SFUND RECORDS CTR
52741

52741

QUESTIONNAIRES

balmer interiors group inc

transmittal letter

RECEIVED
AUG 17 1988

Project: LASERSCAN Job No.: 88528

To: CITY OF PHOENIX Date: 8.16.88
INDUSTRIAL HAZ DEPT.
2301 W. DURANGO ST.
PHOENIX 85009

Attn: MIKE ROSS

The Items Below are Transmitted as Follows:

___ For Approval
___ For Your Use
___ As Requested
X For Review and Comment
___ For Review and Signature
___ For Your Records

Remarks: PLEASE CALL ME WHEN YOU RECEIVE THIS INFO. THANK YOU. Gail

___ Please Return ___ Copies to This Office after Your Action

Copies	Date	Rev. No.	Description
1			HAZ. MAT. FORM.
1			LETTER W/CHEM. LIST FROM TENANT.

Copies To:

By: Gail Scott

DISTRIBUTION:
Original — Record
Copy — Fire Prevention

CITY OF PHOENIX, ARIZONA
DEVELOPMENT SERVICES DEPARTMENT
BUILDING SAFETY BRANCH
125 E. WASHINGTON
TELEPHONE: 262-7855

PERMIT NO.	
LOG NO.	R-3581

OCCUPANCY INFORMATION RECORD

A concise determination of the use of the building is necessary in order to apply the various requirements of the Construction and Fire Codes. This will avoid misunderstandings and hardships for owners of new buildings and/or buildings presently occupied. Please complete applicable parts and return so required permits can be issued.

ADDRESS	OWNER	
10220 S. 51ST ST. PHOENIX, AZ	WESTSCAN LTD. 714 E. ROSE LN. #200 PHX. AZ	
SIZE OF NEW BUILDING OR ADDITION	PHONE NO. OF BUILDING MANAGER	CURRENT DATE
REMODEL 131,764 SQ. FT.	266.8200	7.29.88
PRESENT USE OF EXISTING BUILDING AREAS		SINCE (YEAR)
Business		SINCE APPX. 1987

1. ☐ RESIDENTIAL (Section 703)
   - ☐ Dwelling (1 or 2-family)
   - ☐ Dwelling (More than 2 families)
   - ☐ Other _____

2. ☐ ASSEMBLY (Section 706)
   - Group I ☐ (Over 300 people)
   - Group II ☐ (Less than 300 people) _____

3. ☐ INSTITUTIONAL (Section 705)
   - Group I ☐ Hospital ☐ Nursing Home ☐ Other _____
   - Group II ☐ Jail ☐ Other _____

4. ☐ SCHOOL (Section 704)

5. ☐ BUSINESS (Section 707)

6. ☐ MERCANTILE (Section 708)

Please give a description of the specific use of the building for the occupancies listed above. (For instance— "School for grades one through six. No room will contain 100 or more persons. No classes will be conducted at night).

7. ☒ INDUSTRIAL (Section 709)

8. ☐ STORAGE (Section 710)

9. ☐ HAZARDOUS (Section 711)

(For these three occupancies, and for any of the above in which the following materials are used, please complete Items A and B.)

A. Indicate equipment or process involving combustible or hazardous material:

Hydraulic Equipment	☐	Dust Collectors	☐	Drying rooms	☐
Indus./Medical Gas	☐	Electro Plating	☐	Flow Coaters	☐
Picking or Garnetting	☐	Spray Painting	☐	Dip Tanks	☐
Combustible Metals	☐	Ovens, Process	☐	Baler or Shredder	☐
Molten Salt Baths	☐	Welding/Cutting	☐	Others	☒

B. List on a separate sheet any hazardous materials and show maximum quantities in use, storage or processing and show flash point of flammable and combustible liquids. (Give a detailed description of the use of the building, including processes and materials.)

I hereby certify that, to the best of my knowledge, the use of this building is as described herein and that the use, storage or process of hazardous materials in this building will be limited as indicated above.

SIGNATURE OF ARCHITECT (IF NEW BUILDING OR ADDITION)	SIGNATURE OF OWNER OR RESPONSIBLE AGENT
DATE	DATE

126-40D Rev. 4/88

Administrative offices and production areas for prepress color picture reproduction for the printing industry using high tech electronic equipment and computers and materials used are film and chemicals as per attached.

8.8.88

DEAR MR LELAND,

PLEASE NOTE TENANTS' REFERENCE TO THE PRINTING INDUSTRY IS STRICTLY TO OUTSIDE PRINTING THIS FACILITY DOES NOT PRINT OR STORE PRINTING SUPPLIES (I.E. INK ETC...) ON ITS' PREMISES.

SINCERELY

PAUL SCOTT
BAUTER INTERIORS CO.

2415 West Huntington Drive
Suite 103
Tempe, AZ 85282
(602) 438-2282

LASERSCAN, INC.

PRODUCT NAME	Max. Quantity	Storage	Flash Point
Alta RA1080C Dev/ Replenisher	100 gal.	plastic container	n/a
Alta Liquid Hardener	6 gal.	plastic container	n/a
Alta Liquid Rapid Fixer	100 gal.	plastic container	n/a
Anti-Newton Spray	28 oz.	metal container	n/a
Bestine Solvent & Thinner	3 gal.	metal container	n/a
Bleach	6 gal.	plastic container	n/a
Dust-Off	36 oz.	metal container	n/a
Galaxy IPA Alcohol	5 gal.	metal container	73-99
Galxy Anti-Static Film Cleaner	10 gal.	metal container 1 gal. ea.	n/a
Grumbacher Red Opaque	8 oz.	plastic container	n/a
Kodak Lens Cleaner	3 oz.	plastic container	n/a
LogE Fixer Systems Cleaner	not kept in stock	plastic container	n/a
LogESol Photographic Systems Cleaner-A	not kept in stock	plastic container	n/a
LogESol Photographic Systems Cleaner-B	not kept in stock	plastic container	n/a
LogESol Photographic Systems Cleaner-N	not kept in stock	plastic container	n/a
Novus Plastic Polish #2	1 gal.	plastic container	n/a

LASERSCAN, INC.

PRODUCT NAME	Max. Quantity	Storage	Flash Point
Percolan Staging	5 pts.	plastic container 1 pt. ea.	n/a
Percolan Thinner	3 gal.	plastic container 1 gal. ea.	73-99
Perfex Black Opaque	32 oz.	plastic container	n/a
Photo-Flo	1 pt.	plastic container	n/a
Scotch Spray Mount	16 oz.	metal container	73-99
Senelith Etch-A	4 gal.	plastic container	n/a
Senelith Etch-B	4 gal.	plastic container	n/a
Sprayway 40 Glass Cleaner	144 oz.	metal container 12 oz. ea.	n/a
3M MR424 Developer Replenisher	15 gal.	metal cabinet	73-99
3M Negative CK/TK Developer	15 gal.	metal cabinet	73-99
3M Positive Proofing Machine Developer	15 gal.	metal cabinet	73-99

CONTACT

Temp

9-1-89

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

March 24, 1986

Drake Corporation
Attn: Mr. Gene Drake
4012 E. Broadway Road
No. 301
Phoenix, Arizona 85040

Dear Mr. Drake:

A compliance inspection of your facility was conducted on March 19, 1986 by Mr. Vaughn Karkos and myself. This inspection revealed that the zinc phosphating process is no longer located at your facility.

Your facility is now considered a zero discharger and does not have to meet the Federal Categorical Metal Finishing Standards (40 CFR 433).

Thank you for your sincere cooperation in complying with the requirements to qualify as a non-regulated industry.

Sincerely,

Michael Rose, Inspector I
Industrial Waste Control

MR/dlr

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

February 20, 1986

Mr. Gene Drake
Drake Corporation
4012 East Broadway Road #301
Phoenix, Arizona 85040

Dear Mr. Drake:

Thank you for your letter explaining the status of the zinc phosphating process at your location. As indicated the zinc phosphating process line will be turned over to Astroplate, Inc. at 2724 W. Palm Lane by February 28, 1986. When this phosphating process is no longer located at your facility it will be considered a non-regulated industry. This means your facility will not have to comply with the Federal Categorical Metal Finishing Standards: 40 CFR 433.

After February 28, 1986, the Phoenix City Code Article II, Section 28-8 will apply to your facility and governs all dischargers within the Phoenix city limits. Please refer to the enclosed copy for reference.

A follow-up inspection will be conducted at your facility sometime in March to verify compliance for meeting the requirements of a non-regulated industry.

Thank you for your cooperation.

Sincerely,

Michael Rose

Michael Rose, Inspector I
Industrial Waste Control

MR:bl

Attachment

drake
CORPORATION
4012 E. Broadway Rd., No. 301 • Phoenix, AZ 85040

February 18, 1986

City of Phoenix
Wastewater Operations
2301 West Durango
Phoenix, Az. 85009

Att: Michael Rose, Inspector I
Industrial Waste Control

Dear Mr. Rose:

We are responding to your letter of February 10th, regarding a letter of intent for zinc phosphating.

I was under the impression from our meeting on January 16th that I was to inform you only when we completed turning the zinc phosphating process over to an outside company. If I was in error, I appologize. The turnover will be complete by February 28th or before.

At present we still have some supplies in house, but by the end of February everything involved will be turned over to Astroplate of Arizona Inc. at 2724 W. Palm Lane, Phoenix, Az. 85009. You may confirm this with them at (602) 272-9246. They will be doing the processing for us.

Since we are no longer doing the zinc phosphate as an in house operation, we feel that we do not have to file a letter of intent.

If there are any questions or additional information that you may need, please feel free to call us.

Very truly yours,

Gene Drake

Gene Drake
President

GD/ft

(602) 437-1307 • Outside Arizona (800) 528-4521

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

February 10, 1986

Drake Spring
Attn: Mr. Gene Drake
4012 E. Broadway
Phoenix, Arizona 85040

REPORTING VIOLATION

Dear Mr. Drake:

The Industrial Waste office hasn't received your letter of intent regarding the zinc phosphating process at your site. This was discussed with you during a meeting on January 16, 1986 by Mr. Vaughn Karkos and myself. As was explained, this letter is necessary for our records to indicate that your business is in full compliance with the E.P.A. Categorical Discharge Standards and the Phoenix City Code, Article II, Section 28-8.

Since you have had adequate time to repsond with a letter of intent, a reporting violation is recorded in your Industrial Waste file. In order to avoid further enforcement action as outlined in the Phoenix City Code, Article VI, Section 28-46, and Article IX, Section 28-61, (see enclosed copies) you are required to submit a letter outlining the proposed steps for meeting full compliance with your zinc phosphating process. This letter must contain increments of progress in the form of dates for the commencement and completion of events leading to the construction and operation of additional pretreatment required or elimination of your process line. Please submit your letter to our office no later than February 28, 1986.

A follow up compliance inspection will be performed after review and approval of your letter. If you should have any questions, please contact me at 262-7485. Thank you.

Sincerely,

Michael Rose, Inspector I
Industrial Waste Control

MR/dlr

Enclosure

City Of Phoenix Pretreatment Program

INDUSTRY STATUS REPORT

Company Name: Drake Spring

Date: 10/29/85

Address: 4012 E. Broadway

Presented To: Gene Drake

Phone: 437-1307

Title: President

Wastewater Discharged to the City of Phoenix sanitary sewer system by this Industry is Regulated by Chapter 28 of the City Codes and by The Code Of Federal Regulations (40CFR403 and 433 .)

City Of Phoenix Sampling Survey Results:

Dates: _____ Location: _____

Pollutant													
Max. 1 day													
Average													

Comments:

1-16-86 Letter From Mr. Drake informing I.W. Zinc Phosphating is Taken over By Astrophate

Action Required By Industry: Yes [X] No [ ]

Action	Due Date
[ ] Comply with Discharge Limit.....	
[X] Permit Application (Original/Renewal).....	11/22/85
[X] Baseline Report.....	11/22/85
[ ] Compliance Schedule.....	
[ ] Initial Report on Compliance.....	
[ ] Periodic Report on Compliance.....	
[ ] Solvent Management Plan.....	
[ ]	
[ ]	

I Acknowledge Receipt of the Above "Industry Status Report":

Company Official _____ City Official _____

Title _____ Title _____

Date _____ Date _____

INDUSTRIAL WASTE QUESTIONNAIRE

Meeting Oct. 29-1985
Time: 1:00 P.M.
Sign pretreatment form

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name Drake Spring

Mailing Address 4012 E. Broadway

Address of Premises 4012 E. Broadway

Name and Title of Signing Official

Contact Official

Name Gene Drake

Title Owner / President

Address 4012 E. Broadway

Phone 437-1307

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

8/27/85 Michael W. Rae
DATE SIGNATURE OF OFFICIAL Inspector

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

Principal Raw Materials Used: Spring Steel used in the Mfg. of Various sized Springs

Catalysts, Intermediates:

145-38D
New 4/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate).

Type of Discharge: X Batch _____ Continuous if batch, average number of batches/Week Once or Twice Weekly

Peak Flow Time

Is there a scheduled shutdown? No

When?

