

# Industrial Wastewater Permit Application

City of Phoenix

Water Services Department
Environmental Services Division
2474 South 22nd Avenue, Building 31
Phoenix, Arizona 85009-6918
Phone № 602-262-1859
Fax № 602-534-7151

Website www.phoenix.gov/ESD



WATER SERVICES DEPARTMENT Environmental Services DIVISION

### **INDUSTRIAL WASTEWATER PERMIT APPLICATION**

of da an res sh DU co ma pr ot! Cit En 24	Federal Regulations Part 40 at a provided in this permit applied frequency of discharge shapetriction. Requests for conficient be governed by procedure JE DATE For new permitted and signed applied aterials must be received by	s Department on	FOR CITY USE ONLY  Permit Not Required Class A SIU Permit Class B Permit: High Strength Groundwater Remediation Pollution Prevention/BMP Other Interim Permit This application is for: New Permit Permit Renewal
SE	ECTION A. GENERAL	INFORMATION	
	se type or print:	N.	
1.		V	
	Legal Business Name:		
	Mailing Address:		
	Business Owner:		
	Mailing Address:		
	Facility Name:		
	Facility Address:		
	Facility Contact/Title:		
	Contact Telephone №:	Contact E-mail:	
	Name of Signing Official:		
	Title of Signing Official		
2.	PROPERTY INFORMATIO	DN	
	Property Address:	·	_·
	Property Owner:		
	Mailing Address: Property Owner Telephone №:		

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## SECTION B. PRODUCT OR SERVICE INFORMATION

1.	List raw materials us	ed:					
2.	Brief description of n production rates.	nanufacturing o	or service activi	ty conducted	d on premises.	List <i>all</i> proc	esses and
3.	Indicate applicable S (If more than one ap					ivities.	
a.	b.		c		d	e.	
<b>SE</b> 1.	SHIFT INFORMATION Shift Start Times:		ONAL CHAF			3 <sup>rd</sup>	
	Average number of	employees per	shift per day:				
	SUN	MON	TUE	WED	THUR	FRI	SAT
	1 <sup>st</sup>				·		
	2 <sup>nd</sup>						
ls p	production seasonal o	r intermittent?	□YE	<b>S</b> [	□NO		
Do	operation(s) shut dov						NO
	January	February	g, 00,1100 u	March	2	April	
	May	June		July		August	
	September	October		November		December	

3.	Manufacturing processes which ge	enerate was	stewater or have	the potential	to generate wa	astewater:
	Process Description:	Is The Batch	Wastewater Dis Continuous	scharge? Both	% Batch	% Continuous
		. 🗆				
4.	Are any process changes or expar wastewater volumes or characteristic Consider production, manufacturing other change which would effect the TYES NO (If "No	stics? ig, water re	use or conservat or type of dischar	ion, wastewa		
5.	Describe these changes and their (Attach additional sheets if needed		he wastewater vo	olume and ch	naracteristics:	
6.	Are any water reclamation or cons planned?  YES NO (If "N	ervation sy: IO", skip ite		ecovery or re	ecycling systen	ns in use or
7.	Briefly describe conservation, recopercent recovered, recycled or corflow diagram for each process: (At	nserved; an	d the remaining of	concentration		
8.	Have any material substitutions, for planned?  YES NO (If "N	or the purpo		or reducing v	wastes, been i	mplemented, or
9.	Briefly describe the material substi in. Include the economic and envi waste handling modifications, etc.)	ronmental I	benefits (i.e., doll	ars saved, ar	mount of waste	e eliminated,
10.	Has a Pollution Prevention Plan be	een implem	ented? (If YES p	orovide a co	py with this A	Application)

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### SECTION D. INCOMING WATER USAGE ☐ YES 1. Is water used in manufacturing or for an industrial process? Water sources (check all appropriate) Public Supply Private Well Other: Metered $\Box$ Unmetered П 2. List all water account numbers: 1) \_\_\_\_\_\_ 3) \_\_\_\_\_ 4) \_\_\_\_\_\_ 5) \_\_\_\_\_ 6) \_\_\_\_ 3. Describe in detail any treatment processes used for incoming raw water and which manufacturing process this treated water is used for: 4. List the sources and mode of entry for any liquids used in the manufacturing process that are discharged to sewer and the average daily volume of the discharge. Mode of Entry Liquid Description Source Process Use Discharged 5. List water consumption in plant processes: (Daily average based on 12 months of City water bills. For a new facility, provide the best engineering estimate.) \_\_\_\_\_ gallons per day Non Contact Cooling Water \_\_\_\_\_ gallons per day Boiler Feed Manufacturing Process/ **Business Operations** \_\_\_\_\_ gallons per day Personnel Sanitary Use gallons per day \_\_\_\_\_ gallons per day Contained in product Landscaping/Other gallons per day \_\_\_\_\_ gallons per day TOTAL

