04/13/88	APPENDIX B	03401024
GRAVER CHEMICAL DIV.	NEWARK	07/29/88	312.1 B	20402243
HENKEL CORP	HARRISON	05/25/88	312.1D	13405320
HENKEL CORPORATION	HARRISON	06/28/88	312.1 D	13405320
HEUBACH INC	NEWARK	02/18/88	415	20404642
IDEAL PLATING	BELLEVILLE	06/29/88	413	01403600
ITT DEFENSE	NUTLEY	07/21/88	403.12	24403740
J L PRESCOTT COMPANY	PASSAIC	06/24/88	312.4B	26402564
KINGSLAND DRUM &	NEWARK	04/14/88	312.1D	20402840
LAUNDER LEASING	NEWARK	05/09/88	312.1D	20404380
MANCO PLATING CO	NEWARK	02/22/88	413	20400710
MANCO PLATING, INC	NEWARK	07/20/88	403.12	20400710
N J TANNING CO	NEWARK	05/25/88	425	21401330
NUTRONIC CIRCUIT CO.	PATERSON	07/22/88	413 H	27404682
ORBIS PROD CORP	NEWARK	06/20/88	403.12	21401032
PLATING CITY CORP	NEWARK	04/27/88	413	20404180
QUALITY FORMULATION	WEST PATERSON	07/21/88	403.12	34405682
RIVERSIDE LINNEN	PATERSON	03/23/88	312.1B	27401830
SETON LEATHER CO	NEWARK	07/13/88	425.95	20401363
SETON LEATHER CO.	NEWARK	06/22/88	425	20401363
THORN INC	PATERSON	06/07/88	312.1B	27400070
TROY CHEMICAL CO	NEWARK	06/14/88	APPENDIX B	20403290
WALLACE & TIERNAN	BELLEVILLE	07/21/88	433	01402162

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APPENDIX A

SUMMARY OF EACH VIOLATION

CALGON CORP
200 WAGAROW RD
HAWTHORNE

PERMIT NO
14402342

SUMMARY

NOV DATE	SECTION VIOLATED	DESCRIPTION
02/16/88	415.2	PRE EQ. NOT OPER. PROPERL

FOLLOWUP DATE		REMARKS
FIRST	03/04/88	MGMT. CONTROL TIGHTENED
SECOND		
THIRD		
FOURTH		

SCHEDULED ELIMINATION	ACTUAL ELIMINATION
	03/04/88

NOV DATE	SECTION VIOLATED	DESCRIPTION
02/16/88	APPENDIX B	MONIT. EQUIP. DISCONN.

FOLLOWUP DATE		REMARKS
FIRST	03/04/88	RESPONSE NEEDS CLARIFICAT
SECOND	03/22/88	CLARIFICATION PROVIDED
THIRD		
FOURTH		

SCHEDULED ELIMINATION	ACTUAL ELIMINATION
	03/22/88

NOV DATE	SECTION VIOLATED	DESCRIPTION
04/29/88	312.1B	EXCEEDED PH LIMIT

FOLLOWUP DATE		REMARKS
FIRST	05/10/88	MGMT. CONTROL TIGHTENED
SECOND		
THIRD		
FOURTH		

SCHEDULED ELIMINATION	ACTUAL ELIMINATION
	05/10/88

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TAE000820

[Code of Federal Regulations]
[Title 40, Volume 27]
[Revised as ofJuly 1, 2003]
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[CITE: 40CFR464.35]

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TITLE 40--PROTECTION OF ENVIRONMENT

CHAPTER I--ENVIRONMENTAL PROTECTION AGENCY (CONTINUED)

PART 464--METAL MOLDING AND CASTING POINT SOURCE CATEGORY--Table of Contents

Subpart C--Ferrous Casting Subcategory

Sec. 464.35 Pretreatment standards for existing sources.

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources.