Is Production seasonal? No

If yes, explain indicating month(s) of peak production

Average number of employees per shift: _____ 1st; _____ 2nd; _____ 3rd

Shift start times: _____ 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st							
2nd							
3rd							

Describe any wastewater treatment equipment or processes in use:
Manual Neutralization of Acid dumps with Caustic Soda
Note: PH of Sample Composited from Four Rinse Tanks was 2.4

Raw Water Sources:

Source	Quantity	
City of Phoenix	?	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use: None

List Water Consumption in Plant Processes

Cooling Water	?	gallons per day
Boiler Feed	NONE	gallons per day
Process Water	?	gallons per day
Sanitary System	?	gallons per day
Contained in Product	NONE	gallons per day
Other	?	gallons per day
TOTAL		gallons per day

List average volume of discharge or water loss to

City wastewater sewer	?	gallons per day
Natural outlet	NONE	gallons per day
Waste hauler	Bud's Oil	gallons per day
Evaporation	?	gallons per day
Contained in Product	NONE	gallons per day
TOTAL	?	gallons per day

Is discharge to sewer: YES Intermittent X Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

A) 1, 1, 1, Trichloroethane is Used for degreasing and is Reclaimed By Buds Oil - None Goes To Sewer

B) Muriatic Acid Cleaning Prior To Phosphating

C) Phosphate Solution is Diberfos-3 20 From U.W.I.R.

D) Phosphate Operation is 4-6 hrs. Weekly / Below 10,000 Gals. day

E) Rinse Tanks from 55 Gal. drum Pumped Twice Weekly - Total of 4 Rinse Ta

F) Contacted Jeff at U.W.I.R. - Diberfos 20 is a Zinc Phosphating Solution

CITY OF PHOENIX
INDUSTRIAL WASTE SECTION

I.W. LABORATORY REPORT: № 2367 CODE NO: N/A DATE: 8/27/85

SAMPLING METHOD: GRAB LOCATION: 4 RINSE TANKS BY: MIKE ROSE

SAMPLE TO INDUSTRY: YES (NO) NOTE TO ANALYST: Sample preserved HNO3

FLOW, GALLONS:

(A)	pH	SS	TS	BOD	COD	Cr^{+6}	DS			
	2.4									
(B)	Ag	CD	Cr(T)	Cu	Ni	Pb	Zn			
		.01	.02	.02	.07	.05	1.36			
C	CN(T)	CN (A)								
D										

COMMENTS:

NOTE: PH VALUE BEFORE HNO3 ADDED

New Ind. Pre.

ANALYST: [illegible]

145-[illegible]
Rev 8/83

DRAKE SPRING
4012 E. BROADWAY

Account Record: INDUSTRIAL WASTES CONTROL, WATER & SEWERS DEPT., CITY OF PHOENIX, ARIZ.

DATE & INSPECTORS	CONTACTED / TITLE INSPECTED - FINDINGS	SAMPLES TAKEN	CORR'S REQ'D	RE-INSP DATE
1-16-86	Meeting with Mr. Gene Drake. The Zinc phosphating line will be taken over by Astroplate. He was informed to write a letter to I.W. stating what he is going to do with his phosphating line including dates for ending the zinc process and explanation of what will happen to existing chemicals on site. Follow-up inspection to follow upon receipt of his letter. Will write letter to Mr. Drake confirming our meeting.			
2-10-86	Wrote letter to Mr. Drake requesting letter of intent for his phosphating line. Deadline date before further enforcement action is Feb. 28, 1986.			
3-19-86	On site inspection for compliance with letter dated Feb. 20, 86			

CITY OF PHOENIX, ARIZONA

INDUSTRIAL WASTE DISCHARGE QUESTIONNAIRE
AND
PERMIT APPLICATION
(Refer to Chapter 28 of the Phoenix City Code)

Note to signing official: Please complete all sections of this questionnaire and application, attaching additional sheets as necessary for completion of any section.

This report is for:
- ___ Application for an original permit
- X Annual survey
- ___ Application for a renewal permit
- ___ Compliance

Fee:
- X None required at this time. In the event a permit is later determined to be required, you will be advised and a $25.00 application fee will then be required.
- ___ A $ _____ application fee must be remitted with this application and subsequent annual renewals. Make all checks payable to the City Treasurer.

I. COMPANY PROFILE

A. Applicant: DOLPHIN INC.

B. Service address: 740 S. 59TH AVE PHX., AZ. 85043

C. Billing address: P.O. BOX 6514 PHOENIX, AZ. 85005

D. Phone: 602-272-6747

E. Assessor's parcel number(s): ① 104-18-004 T-8 104-18-004 W-5

F. Describe location of all connections to city sewer mains: 1 LOCATION RUNNING FROM WEST TO EAST, NORTH SIDE OF BUILDING. ENTERING CITY CONNECTION ON 59TH AVENUE

RETURN BY 10-16-86

	Day Shift (8AM-8PM)	2nd Shift (8PM - 8AM)	3rd Shift (-)
D. Number of employees	204	76	
Days per week	7	7	7

E. If seasonal, months: X

F. Pretreatment facilities:

	Currently Installed	Proposed
Volume of grease trap	Ø Gals.	Gals.
Water volume of settling tank	500 Gals.	500 Gals.

Other pretreatment processes: (describe and submit plans) NONE

G. List the average volume of discharge or water loss to:

Landscape irrigation	Ø Gallons per day
City sanitary sewer:	
Process waste	Ø Gallons per day
Sanitary waste * CLEANING FLOORS, ETC.	15000 Gallons per day
Natural outlet	Ø Gallons per day
• Description	
• Location	
Waste hauler	Ø Gallons per day
• Name	
Evaporation	2000 Gallons per day
Contained in product	Ø Gallons per day
Other (specify) FURNACE CHILLERS	2500 Gallons per day
Total	19500 Gallons per day

water usage estimated Bad meter?

G. Product(s) manufactured on premises: INVESTMENT CASTINGS

H. Standard Industrial Classification (S.I.C.) codes: 3322 3324

II. WATER FLOW

A. Water source (check where appropriate):

Public	X	Metered	X
Private well		Unmetered	

B. Water account numbers:

1) 0-0914-0010-1
2)
3)
4)
5)
6)

C. Daily water usage:
(all sources)

Maximum	36920	gal.	Time of day	8:00 AM
Minimum	9890	gal.	Time of day	8:00 AM
Average	19500	gal.		

III. OPERATIONS

A. Brief description of manufacturing or service activity on premises: INVESTMENT CASTINGS LOST WAX METHOD

B. Principal raw materials used: METAL INGOTS

C. Catalysts, intermediates: NONE

H. Is industrial discharge to sewer: ~~0~~ Batch
~~0~~ Continuous

I. Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

X Yes * _____ No

* Submit description: EMERGENCY CONTINGENCY PLAN CURRENTLY BEING DEVELOPED PER A.D.H.S. REQUEST. SUBMITTED WHEN APPROVED.

J. Is there a Solvent Management Plan in effect at this plant?

X Yes ** _____ No

** Submit description: R-11 RECYCLING - FREON
M-20-N - PERCHLORO.

K. Except as listed in the next section (IV), list any chemical used, stored, or produced as a by-product which could be considered to be corrosive or hazardous: SODIUM HYDROXIDE REMOVED BY CHEMICAL WASTE MANAGEMENT
WASTE OILS REMOVED BY ALL-WESTERN OIL CO.

V. CERTIFICATION BY COMPANY OFFICIAL

A. Name, title and telephone number of person to contact concerning information provided in this questionnaire.

Name: GEORGE BALL Phone: 272-6747
Title: GENERAL MANAGER

B. Applicable Federal Categories

List all regulated or proposed to be regulated categories (applicable to this location) subject to Federal Categorical Standards; list by category title and/or Code of Federal Regulations (CFR) number:

_____
_____
_____
_____

C. All pretreatment standards and discharge limitations are being met consistently:

X Yes _____ No *

* If not in compliance, a schedule of compliance must be attached to this application.

D. I affirm that all information provided in this questionnaire is accurate to the best of my knowledge. (To be signed by plant manager or company representative, if responsible for overall operation.)

Signature: [signature]
Title: SAFETY ADMINISTRATOR
Date: 10-9-86
Phone: 277-1300

FOR CITY USE ONLY

Disposition:

___ Permit not required
___ Regular permit
___ Compliance permit Date issued: _____

Comments: _____
_____
_____

VI. LABORATORY ANALYSIS

Note: The cost of the laboratory analysis required to provide the following information on the discharge to the public sewer is to be paid for by the applicant. A copy of the original laboratory report must be attached.

A. Applicant

Name: _____
Service address: _____
City: _____
State: _____
Zip: _____

B. Describe sampling point and location: _____

_____
_____
_____
_____

C. Sampling Technique Used

	Date
Composite sample taken during operating hours:	/ /

Method: Hand _____
Time _____
Flow _____

37. LIST OF 129 TOXIC POLLUTANTS

Are any of the toxic pollutants listed below being used, stored, or produced as a by-product at this facility? If so, please indicate by a checkmark in the column headed "CHEMICALS ON SITE", and then provide the information requested in the other five columns for only those pollutants which have been so marked.

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride (Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3 1-dichlorobenzidine						
29. 1,1-dichloroethylene						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
30. 1,2-trans-dichloro-ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene (1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl ether						
41. 4-bromophenyl phenyl ether						
42. Bis(2-chloroisopropyl) ether						
43. Bis(2-chloroethoxy) methane						
44. Methylene chloride (dichloromethane)						
45. Methyl chloride (chloromethane)						
46. Methyl bromide (bromomethane)						
47. Bromoform (tribromomethane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane *	5 DRUMS	10 GALS	Ø	Ø		100%
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						
53. Hexachlorocyclopen-tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						

* MATERIAL RECYCLED UNTIL 100% SPENT / EVAP.

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-n-propy-lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl) phthalate						
67. Butyl benzyl phthalate						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene (1,2-benzanthracene)						
73. Benzo (a) pyrene (3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane (11,12-benzofluoran-thene)						
76. Chrysene						
77. Acenaphthylene						
78. Anthracene						
79. Benzo(ghi)perylene (1,12-benzoperylene)						
80. Fluroene						
81. Phenathrene						
82. Dibenzo (a,h)anthracene (1,2,5,6-dibenzanthra-cene)						
83. Indeno (1,2,3-cd)pyrene (2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene (PERC)	6 DRUMS	1 GAL	Ø	Ø	80%	20%
86. Toluene						
87. Trichloroethylene ✓						
88. Vinyl chloride (chloroethylene)						
89. Aldrin						
90. Dieldrin						

List of 129 Toxic Pollutants - Continued

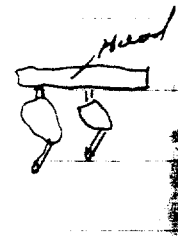
CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
91. Chlordane (technical mixture & metabolites)						
92. 4,4 1 - DDT						
93. 4,4 1 - DDE (p,pl-DDX)						
94. 4,4 1 - DDD (p,pl-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						
105. G-BHC-Delta						
106. PCB-1242 (Arochlor 1242)						
107. PCB-1254 (Arochlor 1254)						
108. PCB-1221 (Arochlor 1221)						
109. PCB-1232 (Arochlor 1232)						
110. PCB-1248 (Arochlor 1248)						
111. PCB-1260 (Arochlor 1260)						
112. PCB-1016 (Arochlor 1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenci (Total)						
116. Asbestos (Fibrous)			100%			
117. Beryllium (Total) METAL FORM ONLY (SOLID)	*		100%			
118. Cadmium (Total)			100%			
119. Chromium (Total)			100%			
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)						

* BERYLLIUM IS A 2% ELEMENT IN A COPPER ALLOY & NOT IN A "FREE" STATE

In ~~cast~~ form m, sinks 2 laund tubs
alcohol, ethyl silicate, silicate
tube to sewer

Syrasol 190
Trench drain in metal pouring area (furnaces

Machine for cutting off head
is water cooled but drained to
dry well



Hydrofluoric acid adj. to trench drain to sewer
used to etch metal
also degreaser in same area - uses perchlo

NaOH cleaner adj. ~~to~~ trench drain
~~noses to~~ sewer

Trench drain dumps to W-end bldg in field

New add. has 2 int (?) + 2 sump pumps
~~Tropical Dog 43rd ave No of Hwy~~:

RECEIVED
APR 22 1988

Return by May 10, 88

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

The United States Environmental Protection Agency (E.P.A.) has requested the City of Phoenix develop a Pretreatment Program as required by the Clean Water Act (CWA) of 1977 (Public Law 95-217) and the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR, Part 403) promulgated by E.P.A. June 26, 1978.

The objectives of a Pretreatment Program will be to:

- Prevent the introduction of pollutants into Publicly Owned Treatment Works (POTW) which will interfere with treatment operations and/or the use or disposal of the municipal sludge;
- Prevent the introduction of pollutants into the POTW which will pass through the treatment works and be incompatible with the environment;
- Improve the feasibility of recycling and reclaiming the municipal and industrial wastewaters and sludges;
- Enforce applicable E.P.A. Standards; and
- Generally, to reduce the health and environmental risk of pollution caused by discharges to POTWs.

The enclosed questionnaire requests information pertinent to pretreatment of industrial wastes (non-domestic) and the control of such wastes. It will serve as a guidance in developing a cooperative effort between the City of Phoenix and the respective industries, and aid in the development of a sound and equitable Pretreatment Program.

RE: Pretreatment Program

- This survey is periodically reissued and must be completed by all locations.
- All toxics stored or used must be listed even if disposal is other than to sewer.
- Check container labels for indications of the substance being either toxic or hazardous.
- Trade names are not acceptable. Request a list of chemicals contained from the supplier or manufacturer.
- On page two (2) of the form, the quantity of water used per day can be obtained from your water bill. The figure on the water bill is shown as average monthly consumption in 100's of cubic feet and/or 100's of gallons. You must convert this to gallons per day. On page three (3) of the form, the total water consumption and the total water discharge (or loss) must be equal.

