

**GUIDANCE FOR PERMITTING
SIGNIFICANT INDUSTRIAL USERS (SIUs)**

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I. Introduction

Facilities for which permitting is required usually include the following types:

- A. Facilities that were built and had been discharging for the past few years (0-3), but had not contacted the Pretreatment Department office to see if a wastewater discharge permit would be required.
- B. Existing facilities (3 or more years), which, had been discharging but have undergone a change in occupancy/processes and may now be discharging pollutants of concern or have become a categorical industry.
- C. Facilities which have experienced effluent violations and/or which are suspected of violating Pretreatment Standards or Requirements.
- D. Facilities for which construction has not begun or been finished and/or for which discharge has not commenced.

II. Submittal of Permit Application

For facilities in Category D above, decisions concerning time lines for submittal of a permit application will usually be on a case-by-case basis.

In the case of the other kinds of facilities (Categories A - C above), an application will normally be submitted within ninety (90) days of initial discharge.

III. Review of Permit Application

The permit preparation inspection should usually be the most in-depth of any conducted for the facility during the permit cycle. This also applies to facilities up for renewal of the permit or for facilities undergoing a major change in operations such that the permit must be modified in response to those changes. A much more extensive set of questions may be appropriate for this kind of permit-preparation inspection.

Before the permit is issued, an in-depth inspection should be conducted in order to verify that items in the permit application are correct. A dye test should also be conducted in order to verify all pertinent connections to the sanitary sewer system. An evaluation should also be conducted on the location for the discharge/sampling point. This is to insure that representative samples can be obtained and that they can be obtained through unimpeded access to the location.

For those facilities for which a permit will be issued, a record of permitting decisions shall include any decision or considerations concerning any applicable Categorical Pretreatment Standards or Requirements, local limits, BPJ limits, as well as evaluation of any limits using the Combined Wastestream Formula (CWF) or production-based or mass-based discharge standards.

If some doubt exists concerning the fate of discharges from the facility (i.e. illicit connection, etc.) or the applicability of any Categorical Pretreatment Standards and/or proper use of the CWF, it may be prudent to solicit the in-depth help, review, or accompaniment on a facility site visit of a fellow staff member. Where necessary, timely calls to EPA Region 6, EPA Headquarters, or the District or Austin offices of the Texas Commission on Environmental Quality may be desirable or necessary in obtaining clarification on any particular aspect of the facility.

For dischargers who will not be permitted, a record of permitting decisions should be kept. This record should be a permanent feature of the file.

IV. Writing and Issuing the Permit

Upon completion of the application review and the permit preparation site visits, the permit shall be written.

For facilities for which reporting for Toxic Organics (TTO) is required, a permittee shall initially be required to submit results for all organics listed in the respective Pretreatment Standard. A complete scan for these shall be necessary once every two (2) years. Thereafter, if the permittee has on file at the Pretreatment Department offices an acceptable Toxic Organic Management Plan (TOMP), reporting for TTO will not be necessary in any required Semi-Annual Self-Monitoring Report during that particular permit cycle.

In lieu of TTO monitoring, permittees with acceptable TOMPs shall instead submit a Certification Statement that shall accompany the Semi-Annual Self-Monitoring Report found in Appendix A of the Industrial Users Permit.

V. Compliance Sampling During Permit Preparation Period

Provided that the facility is actually discharging, a monthly or bi-monthly sampling program should be initiated by the Pretreatment Department as soon as it is determined that an application, and possibly a permit, is necessary. This program should continue until the facility is permitted or until it is determined that the facility is not a Significant Industrial User (SIU) and, therefore, does not require permitting.

It must be kept in mind that part of the criteria to be used in determining whether a permit is necessary is whether there is a reasonable potential for violating a Pretreatment Standard or

Requirement. Any Violations that occur during the sampling period will have at least partial bearing on whether or not the company is issued an SIU permit.

VI. Applicants with Facilities Under Construction or Which are Undergoing Plant Start-Up Activities

Facilities that are under construction and/or which are undergoing start-up activities prior to discharging wastewater should also be regulated during that period. Efforts should be made to contact the pertinent entities and individuals directly responsible for such construction or plant start-up activities.

