



**City of Surprise  
Water Resource Management  
Pretreatment Program  
16000 Civic Center Plaza  
Surprise, AZ 85374**

**Application for Industrial Wastewater Discharge Permit**

*Use of this form is for application for an Industrial Wastewater Discharge Permit for a New Source or Existing Source in accordance with 40 CFR 403.10(e) which allows a State with an approved Pretreatment Program to assume the responsibility for implementing a POTW Pretreatment Program requirements where a municipality does not have an approved Pretreatment Program as set forth in 40CFR 403.8(f). Please attach a flow diagram indicating processes and wastewater flows in your facility.*

**1) SECTION A: Identifying Information**

- a) Facility Name: \_\_\_\_\_ SIC Code \_\_\_\_\_
- b) Facility Street Address: \_\_\_\_\_
- c) Facility Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_
- d) Contact Telephone Number: \_\_\_\_\_ Contact E-mail \_\_\_\_\_
- e) Name of Operator/Owner(s) \_\_\_\_\_

**2) SECTION B: Product or Service Information**

- a) List raw materials used and quantities used per day:
 

	Qty _____
	Qty _____
	Qty _____
	Qty _____
- b) Brief description of manufacturing process or service activity. List all processes and production rates:
   
\_\_\_\_\_
   
\_\_\_\_\_
   
\_\_\_\_\_
   
\_\_\_\_\_
- c) List Principal Products Produced:
   
\_\_\_\_\_, \_\_\_\_\_; \_\_\_\_\_
   
\_\_\_\_\_, \_\_\_\_\_; \_\_\_\_\_
- d) Average Rate of Total Production::
   
Daily: \_\_\_\_\_ Weekly \_\_\_\_\_
   
Monthly: \_\_\_\_\_ Annual: \_\_\_\_\_

**3) SECTION C: Plant Operational Characteristics**

- a) Shift Information: How many shifts? \_\_\_\_\_. Start times: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- b) Is production seasonal or intermittent? **Yes** \_\_\_\_ or **No** \_\_\_\_ # of Employees/Shift \_\_\_\_\_

- c) Major manufacturing processes which generate wastewater or have the potential to generate wastewater

Process Description	Wastewater Discharge Type			%Batch	%Continuous
	Batch	Continuous	Both		
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

- d) Are any process changes or expansions planned during the next five (5) years that would alter wastewater volumes or characteristics? **Yes** \_\_\_\_ **No** \_\_\_\_ (if No, skip item 3e).

- e) Describe these changes and their effects on the wastewater volume and characteristics. Attach additional sheets if needed.)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- f) Are any water reclamation or conservation systems, material recovery or recycling systems in use or planned? **YES** \_\_\_\_ **NO** \_\_\_\_ (If "NO", skip item 3g)

- g) Briefly describe conservation, recovery or recycling process(es); substance recovered or recycled; percent recovered, recycled or conserved; and the remaining concentration in the spent solution. Submit flow diagram for each process: (Attach additional sheets if needed.)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- h) Have any material substitutions, for the purpose of eliminating or reducing wastes, been implemented, or planned? **YES** \_\_\_\_ **NO** \_\_\_\_ (If "NO", skip item 3i)

- i) Briefly describe the material substitution and the manufacturing process the substitution material is used in. Include the economic and environmental benefits (i.e., dollars saved, amount of waste eliminated, waste handling modifications, etc.) derived from this substitution. (Attach additional sheets if needed.)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**4) SECTION D: Plant Water Usage**

- a) Is water used in manufacturing? **YES** \_\_\_\_ **NO** \_\_\_\_  
 b) Water source (check where appropriate) **Public Supply** \_\_\_\_ **Private Well** \_\_\_\_  
 c) Briefly describe any treatment processes used for incoming raw water and which manufacturing process this treated water is used for:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- d) 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.

<u>Description</u>	<u>Source</u>	<u>Mode of Entry</u>	<u>Process Use</u>	<u>Volume Discharged</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

- e) 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

<b>Water Use</b>	<b>Volume Used (gallons per day)</b>
Cooling Water	
Boiler Feed	
Manufacturing Process Water	
Sanitary Domestic (bathrooms, cafeteria)	
Facility Washdown	
Contained in product	
<b>Total: (gallons per day)</b>	

5) **SECTION E: Wastewater Discharge**

- a) List average volume of water discharged to: (For a new facility provide the best engineering estimate.)

<b>Wastewater</b>	<b>Volume Used (gallons per day)</b>
City wastewater sewer	
City storm water	
Natural Outlet (outlet to ditch or water body or groundwater)	
Waste Hauler	
Evaporation	
Contained in product	
<b>Total: (gallons per day)</b>	

- i) Does your facility have a flow meter for your discharge measurement? YES \_\_\_\_\_ No \_\_\_\_\_
- ii) Number of days per year in which discharge occurs or will occur: \_\_\_\_\_
- iii) Peak Hourly Flow Rate (GPM) \_\_\_\_\_
- iv) Maximum Daily Flow Rate (GPD) \_\_\_\_\_
- v) Does or will the facility discharge throughout the year? **YES** \_\_\_\_\_ or No \_\_\_\_\_
- If No, indicate what months discharge occurs or will occur \_\_\_\_\_
- b) Provide the following information specific to **batch discharges** (*batch discharges are intentional controlled discharges that occur as a result of non-continuous operations*).
- i) Number of batch discharges per day \_\_\_\_\_ or other frequency \_\_\_\_\_
- ii) Average discharge volume per batch \_\_\_\_\_ Flow rate \_\_\_\_\_
- iii) Discharge times (day(s) of the week & hours of the day) \_\_\_\_\_

c) List the flows from individual manufacturing processes in gallons per day (GPD):

Description of Process	Avg. Flow (gpd)	Max. Flow (gpd)	Type of Discharge

d) Does the manufacturing process(es) ever generate any unused liquid product(s) (i.e., bad batches, production over runs, product returned from customers, etc.) **YES** \_\_\_\_ **NO** \_\_\_\_ If YES, describe process, product, average volume per day and the disposal method.

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e) Describe, if any Pretreatment is performed on wastewater prior to discharge into sanitary sewers/domestic treatment works:

i) Wastewater treatment

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ii) Residuals handling

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f) Identify any Pretreatment Standards applicable to any of your Facility's regulated process;

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g) List the environmental permits (if any) held by your facility.

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**h) Does the facility have any of the following treatment devices?**

Grease trap	Grease interceptor	Solids interceptor	Acid neutralization
Sand/oil interceptor	Lint interceptor	Silver recovery	Evaporators
Reverse Osmosis	Mercury Recovery	Other (list) _____	

i) Is any form of new or additional *wastewater* pretreatment is planned for this facility within the next **five** years? **YES** \_\_\_\_ **NO** \_\_\_\_ Describe the process waste stream and the type of treatment.

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j) Is there a Spill Prevention Control or Slug Control (SCP) in effect for this facility? **YES** \_\_\_\_ **NO** \_\_\_\_ (If YES, please attach)

**6) SECTION E: Discharge Characteristics**

a) List the regulate pollutants (metals, organics) detected or are likely to be detected in the wastewater discharge:

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b) If available, submit the results of sampling and analysis identifying the nature and concentration of regulated pollutants in the Discharge from each regulated process. Samples should be taken immediately downstream from pretreatment facilities if such exist or immediately downstream from the regulated process if no pretreatment exists. Data attached? Yes \_\_\_\_\_ No \_\_\_\_\_ Other \_\_\_\_\_

c) Check any activities listed below that are performed at this facility:

Check below	40 CFR#	Industrial Activity	Check below	40 CFR#	Industrial Activity
<input type="checkbox"/>	467	Aluminum Forming	<input type="checkbox"/>	432	Meat products
<input type="checkbox"/>	427	Asbestos Manufacturing	<input type="checkbox"/>	433	Metal finishing
<input type="checkbox"/>	461	Battery Manufacturing	<input type="checkbox"/>	464	Metal molding and casting
<input type="checkbox"/>	431	Builders paper & board mills	<input type="checkbox"/>	436	Mineral mining and processing
<input type="checkbox"/>	407	Canned & preserved fruits & veg.	<input type="checkbox"/>	471	Nonferrous Metal, Form & Powders
<input type="checkbox"/>	408	Canned & preserved seafood	<input type="checkbox"/>	421	Nonferrous Metals Manufacturing
<input type="checkbox"/>	458	Carbon black Manufacturing	<input type="checkbox"/>	414	OCPSF, Organic Chemicals, Plastics, & Synthetic Fiber Manufacturing
<input type="checkbox"/>	411	Cement Manufacturing	<input type="checkbox"/>	435	Oil & gas extraction
<input type="checkbox"/>	437	Centralized Waste Treatment	<input type="checkbox"/>	440	Ore mining and dressing
<input type="checkbox"/>	434	Coal Mining	<input type="checkbox"/>	446	Paint formulating
<input type="checkbox"/>	465	Coil Coating	<input type="checkbox"/>	443	Paving and roofing materials Mfg.
<input type="checkbox"/>	468	Copper Forming	<input type="checkbox"/>	455	Pesticide Manufacturing
<input type="checkbox"/>	405	Dairy products processing	<input type="checkbox"/>	419	Petroleum Refining
<input type="checkbox"/>	469	Electrical, electronic components	<input type="checkbox"/>	439	Pharmaceutical Manufacturing
<input type="checkbox"/>	413	Electroplating	<input type="checkbox"/>	422	Phosphate Manufacturing
<input type="checkbox"/>	457	Explosives Manufacturing	<input type="checkbox"/>	459	Photographic supplies
<input type="checkbox"/>	412	Feedlots	<input type="checkbox"/>	463	Plastics molding and forming
<input type="checkbox"/>	424	Ferro alloy Manufacturing	<input type="checkbox"/>	466	Porcelain enameling
<input type="checkbox"/>	418	Fertilizer Manufacturing	<input type="checkbox"/>	430	Pulp, paper, and paperboard
<input type="checkbox"/>	464	Foundries, Metal Mold & Casting	<input type="checkbox"/>	428	Rubber Manufacturing
<input type="checkbox"/>	426	Glass Manufacturing	<input type="checkbox"/>	417	Soap & Detergent Manufacturing
<input type="checkbox"/>	406	Grain mills	<input type="checkbox"/>	423	Steam Electric power Generation
<input type="checkbox"/>	454	Gum & Wood Chemicals Mfg.	<input type="checkbox"/>	409	Sugar processing
<input type="checkbox"/>	460	Hospitals	<input type="checkbox"/>	410	Textile Mills
<input type="checkbox"/>	447	Ink formulating			

	415	Inorganic chemical Manufacturing
	420	Iron & Steel Manufacturing
	425	Leather Tanning & Finishing

	429	Timber products processing
	442	Transportation Equipment Cleaning
		Others

d) Signature

\_\_\_\_\_  
Name (Please Print)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Telephone Number

Mailing Address: \_\_\_\_\_  
 \_\_\_\_\_  
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<p><b>NOTICE: FALSE STATEMENTS, REPRESENTATIONS, OR CERTIFICATIONS IN ANY APPLICATION, RECORD, OR DOCUMENT ARE SUBJECT TO FINES AND PENALTIES PURSUANT TO 40 C.F.R. §403.6(a)(2)(ii)</b></p>
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