You are urged to return this questionnaire on time. If you expect to be late, please call before the due date. Please complete and return the questionnaire no later than

Should you have any questions or require any assistance, please do not hesitate to call Mr. Michael Rose at 262-7485, between 8:30 a.m. - 11:30 a.m., Monday thru Friday.

Sincerely,

H. Peter Kaleta

H. Peter Kaleta, Superintendent
Wastewater Collection

HPK/dlr

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC) 3079

Company Name VINYLTECH CORPORATION

Mailing Address 201 SOUTH SIXTY FIRST AVENUE PHOENIX, ARIZONA 85043

Address of Premises SAME AS ABOVE

Name and Title of Signing Official ALLAN JENSEN -- PLANT MANAGER

Contact Official ALLAN JENSEN

Name ALLAN JENSEN

Title PLANT MANAGER

Address 201 SOUTH SIXTY FIRST AVENUE PHOENIX, ARIZONA 85043

Phone (602) 233-0071

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

4/20/88
DATE

SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:
MANUFACTURE OF P.V.C. POTABLE WATER PIPING PRODUCTS.

Principal Raw Materials Used: P.V.C. RESIN

Catalysts, Intermediates: CALCIUM CARBONATE, CALCIUM STEARATE, TIO2, TIN STABILIZER, POLYETHELYNE WAX, PARAFFIN WAX

145-38D
New 6/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). P.V.C. POTABLE WATER PIPE

Type of Discharge: _____ Batch XXXXX Continuous if batch, average number of batches/24 hours NA

Peak Flow Time NORMALLY THE SAME AT ALL TIMES

Is there a scheduled shutdown? YES

When? EVERY YEAR ---- DECEMBER 24th. THRU JANUARY 2nd.

Is Production seasonal? NO

If yes, explain indicating month(s) of peak production NA

Average number of employees per shift: 15 (A) 15 (B) 6 (C) 6 (D)

Shift start times: 8:00 AM (A) 8:00 AM (B) 8:00 PM (C) 8:00 PM (D)

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
(A) 1st	12 hr	12 hr	12 hr	6 hr			
(B) 1st				6 hr	12 hr	12 hr	12 hr
(C) 2nd	12 hr	12 hr	12 hr	6 hr			
(D) 2nd				6 hr	12 hr	12 hr	12 hr

DESCRIBE ANY WASTEWATER TREATMENT EQUIPMENT OR PROCESS IN USE:

----- NONE ------

Raw Water Sources:

Source	Quantity
NONE	_____ gallons per day
	_____ gallons per day
	_____ gallons per day

Describe any raw water treatment processes in use:

------ NONE ------

NOTE: ALL FIGURES ARE APPROX:

List Water Consumption in Plant Processes

Cooling Water	16,000	gallons per day
Boiler Feed	NONE	gallons per day
Process Water	NONE	gallons per day
Sanitary System	UNKNOWN	gallons per day
Contained in Product	NONE	gallons per day
Other	1,000	gallons per day
TOTAL	17,000	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	2,500	gallons per day
Natural outlet	500	gallons per day
Waste hauler	None	gallons per day
Evaporation	14,000	gallons per day
Contained in Product	None	gallons per day
TOTAL	17,000	gallons per day

Is discharge to sewer: _____ Intermittent XXXX Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

XXX Yes _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

NONE

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3'-dichlorobenzidine						
29. 1,1-dichloroethylene						

None

145-21D
New 4/83

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

NONE

145-21D
New 4/83

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-	NONE					
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin	NONE					
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. 4,4¹- DDT						
93. 4,4¹- DDE (p,p¹-DDX)						
94. 4,4¹- DDD (p,p¹-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

NONE

TRANSMITTAL LETTER

DESIGNLAB
8232 NORTH SEVENTH STREET · SUITE 110 PHOENIX, ARIZONA 85014 602 · 283 9441

PROJECT: (name, address) Water Resources
City of Phoenix Log #5382

ARCHITECT'S PROJECT NO:

DATE: March 7, 1988

TO: City of Phoenix
Waste Water Operations
2301 West Durango
Phoenix, Arizona 85009

ATTN: Peter Kaleta, Superintendant

If enclosures are not as noted, please inform us immediately.

If checked below, please:

( ) Acknowledge receipt of enclosures.
( ) Return enclosures to us.

WE TRANSMIT:

( ) herewith (x) under separate cover via mail
( ) in accordance with your request

FOR YOUR:

( ) approval ( ) distribution to parties ( ) information
( ) review & comment (x) record
( ) use ( )

THE FOLLOWING:

( ) Drawings ( ) Shop Drawing Prints ( ) Samples
( ) Specifications ( ) Shop Drawing Reproducibles ( ) Product Literature
( ) Change Order ( )

COPIES	DATE	REV. NO.	DESCRIPTION	ACTION CODE
1	2-22-88		Pretreatment Program Questionaire (completed)	

ACTION CODE
A. Action indicated on item transmitted
B. No action required
C. For signature and return to this office
D. For signature and forwarding as noted below under REMARKS
E. See REMARKS below

REMARKS

COPIES TO: (with enclosures)

BY: Peter Hosmer

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

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The objectives of a Pretreatment Program will be to:

- Prevent the introduction of pollutants into Publicly Owned Treatment Works (POTW) which will interfere with treatment operations and/or the use or disposal of the municipal sludge;
- Prevent the introduction of pollutants into the POTW which will pass through the treatment works and be incompatible with the environment;
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- Generally, to reduce the health and environmental risk of pollution caused by discharges to POTWs.

The enclosed questionnaire requests information pertinent to pretreatment of industrial wastes (non-domestic) and the control of such wastes. It will serve as a guidance in developing a cooperative effort between the City of Phoenix and the respective industries, and aid in the development of a sound and equitable Pretreatment Program.

RE: Pretreatment Program

- This survey is periodically reissued and must be completed by all locations.
- All toxics stored or used must be listed even if disposal is other than to sewer.
- Check container labels for indications of the substance being either toxic or hazardous.
- Trade names are not acceptable. Request a list of chemicals contained from the supplier or manufacturer.
- On page two (2) of the form, the quantity of water used per day can be obtained from your water bill. The figure on the water bill is shown as average monthly consumption in 100's of cubic feet and/or 100's of gallons. You must convert this to gallons per day. On page three (3) of the form, the total water consumption and the total water discharge (or loss) must be equal.

You are urged to return this questionnaire on time. If you expect to be late, please call before the due date. Please complete and return the questionnaire no later than

Should you have any questions or require any assistance, please do not hesitate to call Mr. Michael Rose at 262-7485, between 8:30 a.m. - 11:30 a.m., Monday thru Friday.

Sincerely,

H. Peter Kaleta

H. Peter Kaleta, Superintendent
Wastewater Collection

HPK/dlr

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name Water Resources International

Mailing Address 2310 West Sherman, Phoenix, Arizona 85040

Address of Premises 5242 S. 28th Place, Phoenix, Arizona 85040

Name and Title of Signing Official Stephen J. Stanley, Treasurer

Contact Official

Name Stephen Stanley

Title Treasurer

Address 2310 West Sherman, Phoenix, Arizona 85009

Phone (602) 257-0510

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

2-22-88 X
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

The Manufacturer of Water Treatment Equipment.

Principal Raw Materials Used:

Aluminum sheets, aluminum bars, stainless steel sheets, high density polyethylene, ion exchange resin, cleaning compounds (water base i.e. soap).

Catalysts, Intermediates:

None

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). Water softeners, reverse osmosis systems.

Type of Discharge: _____ Batch X Continuous if batch, average number of batches/24 hours --

Peak Flow Time

Is there a scheduled shutdown? No

When? N/A

Is Production seasonal? No

If yes, explain indicating month(s) of peak production

Average number of employees per shift: 105 1st; 7 2nd; _____ 3rd

Shift start times: _____ 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		X	X	X	X	X	
2nd		X	X	X	X	X	
3rd							

Describe any wastewater treatment equipment or processes in use:

None

Raw Water Sources:

Source	Quantity	
City Water Supply	25,000	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use:

Water softening and reverse osmosis filtering.

List Water Consumption in Plant Processes

Cooling Water	1,500	gallons per day
Boiler Feed	N/A	gallons per day
Process Water	18,000	gallons per day
Sanitary System	5,000	gallons per day
Contained in Product	N/A	gallons per day
Other (Landscape)	500	gallons per day
TOTAL	25,000	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	23,000	gallons per day
Natural outlet	500	gallons per day
Waste hauler	N/A	gallons per day
Evaporation	1,500	gallons per day
Contained in Product	N/A	gallons per day
TOTAL	25,000	gallons per day

Is discharge to sewer:_____ Intermittent ___X___ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes ___X___ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane	X	Trace				100%
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3'-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
81. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. 4,4¹- DDT						
93. 4,4¹- DDE (p,p¹-DDX)						
94. 4,4¹- DDD (p,p¹-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name Plastifab

Mailing Address 3801 E Anne

Address of Premises –

Name and Title of Signing Official Larry Wilson Pres

Contact Official

Name same

Title

Address

Phone

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

7-5-83 [signature]
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:
fabricate plastic

Principal Raw Materials Used:
plastic sheet

Catalysts, Intermediates:

145-38D
New 6/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate).

Type of Discharge:_____ Batch_____ Continuous if batch, average number of batches/24 hours_____

Peak Flow Time

Is there a scheduled shutdown? no

When?

Is Production seasonal? no

If yes, explain indicating month(s) of peak production

Average number of employees per shift: 7 1st; _____ 2nd; _____ 3rd

Shift start times: 8am 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		✓	✓	✓	✓	✓	
2nd							
3rd							

Describe any wastewater treatment equipment or processes in use:

—

Raw Water Sources:

Source	Quantity	
City Px	9	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use:

List Water Consumption in Plant Processes

Cooling Water	_____	gallons per day
Boiler Feed	/	gallons per day
Process Water	_____	gallons per day
Sanitary System	9	gallons per day
Contained in Product	/	gallons per day
Other	/	gallons per day
TOTAL	9	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	9	gallons per day
Natural outlet	/	gallons per day
Waste hauler	/	gallons per day
Evaporation	/	gallons per day
Contained in Product	/	gallons per day
TOTAL	9	gallons per day

Is discharge to sewer: _____ Intermittent _____ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes ___/___ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3[1]-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride ✓	✓	1/10 gal	50			50
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. $4,4^1$- DDT						
93. $4,4^1$- DDE (p,p^1-DDX)						
94. $4,4^1$- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

Chris
Water
usage

K

INDUSTRIAL WASTE QUESTIONNAIRE

RECEIVED

JUL 20 1983

CITY OF PHOENIX
SEWER DIVISION

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name Polychrome Corp.

Mailing Address 3836 West Van Buren

Address of Premises Phx. Az. 85009

Name and Title of Signing Official Michael Combes - Michael Combes

Contact Official

Name Michael Combes

Title Branch Manager

Address 3836 West Van Buren
Phx. Az. 85009

Phone 602-931-1264

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

6-5-83 Michael R. Combes
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises: blending of inks mfg in Los Angeles to make specific colors.

Principal Raw Materials Used: none

Catalysts, Intermediates:

145-38D
New 6/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). Lithographic ink blending

Type of Discharge: N/A _____ Batch _____ Continuous if batch, average number of batches/24 hours _____

Peak Flow Time

Is there a scheduled shutdown? NO

When?

Is Production seasonal? NO

If yes, explain indicating month(s) of peak production

Average number of employees per shift: 4 1st; _____ 2nd; _____ 3rd

Shift start times: 8AM 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		✓	✓	✓	✓	✓	
2nd							
3rd							

Describe any wastewater treatment equipment or processes in use:

N/A

Raw Water Sources:

Source	Quantity
	gallons per day
	gallons per day
	gallons per day

Describe any raw water treatment processes in use: N/A

145-38D
New 6/83

List Water Consumption in Plant Processes We do not pay water - it is provided by landlord (Marshall Properties)

Cooling Water	_____	gallons per day
Boiler Feed	_____	gallons per day
Process Water	_____	gallons per day
Sanitary System	_____	gallons per day
Contained in Product	_____	gallons per day
Other	_____	gallons per day
TOTAL	_____	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	_____	gallons per day
Natural outlet	_____	gallons per day
Waste hauler	_____	gallons per day
Evaporation	_____	gallons per day
Contained in Product	_____	gallons per day
TOTAL	_____	gallons per day

Is discharge to sewer:_____ Intermittent _____ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? No
If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3'-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. $4,4^1$- DDT						
93. $4,4^1$- DDE (p,p^1-DDX)						
94. $4,4^1$- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name WESTERN STATES PETROLEUM (SHELL CHEM)

Mailing Address 450 So 15TH AVE PHOENIX AZ 85007

Address of Premises

Name and Title of Signing Official

Contact Official

Name

Title

Address

Phone

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

7-5-83 J Berg

DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

Principal Raw Materials Used:

Stock Toluene only and get from West Coast - Do not do any formulation

Catalysts, Intermediates:

145-38D
New 4/83

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

Shell Chemical Co.
450 S. 15th Ave.
Phoenix, AZ 85007

The United States Environmental Protection Agency (E.P.A.) has requested the City of Phoenix develop a Pretreatment Program as required by the Clean Water Act (CWA) of 1977 (Public Law 95-217) and the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR, Part 403) promulgated by E.P.A. June 26, 1978.

The objectives of a Pretreatment Program will be to:

- Prevent the introduction of pollutants into Publicly Owned Treatment Works (POTW) which will interfere with treatment operations and/or the use or disposal of the municipal sludge;
- Prevent the introduction of pollutants into the POTW which will pass through the treatment works and be incompatible with the environment;
- Improve the feasibility of recycling and reclaiming the municipal and industrial wastewaters and sludges;
- Enforce applicable E.P.A. Standards; and
- Generally, to reduce the health and environmental risk of pollution caused by discharges to POTWs.