(a) Casting Cleaning Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	0.0129	0.0071
Lead (T)	0.0237	0.0116
Zinc (T)	0.0437	0.0165

(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year, and to plants that are casting

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primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	0.0129	0.0071
Lead (T)	0.0353	0.0174
Zinc (T)	0.0656	0.025

(b) Casting Quench Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	0.0138	0.0076
Lead (T)	0.0252	0.0124
Zinc (T)	0.0466	0.0176
TTO	0.0257	0.00838
Oil and grease (for alternate monitoring)	1.43	0.476

(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year, and to plants that

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are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	0.0138	0.0076
Lead (T)	0.0376	0.0185
Zinc (T)	0.0699	0.0266
TTO	0.0257	0.00838
Oil and grease (for alternate monitoring)	1.43	0.476

(c) Dust Collection Scrubber Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm \3\ (pounds per billion SCF) of air scrubbed	
Copper (T)	0.218	0.12
Lead (T)	0.398	0.195
Zinc (T)	0.736	0.278
Total Phenols	0.646	0.225
TTO	2.04	0.664
Oil and Grease (for alternate monitoring)	22.5	7.51

(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than

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3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm \3\ (pounds per billion SCF) of air scrubbed	
Copper (T)	0.218	0.12
Lead (T)	0.593	0.293
Zinc (T)	1.1	0.421
Total Phenols	0.656	0.225
TTO	2.04	0.664
Oil and Grease (for alternate monitoring)	22.5	7.51

(d) Grinding Scrubber Operations. No discharge of process wastewater pollutants to a POTW.

(e) Investment Casting. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	3.19	1.76
Lead (T)	5.84	2.86
Zinc (T)	10.8	4.07
TTO	13.2	4.3
Oil and Grease (for alternate monitoring)	330	110

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(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	3.19	1.76
Lead (T)	8.7	4.3
Zinc (T)	16.2	6.17
TTO	13.2	4.3
Oil and Grease (for alternate monitoring)	330	110

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(f) Melting Furnace Scrubber Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm^3 (pounds per billion SCF) of air scrubbed	
Copper (T)	1.02	0.561
Lead (T)	1.86	0.911
Zinc (T)	3.44	1.30
Total phenols	3.01	1.05
TTO	8.34	2.73

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Oil and grease (for alternate monitoring).	105	35

(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/62.3 million Sm^3 (pounds per billion SCF) of air scrubbed	
Copper (T)	1.02	0.561
Lead (T)	2.77	1.37
Zinc (T)	5.15	1.96
Total phenols	3.01	1.05
TTO	8.34	2.73
Oil and grease (for alternate monitoring).	105	35

(g) Mold Cooling Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	0.0428	0.0236
Lead (T)	0.0783	0.0384
Zinc (T)	0.145	0.0546
TTO	0.0797	0.026

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Oil and grease (for alternate monitoring)...	4.43	1.48

(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T).....	0.0428	0.0236
Lead (T).....	0.117	0.0576
Zinc (T).....	0.217	0.0827
TTO.....	0.0797	0.026
Oil and grease (for alternate monitoring)...	4.43	1.48

(h) Slag Quench Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T).....	0.0527	0.0291
Lead (T).....	0.0964	0.0473
Zinc (T).....	0.178	0.0673
TTO.....	0.0257	0.00838
Oil and grease (for alternate monitoring)...	5.46	1.82

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(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of metal poured	
Copper (T)	0.0527	0.0291
Lead (T)	0.144	0.0709
Zinc (T)	0.267	0.102
TTO	0.0257	0.00838
Oil and grease (for alternate monitoring)	5.46	1.82

(i) West Sand Reclamation Operations. (1) Applicable to plants that are casting primarily ductile iron, to plants that are casting primarily malleable iron where greater than 3,557 tons of metal are poured per year, and to plants that are casting gray iron where greater than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of sand reclaimed	
Copper (T)	0.217	0.12
Lead (T)	0.396	0.194
Zinc (T)	0.732	0.276

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Total Phenols	0.642	0.224
TTO	1.18	0.386
Oil and grease (for alternate monitoring)	22.4	7.47

(2) Applicable to plants that are casting primarily steel, to plants that are casting primarily malleable iron where equal to or less than 3,557 tons of metal are poured per year, and to plants that are casting primarily gray iron where equal to or less than 1,784 tons of metal are poured per year.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	kg/1,000 kkg (pounds per million pounds) of sand reclaimed	
Copper (T)	0.217	0.12
Lead (T)	0.59	0.291
Zinc (T)	1.1	0.418
Total Phenols	0.642	0.224
TTO	1.18	0.386
Oil and grease (for alternate monitoring)	22.4	7.47

[50 FR 45247, Oct. 30, 1985; 51 FR 21762, June 16, 1986]

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