PERMIT APPLICATION FORM

**HARLINGEN WATER WORKS SYSTEM
INDUSTRIAL USER PERMIT APPLICATION**

After supplying all required information, the completed permit application should be returned to our office at the following address:

**Harlingen Waterworks System
Pretreatment Department
134 E. Van Buren
Harlingen, TX 78550
Telephone (956) 440-6568**

Note to Signing Official: Information and data provided in this application which identify the discharge is in accordance with Title 40 of the Code of Federal Regulation Part 403 and Harlingen City Code, Chapter 34, Article V, Division 3. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2 and in Section 34-479 of the Industrial Waste Ordinance. Should a discharge permit be required for your facility, the information in this application will be used to issue the permit.

SECTION A. GENERAL INFORMATION

1. Company Name: _____

Facility Address: _____

Mailing Address: _____

2. Name(s) and Official Title(s) of Owner and/or Operator(s): _____

Address: _____

3. Authorized Representative Name: _____

Title: _____ Address: _____

Telephone No.: _____ Date of Birth: _____

4. Check On: _____ Existing Discharge

_____ Proposed Discharge

If proposed discharge, the anticipated
date of discharge commencement: _____

5. Treatment Plant receiving discharge:

WWTP #2___ Other (Please Specify)_____

SECTION A. GENERAL INFORMATION (Cont'd)

6. 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."

_____ Date _____ Signature of Official (Seal, If Applicable)

SECTION B. PRODUCT OR SERVICE INFORMATION

1. Provide a narrative description of the primary manufacturing or service activity conducted at the facility and any other manufacturing service activities associated with it and the applicable Standard Industrial Classification Code(s) (SIC No. if known):

2. Principal Raw Materials Used: _____

3. Principal Products Produced: _____

4. Check all activities and indicate SIC No(s)., if known, at your facility:

A. Categorical Industries

B. Other Industries

- Aluminum Forming
- Battery Manufacturing
- Coil Coating
- Electroplating
- Electrical/Electronics Components
- Leather Tanning/Finishing
- Metal Finishing
- Printed Circuit Board
- Electro-less Plating
- Anodizing

- Flammables/Explosives
- Food Preparation Services
- Laboratory
- Laundry, cleaning
- Machine Shop
- Medical Care
- Painting, Finishing
- Paint or Ink Formulation
- Photographic Processing
- Plastics Processing

SECTION B. PRODUCT OR SERVICE INFORMATION (Cont'd)

- | | |
|---|--|
| <p>A.</p> <p>___ Coating</p> <p>___ Milling</p> <p>___ Pharmaceutical</p> <p>___ Transport. Equip. Cleaning</p> <p>___ Centralized Waste Treatment</p> <p>___ Point Source Categories</p> | <p>B.</p> <p>___ Printing</p> <p>___ Repair Shop, Garage</p> <p>___ Research</p> <p>___ Rubber Processing</p> <p>___ Steam/Power Generation</p> <p>___ Warehousing</p> <p>___ Bottlers</p> |
|---|--|

SECTION C. PLANT OPERATION CHARACTERISTICS

1. Do major processes result in wastewater discharges in batch(es) or continuous flow?

Batch _____ Continuous _____ Both _____

Average number of batches per 24-hour day: _____ week: _____ month: _____

Duration of Batch _____

2. Are your processes subject to seasonal variation? _____

If yes, explain and indicate the month(s) of peak operation: _____

3. Shift Information:

a. Number of shifts/work day: _____ b. Number of work days/month: _____

<u># of Employee(s)</u>	<u>Shift Start/End Time</u>	<u>Work Days</u>						
		MON	TUE	WED	THU	FRI	SAT	SUN
1st _____	_____	___	___	___	___	___	___	___
2nd _____	_____	___	___	___	___	___	___	___
3rd _____	_____	___	___	___	___	___	___	___
Total _____								

Additional Information: _____

SECTION D. WATER CONSUMPTION AND WATER LOSS (Cont'd)

6. List average volume of discharge or water losses to:

<u>OUTLET</u>	<u>ESTIMATED AVERAGE VOLUME</u> (gallons per day)	<u>OUTLET</u>	<u>ESTIMATED AVERAGE VOLUME</u> (gallons per day)
a. HWWS sewer _____		d. Evaporation _____	
b. Watercourse, storm drain, ground or septic (tank) _____		e. Contained in product _____	
c. Wastehauler _____		f. Total of a. through e. _____	

SECTION E. SEWER INFORMATION

1. Attach scale drawings of site plans, floor plans and internal plumbing plans showing the location of all internal sewers including size, connection and locations. The site plan must also indicate locations of various processes, cooling towers, administrative facilities, storage areas, alleys, and other pertinent physical structures. Also show the location of all possible sampling points for these sewers.
2. List plant sewers shown in Item 1, with outlet or connection to public sewer, size and flow; assign sequential reference number to each sewer (if more than 3, attach additional information on another sheet).