6. **Provide a Water Balance Diagram (See Example on Page 17)** showing average per day volumes for ALL (1) Sources of incoming water, (2) Water purification or treatment processes, (3) Processes for which water is used or becomes product, (4) Water evaporation or losses, (5) Wastewater generated from each process, (6) Wastewater wastestreams sent to pretreatment, (7) Wastewater wastestreams evaporated, (8) Wastewater wastestreams shipped offsite for treatment and disposal.

Water Balance Diagram attached as required

## SECTION E. OUTGOING WASTEWATER DISCHARGE

1.	List average volume of water discharged to:	(For a	new facility pro	vide the best	engineering estimate.)
	City sanitary sewer			gallons p	er day
	City storm sewer			gallons p	er day
	Natural outlet (see glossary)			gallons p	er day
	Waste hauler			gallons p	per day
	TOTAL			gallons p	per day
ls	the discharge to sewer:		□Steady?		
2.	List average volume of water lost (not disch	arged) to	o:		
	Food Preparation			gallons p	er day
	Evaporation			gallons p	er day
	Contained in product			gallons p	per day
	Irrigation _			gallons p	per day
	Other _			gallons p	per day
	TOTAL			gallons p	er day
3.	Where does this tap connect to the City sew  List the flows from individual manufacturing.				
	Process Description Avg Flow (gallons	s/day)	Max Flow (ga	allons/day)	Type of Discharge Batch, Continuous, None
	Provide on a separate sheet(s) a schema (1) All wastewater flows and types. (2) Local including interceptors, traps (grease, sand/of systems; or any other wastewater treatment the sanitary sewer. (5) Location of all floor of berms and other spill control devices. (8) drawings if available.  Schematic attached as required	ation of a bil, grit, o device drains. (	all wastewater or other); ion ex in use. (3) Sa (6) Location of	treatment sys schange, filtra mpling location chemical sto	stem(s) and devices ation, neutralization ons. (4) Connection(s) to rage area(s). (7) Location

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5.	Are any of the following	lowing loca	ated on the prope	erty?				
	Storm sewers	☐YES ☐	NO	Dry well	S	☐YE	s □no	
	Private wells	□YES □	□NO	Abando	ned water wells	☐YE	s □no	
		e building(s	s) and the proces		schematic indica nducted on the pr			each in
6.	Does the manufa batches, producti				generate any unus customers, etc.)?		id product(s) (i.	e., bad
	If YES, describe		roduct, average v	olume pe	er day and the dis	posal n	nethod.	
SE	CTION F. WA	STEWA	TER TREATM	IENT				
1.	For all waste stre pretreatment.	ams which	n are treated befo	ore discha	arge, describe the	wastes	stream and the	types of
					·			
2.	Does the facility h	٠.	of the following pro		nt devices: ☐ Ion Exchange		Ultra filtration	on.
	Orease interce	sptoi [	Silver recovery	у	ion Exchange			711
	☐Sand/oil interc	eptor [	Acid neutraliza	ation	Reverse Osm	osis		
	☐ Solids interce	ptor [	Evaporator		Other (list)			
3.		tems or eq		e the sew	anufacturer's flow er tap used by the		· . · · .	
	Schematic	attacho	ed as required	d				
4.	If any form of new years, describe th					r this fa	acility within the	next five (5)
	Expected operation	onal date:						
5.	Is there a Slug Co	ontrol (SC	P) in effect for this	s facility?	YES N	0	(If YES, please	attach)
6.	Is there a Toxic C	Organics M	lanagement Plan	in effect	at this facility?			
	□YES [	□NO	(If YES, please	attach)				

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#### **SECTION G. DISCHARGE CHARACTERISTICS**