The enclosed questionnaire requests information pertinent to pretreatment of industrial wastes (non-domestic) and the control of such wastes. It will serve as a guidance in developing a cooperative effort between the City of Phoenix and the respective industries, and aid in the development of a sound and equitable Pretreatment Program.

RE: Pretreatment Program

- This survey is periodically reissued and must be completed by all locations.
- All toxics stored or used must be listed even if disposal is other than to sewer.
- Check container labels for indications of the substance being either toxic or hazardous.
- Trade names are not acceptable. Request a list of chemicals contained from the supplier or manufacturer.
- On page two (2) of the form, the quantity of water used per day can be obtained from your water bill. The figure on the water bill is shown as average monthly consumption in 100's of cubic feet and/or 100's of gallons. You must convert this to gallons per day. On page three (3) of the form, the total water consumption and the total water discharge (or loss) must be equal.

You are urged to return this questionnaire on time. If you expect to be late, please call before the due date. Please complete and return the questionnaire no later than July 15, 1983.

Should you have any questions or require any assistance, please do not hesitate to call Mr. Michael Rose at 262-7485, between 8:30 a.m. - 11:30 a.m., Monday thru Friday.

Sincerely,

H. Peter Kaleta

H. Peter Kaleta, Superintendent
Wastewater Collection

HPK/dlr

RECEIVED

JUL 0 8 1983

CITY OF PHOENIX
SEWER DIVISION

CHEMONICS

July 11, 1983

City of Phoenix
Wastewater Operations
2301 West Durango
Phoenix, Arizona 85009

Gentlemen:

Attached to this letter is a corrected copy regarding the metals we use in our work for your Industrial Waste Questionnaire.

We apologize for any inconvenience this may have caused.

Sincerely,

J. Allen Dunlap, III
Director, Government Relations

JAD:wcs

CHEMONICS INDUSTRIES, INC. / P.O. BOX 21537 / PHOENIX, ARIZONA 85036 / TEL. (602) 243-3213 / TELEX 667-358

CHEMONICS INDUSTRIES
P.O. BOX 21568
PHOENIX, AZ 85036

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CORRECTION SHEET FOR METALS ONLY

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)	✓	?	?	0	Every into our septic tank in mg & gm quantities	
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC) 287

Company Name CHEMONICS INDUSTRIES INC.

Mailing Address P.O. Box 21568, PHOENIX, AZ

Address of Premises 734 E. S.P. Drive, PHOENIX, AZ

Name and Title of Signing Official J. ALLEN DUNLAP III, DIRECTOR, GOV'T RELATIO

Contact Official

Name J. ALLEN DUNLAP III

Title DIRECTOR, GOV'T RELATIONS

Address P.O. Box 21537, PHOENIX, AZ 85036

Phone 602-243-2711 EXT 220

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

7/1/83 J. Allen Dunlap III

DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

I do not feel the rest of this questionaire pertains to our type of business. We are not conneted to the sewer system at this sight.

Brief description of manufacturing or service activity on premises: This is a laboratory which runs soil, water and plant analysis in addition to residue samples for pesticides.

Principal Raw Materials Used:

Catalysts, Intermediates:

145-38D
New 6/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). AGRO-CHEMICAL LABORATORY FOR TESTING SOILS, WATER AND PLANT TISSUE

Type of Discharge:_____ Batch_____ Continuous if batch, average number of batches/24 hours_____

Peak Flow Time

Is there a scheduled shutdown?

When?

Is Production seasonal?

If yes, explain indicating month(s) of peak production

Average number of employees per shift:_____ 1st; _____ 2nd; _____ 3rd

Shift start times: _____ 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st	____	____	____	____	____	____	____
2nd	____	____	____	____	____	____	____
3rd	____	____	____	____	____	____	____

Describe any wastewater treatment equipment or processes in use:

Raw Water Sources:

Source	Quantity
_____	_____ gallons per day
_____	_____ gallons per day
_____	_____ gallons per day

Describe any raw water treatment processes in use:

List Water Consumption in Plant Processes

Cooling Water	—	gallons per day
Boiler Feed	—	gallons per day
Process Water	—	gallons per day
Sanitary System		gallons per day
Contained in Product	—	gallons per day
Other	—	gallons per day
TOTAL		gallons per day

List average volume of discharge or water loss to

City wastewater sewer	0	gallons per day
Natural outlet	—	gallons per day
Waste hauler	0	gallons per day
Evaporation	—	gallons per day
Contained in Product	—	gallons per day
TOTAL		gallons per day

Is discharge to sewer: NO Intermittent _____ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

X Yes _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene	✓	?		0	<1%	>99%
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-	✓	?		0	<1%	>99%
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3¹-dichlorobenzidine						
29. 1,1-dichloroethylene						

145-21D
New 4/83

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride	✓	?		0	<1%	>99%
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene	✓	?		0	<1%	>99%
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene	✓	?		0	<1%	>99%
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin	✓	?		0	<1%	>99%
90. Dieldrin	✓	?		0	<1%	>99%
91. Chlordane (technical	✓	?		0	<1%	>99%
mixture & metabolites)						
92. 4,4¹- DDT	✓	?		0	<1%	>99%
93. 4,4¹- DDE (p,p¹-DDX)	✓	?		0	<1%	>99%
94. 4,4¹- DDD (p,p¹-TDE)	✓	?		0	<1%	>99%
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin	✓	?		0	<1%	>99%
99. Endrin aldehyde						
100. Heptachlor	✓	?		0	<1%	>99%
101. Heptachlor epoxide	✓	?		0	<1%	>99%
102. A-BHC-Alpha	✓	?		0	<1%	>99%
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma	✓	?		0	<1%	>99%

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-	✓		?	0	<1%	>99%
1242)						
107. PCB-1254 (Arochlor	✓		?	0	<1%	>99%
1254)						
108. PCB-1221 (Arochlor	✓		?	0	<1%	>99%
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor	✓		?	0	<1%	>99%
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene	✓		?	0	<1%	>99%
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)	✓		?	0	<1%	>99%
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

145-21D
New 4/83

RECEIVED
JUL 07 1983
CITY OF PHOENIX
SEWER DIVISION

Available Metals Refining
a division of AMR Industries, Inc.

REFINERS OF PRECIOUS METALS

734 East Southern Pacific Drive
Phoenix, Arizona, U.S.A. 85034
(602) 252-6146

P.O. Box 2711
Phoenix, Arizona 85002

December 10, 1986

City of Phoenix
Wastewater Operations
Mr. Gene D. Bennett, Inspector 1
Industrial Waste Control
2301 W. Durango
Phoenix, Arizona 85009

Dear Mr. Bennett,

In regards to Section #2 Item C, we are sharing meter #0-0929-0185-03 with Chemonics Industries Analytical Lab Divsion. Our landlord has averaged the water usage for both companies in Section II Item C.

In Section III (Operation's) Item G, I have averaged our portion of the total water usage based on 35 gallons per day per person for a total of 245 gallons. This figure represent's the only water that is discharged from this facility.

Sincerely,

John L. Davis

John Davis
Plant Manager

JD.mln

RECEIVED
DEC 12 1986

Available Metals Refining
a division of AMR Industries, Inc.

REFINERS OF PRECIOUS METALS

734 East Southern Pacific Drive
Phoenix, Arizona, U.S.A. 85034
(602) 252-6146

P.O. Box 2711
Phoenix, Arizona 85002

December 10, 1986

City of Phoenix
Wastewater Operations
Mr. Gene D. Bennett, Inspector 1
Industrial Waste Control
2301 W. Durango
Phoenix, Arizona 85009

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In regards to Section #2 Item C, we are sharing meter #0-0929-0185-03 with Chemonics Industries Analytical Lab Divsion. Our landlord has averaged the water usage for both companies in Section II Item C.

In Section III (Operation's) Item G, I have averaged our portion of the total water usage based on 35 gallons per day per person for a total of 245 gallons. This figure represent's the only water that is discharged from this facility.

Sincerely,

John L. Davis

John Davis
Plant Manager

JD.mln

CITY OF PHOENIX, ARIZONA

INDUSTRIAL WASTE DISCHARGE QUESTIONNAIRE
AND
PERMIT APPLICATION
(Refer to Chapter 28 of the Phoenix City Code)

Note to signing official: Please complete all sections of this questionnaire and application, attaching additional sheets as necessary for completion of any section.

This report is for:
__ Application for an original permit
X Annual survey
__ Application for a renewal permit
__ Compliance

Fee:
X None required at this time. In the event a permit is later determined to be required, you will be advised and a $25.00 application fee will then be required.

__ A $_____ application fee must be remitted with this application and subsequent annual renewals. Make all checks payable to the City Treasurer.

I. COMPANY PROFILE

A. Applicant: AVAILABLE METALS REFINING

B. Service address: 734 E. SOUTHERN PACIFIC DR.
PHOENIX, ARIZONA 85034

C. Billing address: P.O. BOX 2711
PHOENIX, ARIZONA 85002-2711

D. Phone: 602-252-6146

E. Assessor's parcel number(s): BUILDING #8

F. Describe location of all connections to city sewer mains: NONE

G. Product(s) manufactured on premises: NONE

H. Standard Industrial Classification (S.I.C.) codes: 3341

II. WATER FLOW

A. Water source (check where appropriate):

Public		Metered	XXX
Private well		Unmetered	

B. Water account numbers:

1) 0-0929-0185-03
2)
3)
4)
5)
6)

C. Daily water usage:
(all sources)

(Two Tenent's)

Maximum	4278 gal.	Time of day	8:00am - 5;00pm
Minimum	26 gal.	Time of day	8:00am - 5:00pm
Average	1077 gal.		

III. OPERATIONS

A. Brief description of manufacturing or service activity on premises: PRECIOUS METAL RECOVERY FROM ELECTRONIC SCRAP

B. Principal raw materials used: CYANIDE SUPER STRIP 100% (ORGAANIC ACID)

C. Catalysts, intermediates: NONE

	Day Shift (-)	2nd Shift (-)	3rd Shift (-)
D. Number of employees	7	N/A	N/A
Days per week	5		

E. If seasonal, months: N/A

F. Pretreatment facilities:

	Currently Installed	Proposed
Volume of grease trap	N/A Gals.	Gals.
Water volume of settling tank	2650 Gals.	Gals.

Other pretreatment processes: (describe and submit plans) _____

G. List the average volume of discharge or water loss to:

Landscape irrigation	NONE	Gallons per day
City sanitary sewer:		
Process waste	NONE	Gallons per day
Sanitary waste	NONE	Gallons per day
Natural outlet	245	Gallons per day
• Description: Septic Tank		
• Location: Building 8		
Waste hauler	NONE	Gallons per day
• Name: N/A		
Evaporation	32	Gallons per day
Contained in product		Gallons per day
Other (specify)	NONE	Gallons per day
Total		Gallons per day

H. Is industrial discharge to sewer: N/A Batch
XXX Continuous

I. Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

XXX Yes * _____ No

* Submit description: _____

J. Is there a Solvent Management Plan in effect at this plant?

_____ Yes ** _____ No

** Submit description: N/A

K. Except as listed in the next section (IV), list any chemical used, stored, or produced as a by-product which could be considered to be corrosive or hazardous: _____

V. CERTIFICATION BY COMPANY OFFICIAL

A. Name, title and telephone number of person to contact concerning information provided in this questionnaire.

Name: JOHN L. DAVIS Phone: 252-6146
Title: PLANT MANAGER 231-0224

B. Applicable Federal Categories

List all regulated or proposed to be regulated categories (applicable to this location) subject to Federal Categorical Standards; list by category title and/or Code of Federal Regulations (CFR) number:
NONE

C. All pretreatment standards and discharge limitations are being met consistently:

XXX Yes _____ No *

* If not in compliance, a schedule of compliance must be attached to this application.

D. I affirm that all information provided in this questionnaire is accurate to the best of my knowledge. (To be signed by plant manager or company representative, if responsible for overall operation.)

Signature: John L. Davis
Title: PLANT MANAGER
Date: 11-17-86
Phone: 252-6146 231-0224

FOR CITY USE ONLY

Disposition:

___ Permit not required
___ Regular permit
___ Compliance permit Date issued: _____

Comments: _____

VI. LABORATORY ANALYSIS

Note: The cost of the laboratory analysis required to provide the following information on the discharge to the public sewer is to be paid for by the applicant. A copy of the original laboratory report must be attached.

A. Applicant

Name: _____
Service address: _____
City: _____
State: _____
Zip: _____

B. Describe sampling point and location: _____

_____
_____
_____
_____

C. Sampling Technique Used

	Date
Composite sample taken during operating hours:	/ /

Method: Hand _____
Time _____
Flow _____

17. LIST OF 129 TOXIC POLLUTANTS

Are any of the toxic pollutants listed below being used, stored, or produced as by-product at this facility? If so, please indicate by a checkmark in the column headed "CHEMICALS ON SITE", and then provide the information requested in the other five columns for only those pollutants which have been so marked.

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride (Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3 1-dichlorobenzidine						
29. 1,1-dichloroethylene						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
30. 1,2-trans-dichloro-ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene (1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl ether						
41. 4-bromophenyl phenyl ether						
42. Bis(2-chloroisopropyl) ether						
43. Bis(2-chloroethoxy) methane						
44. Methylene chloride (dichloromethane)						
45. Methyl chloride (chloromethane)						
46. Methyl bromide (bromomethane)						
47. Bromoform (tribromomethane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						
53. Hexachlorocyclopen-tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl) phthalate						
67. Butyl benzyl phthalate						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene (1,2-benzanthracene)						
73. Benzo (a) pyrene (3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane (11,12-benzofluoran-thene)						
76. Chrysene						
77. Acenaphthylene						
78. Anthracene						
79. Benzo(ghi)perylene (1,12-benzoperylene)						
80. Fluroene						
81. Phenathrene						
82. Dibenzo (a,h)anthracene (1,2,5,6-dibenzanthra-cene)						
83. Indeno (1,2,3-cd)pyrene (2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloroethylene)						
89. Aldrin						
90. Dieldrin						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
91. Chlordane (technical mixture & metabolites)						
92. 4,4 1 - DDT						
93. 4,4 1 - DDE (p,pl-DDX)						
94. 4,4 1 - DDD (p,pl-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						
105. G-BHC-Delta						
106. PCB-1242 (Arochlor 1242)						
107. PCB-1254 (Arochlor 1254)						
108. PCB-1221 (Arochlor 1221)						
109. PCB-1232 (Arochlor 1232)						
110. PCB-1248 (Arochlor 1248)						
111. PCB-1260 (Arochlor 1260)						
112. PCB-1016 (Arochlor 1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenci (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)						

CITY OF PHOENIX, ARIZONA

INDUSTRIAL WASTE DISCHARGE QUESTIONNAIRE AND PERMIT APPLICATION

(Refer to Chapter 28 of the Phoenix City Code)

Note to signing official: Please complete all sections of this questionnaire and application, attaching additional sheets as necessary for completion of any section.

This report is for: __ Application for an original permit ✓ Annual survey

__ Application for a renewal permit __ Compliance

Fee: ✓ None required at this time. In the event a permit is later determined to be required, you will be advised and a $ 60.00 application fee will then be required.

__ A $ _____ application fee must be remitted with this application and subsequent annual renewals. Make all checks payable to the City Treasurer.

I. COMPANY PROFILE

A. Applicant: Spectrum CVD, Inc.

B. Service address: 3821 E. Broadway Rd. Phoenix, AZ 85040

C. Billing address: Same

D. Phone: 437-9035

E. Assessor's parcel number(s): 714-951-7000

F. Describe location of all connections to city sewer mains: Bldg. main sewer line extends west of bldg. and north to city main buried in street (Broadway Rd.)

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SEWER DIVISION

G. Product(s) manufactured on premises:
SEMICONDUCTOR MANUFACTURING EQUIPMENT

H. Standard Industrial Classification (S.I.C.) codes:

II. WATER FLOW

A. Water source (check where appropriate):

Public		Metered	✓
Private well		Unmetered	

B. Water account numbers:

1) 0043600 4207
2)
3)
4)
5)
6)

C. Daily water usage:
(all sources)

Maximum _____ gal. Time of day _____
Minimum _____ gal. Time of day _____
Average 3,465 gal.

III. OPERATIONS

A. Brief description of manufacturing or service activity on premises: LIGHT ELECTRICAL BOARD AND MACHINED PART ASSEMBLY. CHEMICAL VAPOR DEPOSITION RESEARCH AND CUSTOMER DEMONSTRATION.

B. Principal raw materials used: ELECTRICAL COMPONENTS, PCB's* MACHINED PARTS AND GAS SOURCES FOR CUSTOMER DEPOSITION DEMONSTRATIONS.

*PRINTED CIRCUIT BOARD

C. Catalysts, intermediates: N/A

	Day Shift (7 - 4:30)	2nd Shift (2 - 11)	3rd Shift (-)
D. Number of employees	44	3	
Days per week	5	5	

E. If seasonal, months: N/A

F. Pretreatment facilities:

	Currently Installed	Proposed
Volume of grease trap	N/A Gals.	_____ Gals.
Water volume of settling tank	N/A Gals.	_____ Gals.

Other pretreatment processes: (describe and submit plans) _____

G. List the average volume of discharge or water loss to:

Landscape irrigation	629	Gallons per day
City sanitary sewer:		
Process waste	96	Gallons per day
Sanitary waste	2740	Gallons per day
Natural outlet	3,465	Gallons per day
• Description _____		
• Location _____		
Waste hauler	N/A	Gallons per day
• Name _____		
Evaporation	N/A	Gallons per day
Contained in product	N/A	Gallons per day
Other (specify)	N/A	Gallons per day
Total	3,465	Gallons per day

H. Is industrial discharge to sewer: ✓ Batch
___ Continuous

I. Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

___ Yes * ✓ No

* Submit description: _____

J. Is there a Solvent Management Plan in effect at this plant?

✓ Yes ** ___ No

** Submit description: ALL SOLVENTS USED ARE BATCH COLLECTED AND STORED IN 55 GAL. DRUMS FOR RECLAMATION

K. Except as listed in the next section (IV), list any chemical used, stored, or produced as a by-product which could be considered to be corrosive or hazardous: _____

STORED FOR OCCASIONAL USE:

MATERIAL	QTY
Hydrofluoric Acid	4 gal
Nitric Acid	4 gal
Acetic Acid	4 gal
Sulfuric Acid	2 gal
Phosphoric Acid	1 gal
5-1-1 Etch	1 gal
20-1 Etch	4 gal
Potassium Hydroxide	20 #'s

V. CERTIFICATION BY COMPANY OFFICIAL

A. Name, title and telephone number of person to contact concerning information provided in this questionnaire.

Name: ED KELLER Phone: 437-9035
Title: OPERATIONS MGR

B. Applicable Federal Categories

List all regulated or proposed to be regulated categories (applicable to this location) subject to Federal Categorical Standards; list by category title and/or Code of Federal Regulations (CFR) number:

C. All pretreatment standards and discharge limitations are being met consistently:

✓ Yes _____ No *

* If not in compliance, a schedule of compliance must be attached to this application.

D. I affirm that all information provided in this questionnaire is accurate to the best of my knowledge. (To be signed by plant manager or company representative, if responsible for overall operation.)

Signature: JB Bruce
Title: VICE PRESIDENT
Date: 11/24/87
Phone: 437-9035

FOR CITY USE ONLY

Disposition:

___ Permit not required
___ Regular permit
___ Compliance permit Date issued: _____

Comments: _____

VI. LABORATORY ANALYSIS

Note: The cost of the laboratory analysis required to provide the following information on the discharge to the public sewer is to be paid for by the applicant. A copy of the original laboratory report must be attached.

A. Applicant

Name: _____

Service address: _____

City: _____

State: _____

Zip: _____

B. Describe sampling point and location: _____

_____

_____

_____

_____

C. Sampling Technique Used

	Date
Composite sample taken during operating hours:	/ /

Method: Hand _____

Time _____

Flow _____

IV. LIST OF 129 TOXIC POLLUTANTS

Are any of the toxic pollutants listed below being used, stored, or produced as a by-product at this facility? If so, please indicate by a checkmark in the column headed "CHEMICALS ON SITE", and then provide the information requested in the other five columns for only those pollutants which have been so marked.

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride (Tetrachloromethane)						
7. Chlorobenzene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3 1-dichlorobenzidine						
29. 1,1-dichloroethylene						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
30. 1,2-trans-dichloro-ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene (1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl ether						
41. 4-bromophenyl phenyl ether						
42. Bis(2-chloroisopropyl) ether						
43. Bis(2-chloroethoxy) methane						
44. Methylene chloride (dichloromethane)						
45. Methyl chloride (chloromethane)						
46. Methyl bromide (bromomethane)						
47. Bromoform (tribromomethane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						
53. Hexachlorocyclopen-tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-n-propy-lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl) phthalate						
67. Butyl benzyl phthalate						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene (1,2-benzanthracene)						
73. Benzo (a) pyrene (3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthene (11,12-benzofluoran-thene)						
76. Chrysene						
77. Acenaphthylene						
78. Anthracene						
79. Benzo(ghi)perylene (1,12-benzoperylene)						
80. Fluorene						
81. Phenanthrene						
82. Dibenzo (a,h)anthracene (1,2,5,6-dibenzanthra-cene)						
83. Indeno (1,2,3-cd)pyrene (2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloroethylene)						
89. Aldrin						
90. Dieldrin						

List of 129 Toxic Pollutants - Continued

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED OR PRODUCED PER DAY	FINAL DISPOSITION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPO-RATION
91. Chlordane (technical mixture & metabolites)						
92. 4,4 1 - DDT						
93. 4,4 1 - DDE (p,p1-DDX)						
94. 4,4 1 - DDD (p,p1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						
105. G-BHC-Delta						
106. PCB-1242 (Arochlor 1242)						
107. PCB-1254 (Arochlor 1254)						
108. PCB-1221 (Arochlor 1221)						
109. PCB-1232 (Arochlor 1232)						
110. PCB-1248 (Arochlor 1248)						
111. PCB-1260 (Arochlor 1260)						
112. PCB-1016 (Arochlor 1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenci (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)						

INDUSTRIAL WASTE QUESTIONNAIRE

RECEIVED
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CITY OF PHOENIX
SEWER DIVISION

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name ABS METALLURGICAL PROCESSORS

Mailing Address 4313 E. Magnolia Phoenix, Ariz 85034

Address of Premises 4313 E. Magnolia Phoenix, Ariz 85034

Name and Title of Signing Official Michael G. Ferguson
General Manager

Contact Official Michael G. Ferguson

Name Michael G. Ferguson

Title General Manager

Address 4313 E. Magnolia Phoenix, Ariz 85034

Phone (602) 437-3008

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

11-23 Michael G. Ferguson
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:
Heat treating Company

Principal Raw Materials Used: N/A

Catalysts, Intermediates:
N/A

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). N/A

Type of Discharge: N/A Batch N/A Continuous if batch, average number of batches/24 hours _____

Peak Flow Time

Is there a scheduled shutdown? N/A

When? N/A

Is Production seasonal? N/A

If yes, explain indicating month(s) of peak production

Average number of employees per shift: 6 1st; 3 2nd; 2 3rd

Shift start times: 6am 1st; 230pm 2nd; 1100pm 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		X	X	X	X	X	
2nd		X	X	X	X	X	
3rd		X	X	X	X	X	

Describe any wastewater treatment equipment or processes in use:

Rinse water.

Raw Water Sources: N/A

Source	~~Quantity~~ Water Meter Reading
~~City Of Phoenix~~	778092 cubic ft. 11-23-87 gallons per day
	gallons per day
	gallons per day

Describe any raw water treatment processes in use:

N/A

List Water Consumption in Plant Processes

Cooling Water	N/A	gallons per day
Boiler Feed	N/A	gallons per day
Process Water	N/A	gallons per day
Sanitary System	N/A	gallons per day
Contained in Product	N/A	gallons per day
Other	N/A	gallons per day
TOTAL		gallons per day

List average volume of discharge or water loss to

City wastewater sewer	N/A	gallons per day
Natural outlet	N/A	gallons per day
Waste hauler	N/A	gallons per day
Evaporation	?	gallons per day
Contained in Product	N/A	gallons per day
TOTAL	N/A	gallons per day

Is discharge to sewer: N/A Intermittent N/A Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes N/A _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

N/A

CITY OF PHOENIX, ARIZONA
FIRE DEPARTMENT
DIVISION OF FIRE PREVENTION
620 W. Washington St. • Room 167 • Phoenix, AZ 85003

PERMIT NUMBER

HAZARDOUS MATERIALS PERMIT APPLICATION

For the confidential information of the Chief of the Division of Fire Prevention who shall use the data contained therein to evaluate the fire and explosion hazard.

ADDRESS 4313 E. Magnolia Phoenix, AZ 85034	OCCUPANCY NAME ABS Metallurgical Processors Inc.
BLDG./PROP. OWNER NAME Moe Cowin PHONE 998-4579 [redacted]	RESPONSIBLE PARTY Mike Ferguson PHONE 276-7349

NOTE: FILL OUT COMPLETELY AND RETURN TO ADDRESS AT TOP OF PAGE WITHIN _____ DAYS.

1. Indicate by a "Yes or No" for each of the following hazardous materials whether they are to be used, processed or stored in this building. (See back for definitions)

FLAMMABLE LIQUIDS Yes
FLAMMABLE GASES Yes DUSTS No FIBERS No
COMBUSTIBLE LIQUID Yes
COMBUSTIBLE DUST No FIBERS No
EXPLOSIVE AND UNSTABLE No
CORROSIVE No
TOXIC No
OXIDIZERS No

2. Indicate equipment or process involving any of the above Material:

Hydraulic Equipment	☐	Dust Collectors	XX	Drying Rooms	XX
Inhalat./Medical Gas	XX	Electro Plating	☐	Flow Coaters	☐
Pickling or Garnetting	XX	Spray Painting	☐	Dip Tanks	XX
Magnesium Processing	☐	Ovens, Process	XX	Baler or Shredder	☐
Molten Salt Baths	☐	Welding/Cutting	XX	Others	XX

3. List separately any hazardous materials indicated in item 1. Show maximum quantities in use, storage or processing and show flash point of flammable and combustible liquids.

LIST HAZARDOUS MATERIALS	AMT. IN USE	AMT. IN STORAGE	FLASH PT.
Methanol	5 gal.	no storage	
Acetone	5 gal.	no storage	
Nitric Acid	10 gal	30 gal.	
Alkali	80 gal.	380 lbs.	
Tricholrethylene	20 gal.	35 gal.	
Quench Oil 521	55 gal.	55 gal.	