<u>REFERENCE NUMBER</u>	<u>SEWER SIZE</u> (Inches)	<u>DESCRIBE LOCATION OF SEWER CONNECTION OR DISCHARGE POINT</u>	<u>EST. AVG. FLOW</u> (gal./day)
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
TOTAL (should equal D6a)			_____

SECTION F. WASTEWATER INFORMATION

1. Please indicate the quantities discharged from the activities indicated below in gallons per day. (Refer to Section D, Items 5 and 6). The quantities are to be given for each sewer receiving the discharge.

SECTION F. WASTEWATER INFORMATION (Cont'd)

DISCHARGE QUANTITY BY SEWER REFERENCED IN E-2

TYPE	<u>Ref.#1</u>	<u>Ref.#2</u>	<u>Ref.#3</u>	_____	_____	_____	<u>Total</u>
Process(es)							
a.....	_____	_____	_____	_____	_____	_____	_____
b.....	_____	_____	_____	_____	_____	_____	_____
c.....	_____	_____	_____	_____	_____	_____	_____
Sanitary..	_____	_____	_____	_____	_____	_____	_____
Boiler....	_____	_____	_____	_____	_____	_____	_____
Cooling...	_____	_____	_____	_____	_____	_____	_____
Plant & Equipment Washdown..	_____	_____	_____	_____	_____	_____	_____
Other (Specify).	_____	_____	_____	_____	_____	_____	_____
TOTAL	=====	=====	=====	=====	=====	=====	=====

(TOTAL should equal Sec. D.6.a.)

2. If you are a first-time applicant and any wastewater analyses have been performed on the wastewater discharges from your facilities, attach a copy of the most recent data to this questionnaire. Be sure to include the dates and methods of collection and analysis, the laboratory performing analysis, and the specific location(s) from which samples were collected.

3. Priority Pollutant Information: Please indicate by placing an "X" in the appropriate box beside each chemical listed below, whether it is "Known to be Absent" or "Known to be Present" in your manufacturing or service activity or generated as a by-product. Attach copies of Material Safety Data Sheets (MSDS) for all raw chemicals or chemical products purchased, stored, or used in your facility at or above five (5) gallons. If organics are being used, submit all MSDS.

SECTION F. WASTEWATER INFORMATION (Cont'd)