1. Indicate the priority pollutants listed below being used, stored, and/or discharged from this facility. Provide the information below and note whether the discharge is to the sanitary sewer, waste hauler, or other. **DO NOT LEAVE SECTION G BLANK OR USE N/A; A NUMERICAL VALUE IS REQUIRED.** 

ļ	PRIORITY POLLUTANTS	AMOUNT OF CHEMICALS ONSITE LBS/GALS	TOTAL AMOUNT DISCHARGED LB/GALS/DAY	AMOUNT TO SANITARY SEWER	AMOUNT TO WASTE HAULER	AMOUNT TO OTHER (DESCRIBE)
1.	Acenaphthene					
2.	Acrolein					
3.	Acrylonitrile					
4.	Benzene					
5.	Benzidine					
6.	Carbon Tetrachloride (Tetrachloromethane)					
7.	Cholorbenezene					
8.	1,2,4-trichlorobenzene					
9.	Hexacholorobenzene					
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-tetrachloroethane					
16.	Bis(2-chloroethyl) ether					
17.	2-chloroethyl vinyl ether					-
18.	(mixed) 2-chloronaphtalene					
19.	2,4,6-trichlorophenol					
20.	Parachlorometa cresol					
21.	Chloroform (Trichloromethane)					
22.	2-chlorophenol					
23.	1,2-dichlorobenzene					
24.	1,3-dichlorobenzene					
25.	1,4-dichlorobenzene					
26.	3,3-dichlorobenzidine					

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	PRIORITY POLLUTANTS	AMOUNT OF CHEMICALS ONSITE LBS/GALS	TOTAL AMOUNT DISCHARGED LB/GALS/DAY	AMOUNT TO SANITARY SEWER	AMOUNT TO WASTE HAULER	AMOUNT TO OTHER (DESCRIBE)
27.	1,1-dichloroethylene				-	
28.	1,2-trans-dichloro-ethylene					
29.	2,4-dichlorophenol		,			
30.	1,2-dichloropropene (1,3-dichloropropene)					
31.	2,4-dimethylphenol					
32.	2,4-dinitrotoluene					
33.	2,6-dinitrotoluene					
34.	1,2-diphenylhydrazine					
35.	Ethylbenzene					
36.	Fluoranthene					
37.	4-chlorophenyl phenyl ether					
38.	4-bromophenyl phenyl ether					
39.	Bis (2-chloroisopropyl) ether					
40.	Bis (2-chloroethoxy) methane					
41.	Methylene chloride (dichloromethane)					
42.	Methyl chloride (dichloromethane)					
43.	Methyl bromide					
44.	(bromomethane)  Bromoform (Tribromomethane)					
45.	Dichlorobromomethane					
46.	Chlorodibromomethane					
47.	Hexachlorobutadiene					
48.	Hexachlorocyclopentadiene					
49.	Isophorone					
50.	Naphthalene					
51.	Nitrobenzene					
52.	2-nitrophenol					
53.	4-nitrophenol					
54.	2,4-dinitrophenol					
55.	4,6-dinitro-o-cresol					
56.	N-nitrosodimethylamine					

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	PRIORITY POLLUTANTS	AMOUNT OF CHEMICALS ONSITE LBS/GALS	TOTAL AMOUNT DISCHARGED LB/GALS/DAY	AMOUNT TO SANITARY SEWER	AMOUNT TO WASTE HAULER	AMOUNT TO OTHER (DESCRIBE)
57.	N-nitrosodiphenylamine					
58.	Pentachlorophenol					
59.	Phenol					
60.	Bis (2-ethylhexyl) phthalate					
61.	Butyl benzyl phthalate					
62.	Di-N-butyl Phthalate					
63.	Di-N-octyl Phthalate					
64.	Diethyl Phthalate					
65.	Dimethyl Phthalate					
66.	1,2-benzanthracene					
67.	(Benzo(a)anthracene) Benzo(a)pyrene (3,4-benzo-pyrene)					
68.	3,4-benzofluoranthene					
69.	(benzo(b)fluoranthene) 2-benzofluoranthene				3.	
70.	(benzo(k)fluoranthene) Chrysene					
71.	Acenaphthylene			*		
72.	Anthracene					
73.	1,12-benzoperylene (benzo(ghi)perylene)					
74.	Fluorene					
75.	Phenanthrene					
76.	1,2,5,6-dibenzanthracene					
77.	(dibenz(a,h)anthracene) Ideno(1,2,3-cdpyrene(2-3-o-					
78.	phenylene pyrene) Pyrene					
79.	Tetrachloroethylene					
80.	Toluene					
81.	Trichloroethylene					
82.	Vinyl Chloride (chloroethylene)					
83.	Aldrin		T			
84.	Dieldrin					
85.	Chlordane (technical mixture & metabolites)					

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	PRIORITY POLLUTANTS	AMOUNT OF CHEMICALS ONSITE LBS/GALS	TOTAL AMOUNT DISCHARGED LB/GALS/DAY	AMOUNT TO SANITARY SEWER	AMOUNT TO WASTE HAULER	AMOUNT TO OTHER (DESCRIBE)
86.	4,4-DDT					
87.	4,4-DDE (p,p-DDX)	<u>.                                    </u>				
88.	4,4-DDD(p,p-TDE)					
89.	Alpha-endosulfan					
90.	Beta-endosulfan					
91.	Endosulfan sulfate					
92.	Endrin					
93.	Endrin Aldehyde					
94.	Heptachlor					
95.	Heptachlor epoxide (BHC-hexachlorocyclohexane)					
96.	Alpha -BHC					
97.	Beta-BHC					
98.	Gamma-BHC (Lindane)					
99.	Delta-BHC (Delta- Hexachlorocyclohexane)					
100	. PCB-1242 (Arochlor 1242)					
101	. PCB-1254 (Arochlor 1254)					
102	. PCB-1221 (Arochlor 1221)	,				
103	. PCB-1232 (Arochlor 1232)					
104	. PCB-1248 (Arochlor 1248)					
105	. PCB-1260 (Arochlor 1260)					
106	PCB-1016 (Arochlor 1016)					
107	Toxaphene					
108	. Antimony (Total)					
109	. Arsenic (Total) and Arsenic Compounds (list)					
110	. Asbestos (Fibrous)					
111	. Barium					
112	. Beryllium (Total) and Beryllium Compounds (list)					

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PRIORITY POLLUTANTS	AMOUNT OF CHEMICALS ONSITE LBS/GALS	TOTAL AMOUNT DISCHARGED LB/GALS/DAY	AMOUNT TO SANITARY SEWER	AMOUNT TO WASTE HAULER	AMOUNT TO OTHER (DESCRIBE)
113. Cadmium (Total) and Cadmium Compounds (list)			r		
114. Chromium (Total) and Chromium Compounds (list)					
115. Copper (Total) and Copper Compounds (list)					
116. Cyanide(Total) and Cyanide Compounds (list)					
117. Lead (Total) and Lead Compounds (list)					
			-		
118. Mercury (Total) and Mercury					
Compounds (list)					
119. Molybdenum (Total) and					
Molybdenum Compounds (list)					

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PRIORITY POLLUTANTS	AMOUNT OF CHEMICALS ONSITE LBS/GALS	TOTAL AMOUNT DISCHARGED LB/GALS/DAY	AMOUNT TO SANITARY SEWER	AMOUNT TO WASTE HAULER	AMOUNT TO OTHER (DESCRIBE)
120. Nickel (Total) and Nickel Compounds (list)					
121. Selenium (Total) and Selenium Compounds (list)					
122. Silver (Total) and Silver Compounds (list)					
123. Thallium (Total) and Thallium Compounds (list)					
124. Zinc (Total) and Zinc Compounds (list)					
				*	
405 2270 T-turnellan III					
125. 2,3,7,8-Tetrachloro-dibenzo-p-dioxin(TCDD)					
126. Sulfides					

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J NO → Skip the remaind		
Wastes	Estimated Quantity Per Year (indicate units)	Disposal Method (i.e., landfill, recycles sale, evaporation, incineration, etc.)
Waste solvent		
Oil/Grease		
Process baths		
Pretreatment sludge		
Inks/Dyes		
Thinner		
Paints		
Acids and Alkalis		
Left over or extra product		
Pesticides		
Other (specify):		
an outside firm removes an umbers of all waste haulers:		give the names(s), address(es), and p
		Permit №

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#### **SECTION H. ENVIRONMENTAL CONTROL PERMITS**

List all environmental control permits issued for this facility.

PERMIT TI	ΓLE	PERMIT NUMBER	ISSUING AGENCY	EXPIRATION DATE
SECTION	II. LOCAL	AND FEDERAL CATE	GORICAL LIMITS	
	acility meeting a the time?	applicable federal categorica	al pretreatment and local di	scharge standards
∐YE	S	□NO		
		ationale, such as a descript the analytical results of rece		ieve and maintain
B. If"	No", how does	the facility plan to meet the	requirements?	· · · · · · · · · · · · · · · · · · ·
	<del></del>			
☐YES	□NO	eration and maintenance (O		·
 2. Are nev	v or additional <sub>l</sub>	pretreatment facilities requir	red to achieve compliance?	
YE	3	□NO		
If "Yes	', describe the	facilities or equipment which	h will be installed:	
3. Is this a	n application fo	or a permit renewal?	ES NO If "Yes", a	nswer the following question
	se the concentr	as your business made any ation, volume, or other char If "Yes", describe		
		ii ies , describe		

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#### SECTION J. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Company Official:	
Title of Company Official:	
Signature of Company Official:	Signature Pursuant to 40 § 403.12(I) Signatory Requirements
Date:	<u>.</u>
Mailing Address, e-mail Addres	s, and Phone Number of Company Official:
	<del>.</del>

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#### **APPENDIX 1**

#### **SUMMARY OF CATEGORICAL PRETREATMENT STANDARDS**

EPA has established categorical pretreatment standards (for indirect dischargers) for 35 categories. Plans for EPA's expansion and modification of the list are detailed in the *Effluent Guidelines Plan*, published in the *Federal Register* biennially as required at CWA section 304(m). The list of the industrial categories that have categorical pretreatment standards—Pretreatment Standards for Existing Sources (PSES) and Pretreatment Standards for New Sources (PSNS)—as of March 2011 are provided below.

<b>N</b> º	CATEGORY	40 CFR PART	SUBPARTS	TYPE OF STANDARD	OVERVIEW OF PRETREATMENT STANDARD
1	Aluminum Forming	467	A–F	PSES PSNS	Limits are production-based daily maximums and monthly averages. Subpart C prohibits discharges from certain operations.
2	Battery Manufacturing	461	A–G	PSES PSNS	Limits are production-based daily maximums and monthly averages. No discharge is allowed from any process not specifically identified in the regulations.
3	Carbon Black Manufacturing	458	A–D	PSNS	Limits are for oil and grease only (no duration specified).
4	Centralized Waste Treatment	437	A–D	PSES PSNS	Limits are concentration-based daily maximums and monthly averages.
5	Coil Coating	465	A–D	PSES PSNS	Limits are production-based daily maximums and monthly averages.
6	Concentrated Animal Feeding Operations (CAFO)	412	В	PSNS	Discharge of process wastewater is prohibited, except when there is an overflow resulting from a chronic or catastrophic rainfall event.
7	Copper Forming	468	Α	PSES PSNS	Limits are production-based daily maximums and monthly averages.
8	Electrical and Electronic Components	469	A–D	PSES PSNS	Limits are concentration-based daily maximums and 30-day averages or monthly averages (varies per subpart and pollutant parameter). Certification is allowed in lieu of monitoring for certain pollutants when a management plan is approved and implemented.

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Nº	CATEGORY	40 CFR Part	SUBPARTS	TYPE OF STANDARD	OVERVIEW OF PRETREATMENT STANDARD
9	Electroplating	413	A,B,D–H	PSES	Limits are concentration-based (or alternative mass-based equivalents) daily maximums and four-consecutive-monitoring-days averages. Two sets of limits exist, depending on whether facility is discharging more or less than 10,000 gpd of process wastewater. Certification is allowed in lieu of monitoring for certain pollutants when a management plan is approved and implemented.
10	Fertilizer Manufacturing	418	A–G	PSNS	Limits may specify zero discharge of wastewater pollutants (Subpart A), production-based daily maximums, and 30-day averages (Subparts B–E), or may be concentration-based (Subparts F–G), with no duration of limit specified.
11	Glass Manufacturing	426	H, K–M	PSNS	Limits are concentration- or production- based daily maximums and monthly averages.
12	Grain Mills	406	A	PSNS	Discharge of process wastewater is prohibited at a flow rate or mass loading rate (BOD5 and TSS) that is excessive during periods when a POTW is receiving peak loads.
13	Ink Formulating	447	Α	PSNS	Regulations specify no discharge of process wastewater pollutants to a POTW.
14	Inorganic Chemicals Manufacturing	415	A,B,F,L, AH,AJ,AL, AR,AU,BC BL,BM,BO B-F, H, K-N,P,Q, T,V,AA, AC,AE,AH AI,AJ,AL,	PSES	Limits vary for each subpart with a majority of the limits concentration-based, daily maximums, and 30-day averages, or they may specify no discharge of wastewater pollutants.
15	Iron and Steel	420	AN,AP,AQ AR,AU,AX BB,BC,BH BK–BO A–F, H–J,	PSES	Limits are production-based daily
	Manufacturing		L	PSNS	maximums and 30-day averages.
16	Leather Tanning and Finishing	425	A–I	PSES PSNS	Limits are concentration-based daily maximums and monthly averages. In certain instances, applicability of pretreatment standards is dictated by volume of production.

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Nº	CATEGORY	40 CFR PART	SUBPARTS	TYPE OF STANDARD	OVERVIEW OF PRETREATMENT STANDARD
17	Metal Finishing	433	A	PSES PSNS	Limits are concentration-based daily maximums and monthly averages. Certification is allowed for certain pollutants where a management plan is approved and implemented.
18	Metal Molding and Casting	464	A–D	PSES PSNS	Limits are primarily production-based daily maximums and monthly averages. Discharges from certain processes are prohibited (Subparts A–C).
19	Nonferrous Metals Forming and Metal Powders	471	A–J	PSES PSNS	Limits are production-based daily maximums and monthly averages. In some instances, the discharge of wastewater pollutants is prohibited.
20	Nonferrous Metals Manufacturing	421	C,F–M,P, Q,V,X,Y, AA–AC	PSES	Limits are production-based daily maximums and monthly averages. PSES (Subpart F) specify no discharge from existing facilities of process wastewater pollutants to the POTW except for some stormwater events.
			A–Z, AA–AE	PSNS	Limits are production-based daily maximums and monthly averages. PSNS (Subparts D and F) specify no discharge from existing facilities of process wastewater pollutants to the POTW.
21	Oil and Gas Extraction	435	D	PSES PSNS	Regulations specify no discharge of wastes (e.g., produced water, drill cuttings) to a POTW.
22	Organic Chemicals, Plastics, and Synthetic Fibers	414	В–Н, К	PSES PSNS	Limits are mass-based (concentration-based standards multiplied by process flow) daily maximums and monthly averages. Standards for metals and cyanide apply only to metal- or cyanide-bearing wastestreams.
23	Paint Formulating	446	А	PSNS	Regulations specify no discharge of process wastewater pollutants to the POTW.
24	Paving and Roofing Materials (Tars and Asphalt)	443	A–D	PSNS	Limits are for oil and grease only (no limit duration specified).
25	Pesticide Chemicals	455	A, C, E	PSES PSNS	Limits are mass-based (concentration-based standards multiplied by process flow) daily maximums and monthly averages. Subpart C specifies no discharge of process wastewater pollutants but provides for pollution-prevention alternatives. Subpart E specifies no discharge of process wastewater pollutants.

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Nº	CATEGORY	40 CFR	SUBPARTS	TYPE OF	OVERVIEW OF PRETREATMENT STANDARD
		PART		STANDARD	
26	Petroleum Refining	419	A–E	PSES PSNS	Limits are concentration-based (or mass-based equivalent) daily maximums.
27	Pharmaceutical Manufacturing	439	A–D	PSES PSNS	Limits are concentration-based daily maximums and monthly averages. Such facilities may certify that they do not use or generate cyanide in lieu of performing monitoring to demonstrate compliance.
28	Porcelain Enameling	466	A–D	PSES PSNS	Limits are concentration-based (or alternative production-based) daily maximums and monthly averages. Subpart B prohibits discharges from certain operations.
29	Pulp, Paper, and Paperboard	430	A–G, I–L	PSES PSNS	Limits are production-based daily maximums and monthly averages. Such facilities may certify that they do not use certain compounds in lieu of performing monitoring to demonstrate compliance. Facilities subject to Subparts B and E must also implement BMPs as identified.
30	Rubber Manufacturing	428	E–K	PSNS	Limits are concentration- or production- based daily maximums and monthly averages.
31	Soap and Detergent Manufacturing	417	O-R	PSNS	Regulations specify no discharge of process wastewater pollutants to a POTW when the wastewater chemical oxygen demand (COD)/BOD7 ratio exceeds 10.0 and the COD concentrations exceed subcategory specific concentrations.
32	Steam Electric Power Generating	423	_	PSES PSNS	Limits are concentration-based daily maximums, or <i>maximums for any time</i> , or compliance may be demonstrated through engineering calculations.
33	Timber Products Processing	429	F–H	PSES PSNS	All PSNS (and PSES for Subpart F) prohibit the discharge of wastewater pollutants. PSES for Subparts G and H are concentration-based daily maximums (with production-based alternatives).
34	Transportation Equipment Cleaning	442	A-C	PSES PSNS	Operators subject to effluent guidelines in subparts A–B must either meet concentration-based daily maximum standards or develop a Pollutant Management Plan. Operators subject to effluent guidelines in subpart C must meet concentration-based daily maximum standards.
35	Waste Combustors	444	А	PSES PSNS	Limits are concentration-based daily

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#### **APPENDIX 2**

#### GLOSSARY OF TERMS

Batch - The quantity produced as a result of an operation.

Categorical Standards - (National/Federal Categorical Pretreatment Standards) - Those standards promulgated by the U.S. Environmental Protection Agency (EPA) under the authority of Section 307(b) and (c) of the Clean Water Act (33 U.S.C. 1317) which apply to a specific category or industrial user and which are published in 40 CFR Chapter I, subchapter N (Parts 405-471).

Continuous - extended or prolonged production without interruption or cessation.

**Cooling water** - The clean wastewater discharged from any heat transfer system such as condensation, air conditioning, cooling or refrigeration.

*Industrial User* - Any POTW user generating or having the potential to generate commercial or industrial wastewater discharges to the POTW.

**Discharge** - The disposal of any sewage, pollutant(s), water, or any liquid from any sewer user into the sewerage system.

**Drywell** - Also referred to as a shallow drainage well, is any shallow hole dug or bored in the ground to allow surface storm water runoff, excess irrigation flow, or other drainage to percolate into the ground. It is typically constructed as a 10 to 20 feet deep boring of 2 to 4 feet diameter filled with cobbles and rocks and lined with a perforated corrugated metal pipe. They may be found in parking lots or other areas where drainage of storm water is required.

Natural outlet - Any outlet into a watercourse, ditch, or other body of surface or ground water.

**POTW** – Publicly Owned Treatment Works and connecting sewer collection system which are owned and/or operated, in whole or in part, by the City and which provide the City with wastewater collection and disposal services.

**Pretreatment** - The physical, chemical, biological or other treatment of any industrial discharge prior to discharge to the sewer, for the purpose of:

- (a) Reducing the amount or concentration of any pollutant; or
- (b) Eliminating the discharge or any pollutant; or
- (c) Altering the nature of any pollutant characteristic to a less harmful state.

**Process Wastewater** - Any water which, during manufacturing or processing, comes into direct contact with or results from the production of or use of any raw material, intermediate product, finished product, byproduct, or waste product.

**Regulated Wastestream** - An industrial process wastestream regulated by a national categorical pretreatment standard and/or the Phoenix City Code, Chapter 28.

Sanitary sewer - A sewer which carries sewage and to which storm, surface and groundwaters are not intentionally admitted.

Slug Control Plan - A plan prepared by an industrial user to minimize the likelihood of a spill or slug discharge and to expedite control and cleanup activities should a spill occur.

**Storm sewer or storm drain** - A sewer which carries storm and surface waters and drainage, but excludes sewage and polluted industrial wastes.

**Toxic Organic Management Plan** - Written plan submitted by industrial users in accordance with some categorical pretreatment standards as an alternative to TTO monitoring which specifies the toxic organic compounds used, the method of disposal used, and procedures for assuring that toxic organics do not routinely spill or leak into wastewater discharged to the POTW.

**Unregulated Wastestream** - A wastestream that is not regulated by a national categorical pretreatment standard and is not considered a dilute wastestream.

**Wastewater** - Any liquid or water-carried pollutant, including an industrial discharge, which is introduced into the sewer from any source.

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Example 1