I hereby certify that the use, storage or process of hazardous materials in this building will be limited as indicated above.

Signature Mike L Ferguson Date 5-23-83
Owner or Responsible Agent

PERSON TO CONTACT FOR ADDITIONAL HAZARDOUS MATERIAL INFORMATION.

Name _____ Phone _____

OCCUPANT

90-10D
Rev. 2-80

INDUSTRIAL WASTE QUESTIONNAIRE

NOT TO SEWER
DOES NOT USE WATER IN PROCESS
Lloyd Hook 10/31/83

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name ABS Metallurgical Proc. Inc.

Mailing Address 4313 E. Magnolia

Address of Premises 4313 E. Magnolia

Name and Title of Signing Official Mike Ferguson, Manager

Contact Official Mike Ferguson

Name Mike Ferguson

Title Manager

Address 4313 E. Magnolia Home: 7036 S. 5th Ave.

Phone 276-7349 Home: 268-8346

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

2-5-83 Michael H. Ferguson
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

Principal Raw Materials Used:

NONE

Catalysts, Intermediates:

NONE

145-38D
New 6/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). Heat Treat

Type of Discharge: NONE Batch NONE Continuous if batch, average number of batches/24 hours NONE

Peak Flow Time

Is there a scheduled shutdown?

When? 11:00 P.M. Monday thru Friday

Is Production seasonal? No

If yes, explain indicating month(s) of peak production

Average number of employees per shift: 7 1st; 4 2nd; _____ 3rd

Shift start times: 6:00 A.M. 1st; 2:30 P.M. 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		X	X	X	X	X	
2nd		X	X	X	X	X	
3rd							

Describe any wastewater treatment equipment or processes in use:

NONE

Raw Water Sources:

Source	Quantity	
City of Phoenix	25	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use:

List Water Consumption in Plant Processes

Cooling Water	25	gallons per day
Boiler Feed	-0-	gallons per day
Process Water	-0-	gallons per day
Sanitary System	-0-	gallons per day
Contained in Product	-0-	gallons per day
Other	-0-	gallons per day
TOTAL	-0-	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	-0-	gallons per day
Natural outlet	-0-	gallons per day
Waste hauler	-0-	gallons per day
Evaporation	-0-	gallons per day
Contained in Product	-0-	gallons per day
TOTAL	-0-	gallons per day

Is discharge to sewer: NONE Intermittent NONE Steady NONE

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

____ Yes X No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

NO

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane	55 gal.	5 gal.	55 gal.	-0-	-0-	5 gal. daily
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3[1]-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. $4,4^1$- DDT						
93. $4,4^1$- DDE (p,p^1-DDX)						
94. $4,4^1$- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)	Approx. 150 lbs.	-0-	-0-	-0-	-0-	-0-
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

CITY OF PHOENIX
WASTEWATER OPERATIONS
2301 WEST DURANGO
PHOENIX, ARIZONA 85009
TELEPHONE (602) 262-7481

ALL-AMERICA CITY
1950-1958-1980

ABS Metallurgical
4313 East Magnolia
Phoenix, AZ 85034

The United States Environmental Protection Agency (E.P.A.) has requested the City of Phoenix develop a Pretreatment Program as required by the Clean Water Act (CWA) of 1977 (Public Law 95-217) and the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR, Part 403) promulgated by E.P.A. June 26, 1978.

The objectives of a Pretreatment Program will be to:

- Prevent the introduction of pollutants into Publicly Owned Treatment Works (POTW) which will interfere with treatment operations and/or the use or disposal of the municipal sludge;
- Prevent the introduction of pollutants into the POTW which will pass through the treatment works and be incompatible with the environment;
- Improve the feasibility of recycling and reclaiming the municipal and industrial wastewaters and sludges;
- Enforce applicable E.P.A. Standards; and
- Generally, to reduce the health and environmental risk of pollution caused by discharges to POTWs.

The enclosed questionnaire requests information pertinent to pretreatment of industrial wastes (non-domestic) and the control of such wastes. It will serve as a guidance in developing a cooperative effort between the City of Phoenix and the respective industries, and aid in the development of a sound and equitable Pretreatment Program.

RE: Pretreatment Program

- This survey is periodically reissued and must be completed by all locations.
- All toxics stored or used must be listed even if disposal is other than to sewer.
- Check container labels for indications of the substance being either toxic or hazardous.
- Trade names are not acceptable. Request a list of chemicals contained from the supplier or manufacturer.
- On page two (2) of the form, the quantity of water used per day can be obtained from your water bill. The figure on the water bill is shown as average monthly consumption in 100's of cubic feet and/or 100's of gallons. You must convert this to gallons per day. On page three (3) of the form, the total water consumption and the total water discharge (or loss) must be equal.

You are urged to return this questionnaire on time. If you expect to be late, please call before the due date. Please complete and return the questionnaire no later than July 5, 1983.

Should you have any questions or require any assistance, please do not hesitate to call Mr. Michael Rose at 262-7485, between 8:30 a.m. - 11:30 a.m., Monday thru Friday.

Sincerely,

H. Peter Kaleta, Superintendent
Wastewater Collection

HPK/dlr

RECEIVED

JUL 0 8 1983

CITY OF PHOENIX
SEWER DIVISION

INDUSTRIAL WASTE QUESTIONNAIRE

RECEIVED

JUN 29 1983

CITY OF PHOENIX
SEWER DIVISION

GENERAL INFORMATION

Standard Industrial Classification Code (SIC) 3674

Company Name White Technology, Inc.

Mailing Address 4246 E. Wood Street, Phoenix, Arizona

Address of Premises 4246 E. Wood Street, Phoenix, Arizona

Name and Title of Signing Official

Contact Official

Name Phil Lichtenberger

Title Manufacturing Manager

Address 4246 E. Wood Street

Phone 268-1371

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

6/24/83 Phil Lichtenberger
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:
Assembly of hybrid micoelectronic circuits.

Principal Raw Materials Used: Integrated circuits, transistors, Diodes, Epoxies, Wire Ceramic, Gold and Silver Pastes, Gold and aluminum wire, and solder

Catalysts, Intermediates: N/A

145-38D
New 6/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). Hybrid Integrated Circuits (assembly only)

Type of Discharge: none Batch _____ Continuous if batch, average number of batches/24 hours _____

Peak Flow Time

Is there a scheduled shutdown? yes

When? Sat. & Sun.

Is Production seasonal? no

If yes, explain indicating month(s) of peak production

Average number of employees per shift: 80 1st; 10 2nd; 2 3rd

Shift start times: 6:00AM 1st; 3:30 PM 2nd; 11:30 PM 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		X	X	X	X	X	
2nd		X	X	X	X	X	
3rd		X	X	X	X	X	

Describe any wastewater treatment equipment or processes in use:

N/A

Raw Water Sources:

Source	Quantity	
City Water	2050	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use:

N/A

List Water Consumption in Plant Processes

Cooling Water	1440	gallons per day *
Boiler Feed	none	gallons per day
Process Water	none	gallons per day
Sanitary System	610	gallons per day
Contained in Product	none	gallons per day
Other	none	gallons per day
TOTAL	2050	gallons per day

* We are going to intall a new furnace (waterless) = ½ consumption of water

List average volume of discharge or water loss to

City wastewater sewer	2050	gallons per day
Natural outlet	none	gallons per day
Waste hauler	none	gallons per day
Evaporation	none	gallons per day
Contained in Product	none	gallons per day
TOTAL	2050	gallons per day

Is discharge to sewer: yes Intermittent _____ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

X Yes _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I. None

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane	110 Gals	5	none	none	90%	10%
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3¹-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
* 50. Dichlorodifluoromethane	15 lbs.					
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

* For refridgerator repairs

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene	70 Gals	4	none	none	85%	15%
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. $4,4^1$- DDT						
93. $4,4^1$- DDE (p,p^1-DDX)						
94. $4,4^1$- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

TONY:

4-12-88 (TUESDAY)

APPOINTMENT 7 30 am

WALK-THROUGH INSP.

White Technology, Inc.

A Wholly Owned Subsidiary of Bowmar Instrument Corp.

JESSE E. LEHMAN III
DIRECTOR OF PURCHASING

TWX 910-951-4203
FAX 602-437-9120

4246 E. WOOD STREET
PHOENIX, ARIZONA 85040
(602) 437-1520

Tony Sangiorgi
Gary Snyder

3-31-88 2:50 pm

QERY SNYDER
SHARON
WILL CALL BACK

INDUSTRIAL WASTE QUESTIONNAIRE

RECEIVED

SEP 09 1983

CITY OF PHOENIX
SEWER DIVISION

GENERAL INFORMATION

Standard Industrial Classification Code (SIC)

Company Name Western Industrial Enterprises

Mailing Address P. O. Box 25029, Phoenix, AZ 85002

Address of Premises 501 South 7th Street, Phoenix, AZ 85034

Name and Title of Signing Official Ronald J. Hartnett, President

Contact Official

Name Ronald J. Hartnett

Title President

Address 501 South 7th Street
Phoenix, AZ 85034

Phone 252-1773

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

9/1/83 Ron Hartnett

DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

Principal Raw Materials Used: Detergents for making water based cleaners

Catalysts, Intermediates: Solvents and phosphates

CAUSTIC SODA

145-38D
New 4/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate).

Type of Discharge: Water Batch for cleaning tanks Continuous if batch, average number of batches/24 hours 2-3/110 gal. batches

Peak Flow Time

Is there a scheduled shutdown? no

When?

Is Production seasonal? no

If yes, explain indicating month(s) of peak production

Average number of employees per shift: _____ 1st; _____ 2nd; _____ 3rd

Shift start times: _____ 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st							
2nd							
3rd							

Describe any wastewater treatment equipment or processes in use:
None

Raw Water Sources:

Source	Quantity	
City water	300-800	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use:

List Water Consumption in Plant Processes

Cooling Water	_____	gallons per day
Boiler Feed	_____	gallons per day
Process Water	_____	gallons per day
Sanitary System	40-80	gallons per day
Contained in Product	300-400	gallons per day
Other	_____	gallons per day
TOTAL	340-480	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	150-300	gallons per day
Natural outlet	_____	gallons per day
Waste hauler	_____	gallons per day
Evaporation	_____	gallons per day
Contained in Product	_____	gallons per day
TOTAL	150-300	gallons per day

Is discharge to sewer: yes Intermittent yes Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

X Yes _____ No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane	X	1 Gal	100			
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3'-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride	X	.5 Gals	100			
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol	X	.5 Gal	100		NO LONGER USED!	
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene	X	.5 Gal	100		NO LONGE USED!	
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. 4,4^1- DDT						
93. 4,4^1- DDE (p,p^1-DDX)						
94. 4,4^1- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

2-31-88 2:55 PM
LEFT MESSAGE FOR MR.
HARTNETT TO CALL IN
THE MORNING. OR WILL
CALL HIM 7-8 AM

TUES. 9 ~~30~~ AM
4-5-88

HART CHEM, INC.
DIVISIONS
WESTERN Janitor Supply
WESTERN Industrial Chemical Mfg.

FORMULATING SPECIALTY CHEMICALS FOR INDUSTRY

(602) 252-1773
RUDY PATY
Vice President

General Offices:
P.O. Box [illegible]
Phoenix, AZ USA [illegible]
801 South 7th Street
Phoenix, AZ USA [illegible]

EECO Incorporated | Maxi-SWITCH

6 00 7 30 NEED TO MAKE APPOINTMENT

March 10, 1987

City of Phoenix
Waste Water Operations
2301 West Durango
Phoenix, AZ 85009

ATTN: Mr. Gene Bennet

Dear Gene:

Thank you for your patience in waiting for this report. I want to say that it was totally my responsibility for it being this late and not my company's. This as I could never schedule a convenient time to complete it accurately until now.

Please call me again if you should have any questions and thanks again for the extra time in which to complete this for your department.

Sincerely,

EECO/Maxi-SWITCH

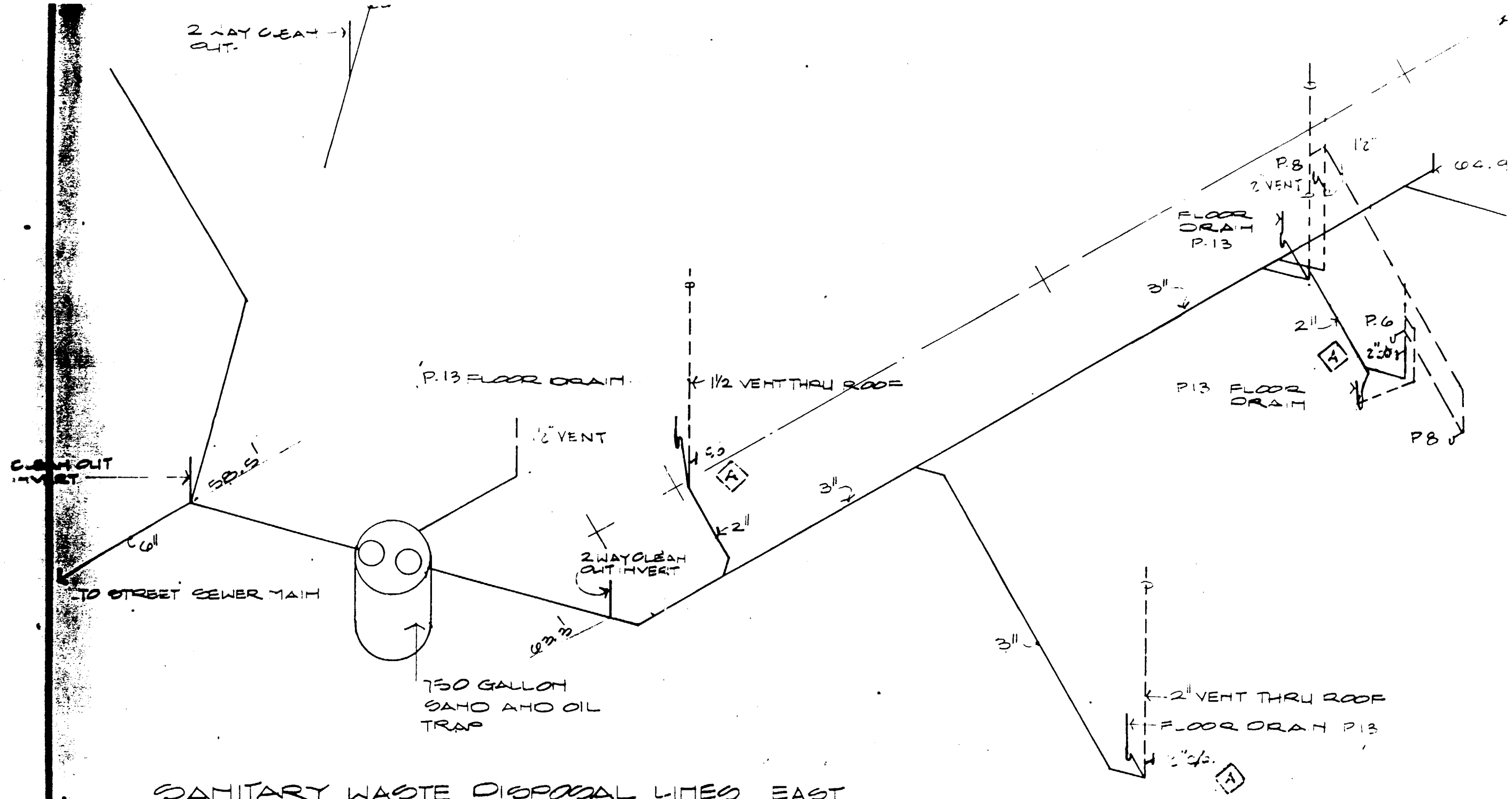
Timothy J. Mack
Project Development Engineer

TJM:lmv

cc: J. Elkins
T. Redolphy
R & D File

RECEIVED
MAR 12 1987
CITY OF PHOENIX
SEWER DIVISION

5436 West Latham Street, Phoenix, Arizona 85043-1736
Phone: (602) 272-5645, TWX: 910-950-0196, Facsimile (602) 278-2417



SANITARY WASTE DISPOSAL LINES EAST

SCALE: 1/8" = 1'-0"

PRINTING AREA

BOB STARKOVICH - ARCHITECT

1528 E. MISSOURI PHONE 264-3505 PHOENIX, ARIZONA

EECO
5436

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC) FEDERAL # 36796-1
FOR ELECTRICAL APPLICATION
VENICULAR CODE # 36433

Company Name EECO INC

Mailing Address 5436 W. LATHAM ST. PHOENIX ARIZONA 85043

Address of Premises SAME

Name and Title of Signing Official PROJECT DEVELOPMENT ENGINEER

Contact Official

Name TIMOTHY J. MACK

Title PROJECT DEVELOPMENT ENGINEER

Address SAME AS ABOVE

Phone 602-272-5645 EXT: 84

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

3-9-87 _____
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

Principal Raw Materials Used:

MEMBRANE SWITCH PRODUCTS.

Catalysts, Intermediates:

145-38D
New 4/83

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). SWITCHES, FOR MECHANICAL, FOR ELECTRICAL APPLICATION

FEDERAL 36796-1 JENICULAR 36435

Type of Discharge: ——— Batch ——— Continuous if batch, average number of batches/24 hours ———

Peak Flow Time

Is there a scheduled shutdown? SUNDAYS

When? SAME

Is Production seasonal? NO

If yes, explain indicating month(s) of peak production N/A

Average number of employees per shift: 134 1st; 40 2nd; 26 3rd

Shift start times: 6:00 AM 1st; 2:30 PM 2nd; 11:00 PM 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st	—	6:00 to 2:30	6:00 to 2:30	6:00 2:30	6:00 2:30	6:00 2:30	6:00 to NOON
2nd	—	2:30 to 11:00	2:30 to 11:00	2:30 to 11:00	2:30 to 11:00	2:30 to 11:00	NOON to 6:00 PM
3rd	—	11:00 to 6:00	11:00 to 6:00	11:00 to 6:00	11:00 to 6:00	11:00 to 6:00	—

Describe any wastewater treatment equipment or processes in use:

* WE EXPEL 100% H2O WHICH IS SENT THRU OUR EARTHEN SAND FILTER. THERE IS NO CONTAMINATION OF THIS WATER. IT IS USED ONLY TO COOL UV LAMPS.

Raw Water Sources:

Source	Quantity
	gallons per day
	gallons per day
	gallons per day

Describe any raw water treatment processes in use:

* AS ABOVE WE HAVE A EARTHEN SAND FILTER IN PLACE - SEE DRAWING

~~145-380~~ 130

New 4/83

List Water Consumption in Plant Processes

Cooling Water	5760	gallons per day APPROX 6 DAYS PER WEEK
Boiler Feed	—	gallons per day
Process Water	—	gallons per day
Sanitary System	—	gallons per day
Contained in Product	—	gallons per day
Other	—	gallons per day
TOTAL	5760	gallons per day APPROX 6 DAYS PER WEEK

List average volume of discharge or water loss to

City wastewater sewer	265	gallons per day
Natural outlet	—	gallons per day
Waste hauler	—	gallons per day
Evaporation	UNKNOWN	gallons per day
Contained in Product	0	gallons per day
TOTAL	265	gallons per day

Is discharge to sewer: YES Intermittent _____ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes X No

Are any of the toxic pollutants listed in Table I being used at this facility? [redacted]
If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene	NONE					
2. Acrolein	NONE					
3. Acrylonitrile	NONE					
4. Benzene	NONE					
5. Benzidine	NONE					
6. Carbon Tetrachloride	NONE					
(Tetrachloromethane)	NONE					
7. Chlorobenezene	NONE					
8. 1,2,4-trichlorobenzene	NONE					
9. Hexachlorobenzene	NONE					
10. 1,2-dichloroethane	NONE					
11. 1,1,1-trichloroethane	NONE					
12. Hexachloroethane	NONE					
13. 1,1-dichloroethane	NONE					
14. 1,1,2-trichloroethane	NONE					
15. 1,1,2,2-tetrachloroe-	NONE					
thane						
16. Chloroethane	NONE					
17. Bis(chloromethyl) ether	NONE					
18. Bis(2-chloroethly) ether	NONE					
19. 2-chloroethyl vinyl	NONE					
ether (mixed)	NONE					
20. 2-chloronaphthalene	NONE					
21. 2,4,6-trichlorophenol	NONE					
22. Parachlorometa cresol	NONE					
23. Chloroform (trichloro-	NONE					
methane)						
24. 2-chlorophenol	NONE					
25. 1,2-dichlorobenzene	NONE					
26. 1,3-dichlorobenzene	NONE					
27. 1,4-dichlorobenzene	NONE					
28. 3,3'-dichlorobenzidine	NONE					
29. 1,1-dichloroethylene	NONE					

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-	NONE					
ethylene						
31. 2,4-dichlorophenol	NONE					
32. 1,2-dichloropropane	NONE					
33. 1,3-dichloropropylene	NONE					
(1,3-dichloropropene)						
34. 2,4-dimethylphenol	NONE					
35. 2,4-dinitrotoluene	NONE					
36. 2,6-dinitrotoluene	NONE					
37. 1,2-diphenylhydrazine	NONE					
38. Ethylbenzene	NONE					
39. Fluoranthene	NONE					
40. 4-chlorophenyl phenyl	NONE					
ether						
41. 4-bromophenyl phenyl	NONE					
ether						
42. Bis(2-chloroisopropyl)	NONE					
ether						
43. Bis(2-chloroethoxy)	NONE					
methane						
44. Methylene chloride	NONE					
(dichloromethane)						
45. Methyl chloride (chlor-	NONE					
omethane)						
46. Methyl bromide (bromo-	NONE					
methane)						
47. Bromoform (tribromo-	NONE					
methane)						
48. Dichlorobromomethane	NONE					
49. Trichlorofluoromethane	NONE					
50. Dichlorodifluoromethane	NONE					
51. Chlorodibromomethane	NONE					
52. Hexachlorobutadiene	NONE					

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-	NONE					
tadiene						
54. Isophorone	YES	1 pint	5			95%
55. Naphthalene	NONE					
56. Nitrobenzene	NONE					
57. 2-nitrophenol	NONE					
58. 4-nitrophenol	NONE					
59. 2,4-dinitrophenol	NONE					
60. 4,6-dinitro-o-cresol	NONE					
61. N-nitrosodimethylamine	NONE					
62. N-nitrosodiphenylamine	NONE					
63. N-nitrosodi-ni-propy-	NONE					
lamine						
64. Pentachlorophenol	NONE					
65. Phenol	NONE					
66. Bis(2-ethylhexyl)	NONE					
phthalate						
67. Butyl benzyl phtha-	NONE					
late						
68. Di-n-butyl phthalate	NONE					
69. Di-n-octyl phthalate	NONE					
70. Diethyl phthalate	NONE					
71. Dimethyl phthalate	NONE					
72. Benzo(a)anthracene	NONE					
(1,2-benzanthracene)						
73. Benzo (a) pyrene	NONE					
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene	NONE					
75. Benzo(k)fluoranthane	NONE					
(11,12-benzofluoran-						
thene)						
76. Chrysene	NONE					
77. Acenaphthylene	NONE					

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES) % IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene	NONE					
79. Benzo(ghi)perylene	NONE					
(1,12-benzoperylene)						
80. Fluroene	NONE					
82. Phenathrene	NONE					
82. Dibenzo (a,h)anthracene	NONE					
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene	NONE					
(2-3-o-phenylenepyrene)						
84. Pyrene	NONE					
85. Tetrachloroethylene	NONE					
86. Toluene	YES	19	ALLOW	ON	PREMISES -	NOT USED ~~[illegible]~~
87. Trichloroethylene	NONE					
88. Vinyl chloride (chloro-	NONE					
ethylene)						
89. Aldrin	NONE					
90. Dieldrin	NONE					
91. Chlordane (technical	NONE					
mixture & metabolites)						
92. 4,4¹- DDT	NONE					
93. 4,4¹- DDE (p,p¹-DDX)	NONE					
94. 4,4¹- DDD (p,p¹-TDE)	NONE					
95. A-endosulfan-Alpha	NONE					
96. B-endosulfan-Beta	NONE					
97. Endosulfan sulfate	NONE					
98. Endrin	NONE					
99. Endrin aldehyde	NONE					
100. Heptachlor	NONE					
101. Heptachlor epoxide	NONE					
102. A-BHC-Alpha	NONE					
103. B-BHC-Beta	NONE					
104. R-BHC (lindane)-Gamma	NONE					

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta	NONE					
106. PCB-1242 (Arochlor-1242)	NONE					
107. PCB-1254 (Arochlor 1254)	NONE					
108. PCB-1221 (Arochlor 1221)	NONE					
109. PCB-1232 (Arochlor 1232)	NONE					
110. PCB-1248 (Arochlor 1248)	NONE					
111. PCB-1260 (Arochlor 1260)	NONE					
112. PCB-1016 (Arochlor 1016)	NONE					
113. Toxaphene	NONE					
114. Antimony (Total)	NONE					
115. Arsenic (Total)	NONE					
116. Asbestos (Fibrous)	NONE					
117. Beryllium (Total)	NONE					
118. Cadmium (Total)	NONE					
119. Chromium (Total)	NONE					
120. Copper (Total)	NONE					
121. Cyanide (Total)	NONE					
122. Lead (Total)	NONE					
123. Mercury (Total)	NONE					
124. Nickel (Total)	NONE					
125. Selenium (Total)	NONE					
126. Silver (Total)	YES	3952 AVE.	90%		* SEE 10% BELOW	
127. Thallium (Total)	NONE					
128. Zinc (Total)	NONE					
129. 2,3,7,8-tetrachloro-dibenzo-p-dioxin (TCDD)	NONE					

* SILVER IS DEPOSITED AS TRACES ON OUR MEMBRANE SWITCHES. ALL SCRAP SILVER IS DISPOSED — TRACE: SEE BACK

145-21D
New 4/83

SILVER SCRAP MATERIAL SENT TO:

AVAILABLE METALS REFINING CO.
734 E. SOUTHERN PACIFIC DRIVE
PHOENIX, ARIZONA 85034

602-252-6146

THE EXTRACT PRECIOUS METAL FROM ALL SCRAP MATERIAL AND DISPOSE OF WASTE AND PAY EECO A SMALL PRESENTAGE OF PRECIOUS METAL EXTRACTED. WE HAVE BEEN DOING BUSINESS WITH THEM FOR OVER 2½ YEARS.

Salt River Project
WATER ◆ POWER

BOX 1980 PHOENIX, ARIZONA 85001

TELEPHONE 273-5900

RECEIVED

JUN 05 1984

CITY OF PHOENIX
SEWER DIVISION

May 30, 1984

Mr. John Watson
Industrial Waste Inspector
City of Phoenix
Water and Sewers Department
125 East Washington Street
Phoenix, AZ 85004

Dear Mr. Watson:

Attached is the questionnaire form we discussed during my visit with you on May 25, 1984. The questionnaire will provide you with information on the type and quantity of chemical and sanitary wastes we anticipate entering the City of Phoenix sewer from the Salt River Project facility at 27th Street and Washington.

We trust this is responsive to your request. If there are additional questions, please contact me at 236-2881.

Sincerely,

W. E. Davis

W. E. Davis
Environmental Services Department

WED/cew

Attachment

CITY OF PHOENIX, ARIZONA

INDUSTRIAL WASTE DISCHARGE QUESTIONNAIRE
AND
PERMIT APPLICATION
(Refer to Chapter 28 of the Phoenix City Code)

Note to signing official: Please complete all sections of this questionnaire and application, attaching additional sheets as necessary for completion of any section.

This report is for:

- ___ Application for an original permit
- X Annual survey
- ___ Application for a renewal permit
- ___ Compliance

Fee:

- X None required at this time. In the event a permit is later determined to be required, you will be advised and a $25.00 application fee will then be required.
- ___ A $_____ application fee must be remitted with this application and subsequent annual renewals. Make all checks payable to the City Treasurer.

I. COMPANY PROFILE

A. Applicant: Salt River Project Agriculture Improvement and Power District, Environmental Services Department

B. Service address: 2727 East Washington
Phoenix, AZ

C. Billing address: P.O. Box 1980
Phoenix, AZ 85001

D. Phone: 236-2881

E. Assessor's parcel number(s): 121-61-007B Assessor's Tax Number

F. Describe location of all connections to city sewer mains: One four (4) inch line leading from office and photo processing facilities to trunk line in 27th Street

G. Product(s) manufactured on premises: Photo processing facilities and general office buildings

H. Standard Industrial Classification (S.I.C.) codes: Manufacturing code for the photographic industry is No. 3861

II. WATER FLOW

A. Water source (check where appropriate):

Public	X	Metered	X
Private well		Unmetered	

B. Water account numbers:

1) 0-1033-0243-02
2)
3)
4)
5)
6)

C. Daily water usage:
(all sources)

Maximum		gal.	Time of day	
Minimum		gal.	Time of day	
Average	2000 (Anticipated) (Usage)	gal.		

III. OPERATIONS

A. Brief description of manufacturing or service activity on premises: General office building and photo processing facilities

B. Principal raw materials used: (See Attached List)

C. Catalysts, intermediates: (See Attached List)

	Day Shift (-)	2nd Shift (-)	3rd Shift (-)
D. Number of employees	96	-0-	-0-
Days per week	5	-0-	-0-

E. If seasonal, months: N/A

F. Pretreatment facilities:

	Currently Installed	Proposed
Volume of grease trap	-0- Gals.	-0- Gals.
Water volume of settling tank	-0- Gals.	-0- Gals.

Other pretreatment processes: (describe and submit plans) An acid neutralization vault with marble chips will receive photo process wastes before discharge to the sewer.

G. List the average volume of discharge or water loss to:

Landscape irrigation	1,000	Gallons per day
City sanitary sewer:		
Process waste	200	Gallons per day
Sanitary waste	800	Gallons per day
Natural outlet	-0-	Gallons per day
• Description		
• Location		
Waste hauler	-0-	Gallons per day
• Name		
Evaporation	-0-	Gallons per day
Contained in product	-0-	Gallons per day
Other (specify)	-0-	Gallons per day
Total	2,000	Gallons per day

H. Is industrial discharge to sewer: _____ Batch
__X__ Continuous

I. Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes * __X__ No

* Submit description: _____

J. Is there a Solvent Management Plan in effect at this plant?

_____ Yes ** __X__ No

** Submit description: _____

K. Except as listed in the next section (IV), list any chemical used, stored, or produced as a by-product which could be considered to be corrosive or hazardous: See attached list
We anticipate the pH of the discharge to be within the range of pH 5.5 to 9.5 as required by the City of Phoenix ordinance.

V. CERTIFICATION BY COMPANY OFFICIAL

A. Name, title and telephone number of person to contact concerning information provided in this questionnaire.

Name: William E. Davis Phone: 236-2881
Title: Senior Staff Scientist

B. Applicable Federal Categories

List all regulated or proposed to be regulated categories (applicable to this location) subject to Federal Categorical Standards; list by category title and/or Code of Federal Regulations (CFR) number:

n/a

C. All pretreatment standards and discharge limitations are being met consistently:

(new facility)
X Yes _____ No *

* If not in compliance, a schedule of compliance must be attached to this application.

D. I affirm that all information provided in this questionnaire is accurate to the best of my knowledge. (To be signed by plant manager or company representative, if responsible for overall operation.)

Signature: William E. Davis
Title: Senior Staff Scientist
Date: 6/1/84
Phone: 236-2881

FOR CITY USE ONLY

Disposition:

___ Permit not required
___ Regular permit
___ Compliance permit Date issued: _____

Comments: _____

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane						
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3'-dichlorobenzidine						
29. 1,1-dichloroethylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. 4,4^1- DDT						
93. 4,4^1- DDE (p,p^1-DDX)						
94. 4,4^1- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)	Sodium dichromate	.003g	-0-	100	-0-	-0-
120. Copper (Total)						
121. Cyanide (Total)	Potassium ferricyanide	1/8 oz. /year	-0-	100	-0-	-0-
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

Standard Industrial Classification Code (SIC) 3670

Company Name WESTERN DYNEX CORPORATION

Mailing Address 3536 W. Osborn Road, Phoenix, AZ 85019

Address of Premises Same as above.

Name and Title of Signing Official Eugene A. Luciano, Manufacturing Manager

Contact Official

Name Eugene A. Luciano

Title Manufacturing Manager

Address 3536 W. Osborn Road, Phoenix, AZ 85019

Phone 602-269-6401

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

6/28/83 Eugene A. Luciano
DATE SIGNATURE OF OFFICIAL

PLANT OPERATIONAL CHARACTERISTICS

Brief description of manufacturing or service activity on premises:

Principal Raw Materials Used: Electronic Components, Metal, Plastic and Accessories.

Catalysts, Intermediates:

Principal Product or Service (use Standard Industrial Classification Manual if appropriate). Disk Drive and accessories.

Type of Discharge: None Batch _____ Continuous if batch, average number of batches/24 hours _____

Peak Flow Time

Is there a scheduled shutdown? No

When? N/A

Is Production seasonal? No

If yes, explain indicating month(s) of peak production
N/A

Average number of employees per shift: 35 1st; N/A 2nd; N/A 3rd

Shift start times: 7:00 am 1st; _____ 2nd; _____ 3rd

Shifts normally worked each day:

	Sun	Mon	Tue	Wed	Thur	Fri	Sat
1st		X	X	X	X	X	
2nd							
3rd							

Describe any wastewater treatment equipment or processes in use:

None

Raw Water Sources:

Source	Quantity	
City	150	gallons per day
		gallons per day
		gallons per day

Describe any raw water treatment processes in use:

List Water Consumption in Plant Processes

Cooling Water	None	gallons per day
Boiler Feed	None	gallons per day
Process Water	6	gallons per day
Sanitary System	114	gallons per day
Contained in Product	None	gallons per day
Other		gallons per day
TOTAL	120	gallons per day

List average volume of discharge or water loss to

City wastewater sewer	120	gallons per day
Natural outlet	None	gallons per day
Waste hauler	None	gallons per day
Evaporation	None	gallons per day
Contained in Product	None	gallons per day
TOTAL	120	gallons per day

Is discharge to sewer: X Intermittent _____ Steady

Is there a Spill Prevention Control and Countermeasure Plan in effect for this plant?

_____ Yes X No

Are any of the toxic pollutants listed in Table I being used at this facility in manufacturing of the product or is a by-product which may be discharged? If so, please indicate by a checkmark in column I.

CITY OF PHOENIX
INDUSTRIAL WASTE CONTROL
LIST OF 129 TOXIC POLLUTANTS

CHEMICALS	CHEMICALS ON SITE	AMOUNT USED /DAY	FINAL DISPOSTION (ESTIMATES)			
			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
1. Acenaphthene						
2. Acrolein						
3. Acrylonitrile						
4. Benzene						
5. Benzidine						
6. Carbon Tetrachloride						
(Tetrachloromethane)						
7. Chlorobenezene						
8. 1,2,4-trichlorobenzene						
9. Hexachlorobenzene						
10. 1,2-dichloroethane						
11. 1,1,1-trichloroethane						
12. Hexachloroethane						
13. 1,1-dichloroethane						
14. 1,1,2-trichloroethane						
15. 1,1,2,2-tetrachloroe-						
thane						
16. Chloroethane	90 gal.	.25 gal	-0-	-0-	67%	33%
17. Bis(chloromethyl) ether						
18. Bis(2-chloroethly) ether						
19. 2-chloroethyl vinyl						
ether (mixed)						
20. 2-chloronaphthalene						
21. 2,4,6-trichlorophenol						
22. Parachlorometa cresol						
23. Chloroform (trichloro-						
methane)						
24. 2-chlorophenol						
25. 1,2-dichlorobenzene						
26. 1,3-dichlorobenzene						
27. 1,4-dichlorobenzene						
28. 3,3[1]-dichlorobenzidine						
29. 1,1-dichloroethylene						

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			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
30. 1,2-trans-dichloro-						
ethylene						
31. 2,4-dichlorophenol						
32. 1,2-dichloropropane						
33. 1,3-dichloropropylene						
(1,3-dichloropropene)						
34. 2,4-dimethylphenol						
35. 2,4-dinitrotoluene						
36. 2,6-dinitrotoluene						
37. 1,2-diphenylhydrazine						
38. Ethylbenzene						
39. Fluoranthene						
40. 4-chlorophenyl phenyl						
ether						
41. 4-bromophenyl phenyl						
ether						
42. Bis(2-chloroisopropyl)						
ether						
43. Bis(2-chloroethoxy)						
methane						
44. Methylene chloride						
(dichloromethane)						
45. Methyl chloride (chlor-						
omethane)						
46. Methyl bromide (bromo-						
methane)						
47. Bromoform (tribromo-						
methane)						
48. Dichlorobromomethane						
49. Trichlorofluoromethane						
50. Dichlorodifluoromethane						
51. Chlorodibromomethane						
52. Hexachlorobutadiene						

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			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
53. Hexachlorocyclopen-						
tadiene						
54. Isophorone						
55. Naphthalene						
56. Nitrobenzene						
57. 2-nitrophenol						
58. 4-nitrophenol						
59. 2,4-dinitrophenol						
60. 4,6-dinitro-o-cresol						
61. N-nitrosodimethylamine						
62. N-nitrosodiphenylamine						
63. N-nitrosodi-ni-propy-						
lamine						
64. Pentachlorophenol						
65. Phenol						
66. Bis(2-ethylhexyl)						
phthalate						
67. Butyl benzyl phtha-						
late						
68. Di-n-butyl phthalate						
69. Di-n-octyl phthalate						
70. Diethyl phthalate						
71. Dimethyl phthalate						
72. Benzo(a)anthracene						
(1,2-benzanthracene)						
73. Benzo (a) pyrene						
(3,4-benzopyrene)						
74. 3,4-benzofluoranthene						
75. Benzo(k)fluoranthane						
(11,12-benzofluoran-						
thene)						
76. Chrysene						
77. Acenaphthylene						

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			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
78. Anthracene						
79. Benzo(ghi)perylene						
(1,12-benzoperylene)						
80. Fluroene						
82. Phenathrene						
82. Dibenzo (a,h)anthracene						
(1,2,5,6-dibenzanthra-						
cene)						
83. Indeno (1,2,3-cd)pyrene						
(2-3-o-phenylenepyrene)						
84. Pyrene						
85. Tetrachloroethylene						
86. Toluene						
87. Trichloroethylene						
88. Vinyl chloride (chloro-						
ethylene)						
89. Aldrin						
90. Dieldrin						
91. Chlordane (technical						
mixture & metabolites)						
92. $4,4^1$- DDT						
93. $4,4^1$- DDE (p,p^1-DDX)						
94. $4,4^1$- DDD (p,p^1-TDE)						
95. A-endosulfan-Alpha						
96. B-endosulfan-Beta						
97. Endosulfan sulfate						
98. Endrin						
99. Endrin aldehyde						
100. Heptachlor						
101. Heptachlor epoxide						
102. A-BHC-Alpha						
103. B-BHC-Beta						
104. R-BHC (lindane)-Gamma						

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			% IN PRODUCT	% TO SEWER	% TO WASTE HAULER	% TO EVAPORATION
105. G-BHC-Delta						
106. PCB-1242 (Arochlor-						
1242)						
107. PCB-1254 (Arochlor						
1254)						
108. PCB-1221 (Arochlor						
1221)						
109. PCB-1232 (Arochlor						
1232)						
110. PCB-1248 (Arochlor						
1248)						
111. PCB-1260 (Arochlor						
1260)						
112. PCB-1016 (Arochlor						
1016)						
113. Toxaphene						
114. Antimony (Total)						
115. Arsenic (Total)						
116. Asbestos (Fibrous)						
117. Beryllium (Total)						
118. Cadmium (Total)						
119. Chromium (Total)						
120. Copper (Total)						
121. Cyanide (Total)						
122. Lead (Total)						
123. Mercury (Total)						
124. Nickel (Total)						
125. Selenium (Total)						
126. Silver (Total)						
127. Thallium (Total)						
128. Zinc (Total)						
129. 2,3,7,8-tetrachloro-						
dibenzo-p-dioxin (TCDD)						

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JUN 30 1983
CITY OF PHOENIX
SEWER DIVISION