CHEMICAL COMPOUND	Known Absent	Known Present	CHEMICAL COMPOUND	Known Absent	Known Present
I. METALS & ORGANICS			31. Benzene, 1, 4-dichloro	_____	_____
1. Antimony	_____	_____	32. Benzene, 1, 2, 4-trichloro	_____	_____
2. Arsenic	_____	_____	33. Benzene, hexachloro	_____	_____
3. Asbestos	_____	_____	34. Benzene, ethyl	_____	_____
4. Beryllium	_____	_____	35. Benzene, nitro	_____	_____
5. Cadmium	_____	_____	36. Toluene	_____	_____
6. Chromium	_____	_____	37. Toluene, 2, 4-dinitro	_____	_____
7. Copper	_____	_____	38. Toluene, 2, 6-dinitro	_____	_____
8. Cyanide	_____	_____	IV. PCBs & RELATED COMPOUNDS		
9. Lead	_____	_____	39. PCB-1016	_____	_____
10. Mercury	_____	_____	40. PCB-1221	_____	_____
11. Nickel	_____	_____	41. PCB-1232	_____	_____
12. Selenium	_____	_____	42. PCB-1242	_____	_____
13. Silver	_____	_____	43. PCB-1248	_____	_____
14. Thallium	_____	_____	44. PCB-1254	_____	_____
15. Zinc	_____	_____	45. PCB-1260	_____	_____
II. PHENOLS AND CRESOLS			46. 2-Chloronaphthalene	_____	_____
16. Phenol(s)	_____	_____	V. ETHERS		
17. Phenol, 2-chloro	_____	_____	47. Ether, bis (chloromethyl)	_____	_____
18. Phenol, 2, 4-dichloro	_____	_____	48. Ether, bis (2-chloroethyl)	_____	_____
19. Phenol, 2, 4, 6-trichloro	_____	_____	49. Ether, bis (2-chloroisopropyl)	_____	_____
20. Phenol, pentachloro	_____	_____	50. Ether, 2-chloroethyl vinyl	_____	_____
21. Phenol, 2-nitro	_____	_____	51. Ether, 4-bromophenyl phenyl	_____	_____
22. Phenol, 4-nitro	_____	_____	52. Ether, 4-chlorophenyl phenyl	_____	_____
23. Phenol, 2, 4-dinitro	_____	_____	53. Bis (2-chloroethoxy) methane	_____	_____
24. Phenol, 2, 4-dimethyl	_____	_____	VI. NITROSAMINES & OTHER NITROGEN-CONTAINING COMPOUNDS		
25. m-Cresol, p-chloro	_____	_____	54. Nitrosamine, dimethyl	_____	_____
26. o-Cresol, 4, 6-dinitro	_____	_____	55. Nitrosamine, diphenyl	_____	_____
III. MONOCYCLIC AROMATICS (EXCLUDING PHENOLS, CRESOLS, AND PHTHALATES)			56. Nitrosamine, di-n-propyl	_____	_____
27. Benzene	_____	_____	57. Benzidine	_____	_____
28. Benzene, chloro	_____	_____	58. Benzidine, 3, 3-dichloro	_____	_____
29. Benzene, 1, 2-dichloro	_____	_____			
30. Benzene, 1, 3-dichloro	_____	_____			

SECTION F. WASTEWATER INFORMATION (Cont 'd)

CHEMICAL COMPOUND	Known Absent	Known Present	CHEMICAL COMPOUND	Known Absent	Known Present
59. Hydrazine, 1, 2-diphenyl	_____	_____	91. Phthalate, bis (2-ethylhexyl)	_____	_____
60. Acrylonitrile	_____	_____	92. Phthalate, butyl benzyl	_____	_____
VII. HALOGENATED ALIPHATICS			IX. POLYCYCLIC AROMATIC HYDROCARBONS		
61. Methane, bromo-	_____	_____	93. Acenaphthene	_____	_____
62. Methane, chloro-	_____	_____	94. Acenaphthylene	_____	_____
63. Methane, dichloro	_____	_____	95. Anthracene	_____	_____
64. Methane, chlorodibromo	_____	_____	96. Benzo (a) anthracene	_____	_____
65. Methane, dichlorobromo	_____	_____	97. Benzo (b) fluoranthene	_____	_____
66. Methane, tribromo	_____	_____	98. Benzo (k) fluoranthene	_____	_____
67. Methane, trichloro	_____	_____	99. Benzo (g, h, i) perylene	_____	_____
68. Methane, tetrachloro	_____	_____	100. Benzo (a) pyrene	_____	_____
69. Methane, trichlorofluoro	_____	_____	101. Chrysene	_____	_____
70. Methane, dichlorodifluoro	_____	_____	102. Dibenzo (a, h) anthracene	_____	_____
71. Chloroethane	_____	_____	103. Fluoranthene	_____	_____
72. Ethane, 1, 1-dichloro	_____	_____	104. Fluorene	_____	_____
73. Ethane, 1, 2-dichloro	_____	_____	105. Indeno (1, 2, 3-cd) pyrene	_____	_____
74. Ethane, 1, 1, 1-trichloro	_____	_____	106. Naphthalene	_____	_____
75. Ethane, 1, 1, 2-trichloro	_____	_____	107. Phenanthrene	_____	_____
76. Ethane, 1, 1, 2, 2-tetrachloro	_____	_____	108. Pyrene	_____	_____
77. Ethane, hexachloro	_____	_____	X. PESTICIDES		
78. Ethene, chloro	_____	_____	109. Acrolein	_____	_____
79. Ethene, 1, 1-dichloro	_____	_____	110. Aldrin	_____	_____
80. Ethene, 1, 2 (trans)-dichloro	_____	_____	111. BHC (Alpha)	_____	_____
81. Ethene, trichloro	_____	_____	112. BHC (Beta)	_____	_____
82. Ethene, tetrachloro	_____	_____	113. BHC (Gamma) or Lindane	_____	_____
83. Propane, 1, 2-dichloro	_____	_____	114. BHC (Delta)	_____	_____
84. Propene, 2, 4-dichloro	_____	_____	115. Chlordane	_____	_____
85. Butadiene, hexachloro	_____	_____	116. DDD	_____	_____
86. Cyclopentadiene, hexachloro	_____	_____	117. DDE	_____	_____
VIII. PHTHALATE ESTERS			118. DDT	_____	_____
87. Phthalate, dimethyl	_____	_____	119. Idrin	_____	_____
88. Phthalate, diethyl	_____	_____	120. Endosulfan (Alpha)	_____	_____
89. Phthalate, di-n-butyl	_____	_____	121. Endosulfan (Beta)	_____	_____
90. Phthalate, di-n-octyl	_____	_____			

SECTION F. WASTEWATER INFORMATION (Cont'd)

CHEMICAL COMPOUND	Known Absent	Known Present	CHEMICAL COMPOUND	Known Absent	Known Present
122. Endosulfan Sulfate	_____	_____	130. Aluminum	_____	_____
123. Endrin	_____	_____	131. Molybdenum	_____	_____
124. Endrin aldehyde	_____	_____	132. Fluoride	_____	_____
125. Heptachlor	_____	_____	133. Manganese	_____	_____
126. Heptachlor expoxide	_____	_____	134. Barium	_____	_____
127. Isophorone	_____	_____			
128. TCDD (or Dioxin)	_____	_____			
129. Toxaphene	_____	_____			

OTHER _____

If you are unable to identify the chemical constituents of products you use that are discharged in your wastewater, attach copies of the Material Safety Data Sheets for such products.

Brief Description: _____

SECTION G. OTHER WASTES

1. Are any liquid wastes or sludges being generated that are not disposed of in the sewer system? Yes_____ No_____
2. Indicate wastes generated by your facility and circle appropriate letter:

<u>Waste (s)</u>	<u>Hazardous</u>	<u>DISPOSAL METHOD</u>
___ Acids & Alkalies	Y or N	(Estimated Gal. or Pounds/Year)
___ Heavy Metal Sludge	Y or N	On Site Off Site
___ Inks/Dyes	Y or N	_____
___ Organic Compounds	Y or N	_____
___ Paints	Y or N	_____
___ Plating Wastes	Y or N	_____
___ Pretreatment Sludge	Y or N	_____
___ Solvents/Thinners	Y or N	_____
___ Oil and/or Grease	Y or N	_____
___ Other (Specify)	Y or N	_____
_____	Y or N	_____

* Please submit the most recent receipts and/or waste manifests with this application.

3. On-Site Storage: Yes_____ No_____
 - a. Method: Drum_____ Roll-Off Container_____ Tank_____ Boxes _____
Other (specify)_____
 - b. Typical duration of storage: Days_____ Weeks_____ Months_____
 - c. Typical volume of waste stored: Pounds_____ Gallons_____
 - d. Is storage site diked, segregated, or protected: Yes_____ No_____

Explain:_____
4. On-Site Disposal: Yes_____ No_____

Disposal Method: Reclamation_____ Land Disposal_____ Incineration_____

Other: _____

SECTION G. OTHER WASTES (Cont'd)

5. Off-Site Disposal: Yes_____ No_____

Off-site facility receiving waste: _____

Name of Facility: _____

Facility Operator: _____

Facility Location: _____
Address

City/State ZIP Phone

6. Waste hauled off-site by: Industry_____ Wastehauler_____ Other_____

*Wastehauler Info: _____
Address

City/State ZIP Phone

Vehicle License Number:_____

HWWS

Environmental Protection Agency

Waste Transportation

Registration No.:_____

Permit No.: _____

TCEQ

Registration No.:_____

* List as many as necessary.

SECTION H. LIST OTHER ENVIRONMENTAL CONTROL PERMITS

Including any NPDES permits held for any discharge to storm drain or surface course:

