

City of Tacoma Industrial Pretreatment Program Industrial Wastewater Discharge Permit Application

General Information	
Financial, commercial, and proprietary information submitted by an Industrial User, which the Industrial User identifies as confidential may be exempt from public disclosure, pursuant to the provisions of Chapter 42.56 RCW.	
Legal Entity/Owner of facility where discharge will originate:	
Business name if different from above:	
Operator or Contactor that operates facility or treatment system, if different:	
Physical address of facility where discharge will occur:	Official mailing address, if different:
Website: http://www.	Facility Phone #:
Name of Authorized Representative of the Industrial User (see Attachment 1):	Name of alternative Authorized Representative:
Title:	Title:
Phone # & extension:	Phone # & extension:
Email Address:	Email Address:
Emergency Contact(s) - (Name/Phone):	
List all NAICS codes for your facility, (see http://www.census.gov/eos/www/naics/):	

Directions for Completing this Application
<ol style="list-style-type: none"> 1. Fill out the application completely. Answer all questions. If you do not know the answer to a question, write "Unknown". If an answer is not applicable to your facility, write "N/A". Do not leave any blank spaces or unanswered questions. Failure to complete this document may delay the ability of the City to process the permit application. 2. Sign the Application. The Authorized Representative must sign this application as described in Attachment 1 of this application.

Directions for Completing this Application

3. Failure to submit a completed application by the required date is a violation of Chapter 12.08.140 of the Tacoma Municipal Code (TMC).
4. This application must be completed in ink or be typewritten. Applications completed in pencil shall not be accepted.
5. If you have any questions, please contact: Pretreatment Coordinator, City of Tacoma, at (253) 502-2239.
6. If the City finds that the permit application is complete and submitted in a timely manner, the City may issue a permit to the Industrial User and assess a permit fee and other charges as specified in TMC 12.08.140.M.
7. Submit the completed application to, Pretreatment Coordinator, City of Tacoma, 2201 Portland Avenue East, Bldg. P-1, Tacoma WA, 99421

Facility/Production Information

General Business/Facility Activity Description:

Provide operating data below

	Shift Times	Days of Operation	# of Employees
Shift #1:			
Shift #2:			
Shift #3:			

	Does your business perform any process(es) for which pretreatment standards for new or existing sources would be applicable if there were a discharge to the sanitary sewer from such activity? (see pages 13-15) ___ YES ___ NO	Applicable Categorical Standard(s) (include specific Standard, Subpart, and Applicable Section):
	Sources may include cooling water, boiler blowdown, industrial processes, etc.	If you do not know if the activities conducted at your facility are subject to Federal Categorical regulations, contact your Business Operations Division representative for assistance.

Facility/Production Information

Reason for classification (description of regulated processes):	
Date facility began operation (or will begin operation):	Date of first discharge from each identified categorical process to the Publicly Owned Treatment Works (POTW) or if no discharge the date when the regulated process began:

Name of water supplier(s):

Water billing account number(s):

Sewer (wastewater) account billing number(s):

Supplier example would be Tacoma Public Utilities

Other Environmental Permits Held by Facility:

Permit Type	Issuing Agency	Permit Number	Expiration Date
Wastewater:			
Wastewater-Direct Discharge (State or EPA permit):			
RCRA (Hazardous Waste):			
Underground Injection Control (UIC) Permit:			
Stormwater:			
Air Permit:			
Other:			

List the primary products produced at this facility (attach sheets as needed):

Facility/Production Information

List all raw materials and process chemicals used (attach sheets as needed):

List and attach copies of any notifications of discharge of hazardous waste previously submitted in fulfillment of the requirements of 40 CFR 403.12(p), also as described on page 31 (attach sheets as needed):

	YES	NO
Are biocides or descaling chemicals added to any water, including cooling water, that are ultimately discharged to the POTW? If yes, please describe:		
Wastewater discharge is:		
Continuous		
Batch		
Both		
If discharge includes <u>batch discharges</u> provide the number of batch discharges per day:		
Gallons per batch:		
Average (gal):		
Maximum (gal):		
	YES	NO
Does production vary significantly (+/- 20 %) during a calendar year (e.g. seasonal production, plant shut downs, etc.)? If yes, please describe:		

Facility/Production Information		
	YES	NO
Are any significant (+/- 20 %) changes in production anticipated in the next two (2) years that will affect wastewater discharges? If yes, please describe:		
Provide an explanation of any anticipated changes in production in the next two to ten (2-10) years; include any changes in pollutants or pollutant concentrations and/or changes in discharge volumes:		
If wastewater or non-domestic wastes are hauled off-site, list the name, address, and phone number of the hauler and the names of wastes and volumes hauled off-site over last two (2) years (attach sheets as needed):		
Attach copies of laboratory analyses performed over the past five (5) years for wastewater discharge(s) from your facility <u>if not previously</u> submitted to the City.		
<p>Attach a site plan or schematic of all areas that generate non-domestic wastewater that shows process lines, chemical storage areas, areas where materials are trans-loaded, or where contaminated stormwater is generated (See example in "Attachment 4").</p> <p>Site plan or schematic must also show:</p> <ol style="list-style-type: none"> 1. All wastewater lines and connections, including internal and external drains; 2. All sewer connections and monitoring point(s) for wastewater sampling; 3. Treatment facilities, internal and external to facility. Label tanks and indicate wastewater flow direction and tank or other storage volumes; 4. Process areas showing all tanks or other vessels used in the manufacturing process. Include a narrative that identifies where wastewater is generated during process or cleaning operations; 5. Process diagrams must show in sequence, or stepwise, the processing of all materials into products (with tank volumes and contents); and 6. Drawings need not be to scale but must be clearly labeled and on sheets no larger than 11" x 17". Use separate sheets for various facility areas where needed. 		

Facility/Production Information		
	YES	NO
Has your business ever applied for or been issued an Industrial Wastewater Discharge Permit to discharge wastewater to a sanitary sewer collection system? If yes, please list each City or District (attach sheets as necessary).		
Does your Company have any other manufacturing or other facilities that are engaged in the same or similar business activity? If yes, please provide a listing of Company names and locations (attach sheets as necessary).		
	YES	NO
Are there any underground storage tanks at your facility?*		
For new facilities, will there be any underground storage tanks installed?*		
*If yes, list contents and volume of each tank (attach sheets as necessary).		
	YES	NO
Do you have any above ground storage tanks at your facility?*		
For new facilities, will you have any above ground storage tanks?*		
*If yes, list the tank capacity and contents for each tank. Also, describe whether the tank has any spill prevention or containment structure (e.g. dikes, etc.). Also list the procedures for draining and cleaning these containment structures (attach sheets as needed).		

Facility/Production Information		
	YES	YES
Do you store or contain wastewater in tanks or ponds at your facility (including new facilities)? If yes, include in the facility schematic.		
Are floor drains located in the manufacturing area? If yes, explain:		
Chemical Storage: Are chemical storage areas bermed or otherwise isolated from the rest of the facility and floor drains? If yes, please label all berms, barriers, or trench drains on the facility schematic.		
Cooling water: How many cycles does your facility recirculate cooling water?		

#	Source(s) and Flows of Water Used in Facility	Metered or Logged Y/N	Daily Average Water Use past 12 months (past 12 months gpd)	Daily Maximum Water Use (past 12 months) gpd	Measured or Estimated
Provide the flows and information for wastewater discharged from:					
1.	Public water supply; Customer account number:				
2.	A separate irrigation metered water source				
3.	Private water supply, including piped or trucked				
4.	Well located ON or OFF property (circle one) - See also #10 which may apply				
5.	Private ponds				
6.	Reuse/Reclaimed water from off-site				
7.	Reuse/Reclaimed water from on-site				
8.	Surface waters				
9.	Water contained in raw materials ^(a)				
10.	Groundwater remediation well				
11.	Contaminated Stormwater				
12.	Other (specify):				
13.	Other (specify):				
14.	Other (specify):				
15.	Other (specify):				
		TOTAL:			

(a) This is required where any liquids are received via train (railcar) or truck (tanker or bulk totes).

Please attach a diagram describing the water sources, the water uses, the volume for each use, where flows are combined prior to treatment, or after treatment, and where monitoring points are located, (See example in “Attachment 3”).

#	Sources and Flows for Wastewater Generated at the Facility	Where is the wastewater discharged or planned to be discharged (see Wastewater Disposal Methods below)	Daily Average Wastewater Flow past 12 months (existing discharge) or next 12 months (new discharge) gpd	Daily Maximum Wastewater Flow past 12 months (existing discharge) or next 12 months (new discharge) gpd	Measured or Estimated
Provide the flows and information for wastewater discharged from:					
1.	Process flows:				
2.	Process flows:				
3.	Process flows:				
4.	Cleaning/wash down/rinses:				
5.	Water into product:				
6.	Air quality scrubbers:				
7.	Domestic - toilets, drinking, ect.:				
8.	Non-contact cooling water:				
9.	Contact cooling water:				
10.	Deionization (DI) Backwash:				
11.	Reverse Osmosis (RO) Regen/Backwash:				
12.	Irrigation (if not metered separately from water use on previous page):				
13.	Air Pollution Control:				
14.	Evaporation:				
15.	Water/wastewater Reuse flows:				
16.	Groundwater Remediation:				
17.	Contaminated Stormwater:				

#	Sources and Flows for Wastewater Generated at the Facility	Where is the wastewater discharged or planned to be discharged (see Wastewater Disposal Methods below)	Daily Average Wastewater Flow past 12 months (existing discharge) or next 12 months (new discharge) gpd	Daily Maximum Wastewater Flow past 12 months (existing discharge) or next 12 months (new discharge) gpd	Measured or Estimated
Provide the flows and information for wastewater discharged from:					
18.	Other:				
		TOTAL:			
Wastewater Disposal Methods					
1.	Sanitary Sewer (to POTW) - Treated	7.	Other Groundwater		
2.	Sanitary Sewer (to POTW) - Untreated	8.	Waste Haulers (identify on page 10)		
3.	Surface waters (river, stream, lake, etc.)	9.	Water into product		
4.	Evaporation	10.	Centralized Waste Treater		
5.	Land applied	11.	Storm Sewer		
6.	Septic Tank/Leach field	12.	Other:		

DISCUSS ANY DIFFERENCES >5% BETWEEN THE TOTAL WATER USE ON PAGE 8 AND THE TOTAL WASTEWATER FLOWS ON THIS PAGE: _____

INDUSTRIAL USER IS REQUESTING A PERMITTED DAILY MAXIMUM FLOW (specify gallons per day or million gallons per day) OF: _____

Wastewater Treatment

Are there any pretreatment devices or processes used for treating wastewater before discharge to the sanitary sewer? Indicate Yes, if present and describe, and No, if not present.

Type of Treatment	YES/NO	Type of Wastestream Treated
Flow equalization		
Aerated equalization (gallons):		
Non-Aerated equalization (gallons):		
Activated Carbon:		
Air Stripping:		
Biological Treatment:		
Centrifugation:		
Chemical Precipitation:		
Chlorination:		
Cyanide Destruction:		
Cyclone:		
Dissolved Air Floatation:		
Evaporation:		
Filtration:		
Flocculation:		
Fats/Oil/Grease Interceptor:		

Wastewater Treatment

Are there any pretreatment devices or processes used for treating wastewater before discharge to the sanitary sewer? Indicate Yes, if present and describe, and No, if not present.

Oil/Sand Separator:		
Grit Removal:		
Ion Exchange:		
Neutralization/pH adjust:		
Ozone:		
Reverse Osmosis:		
Sedimentation:		
Separation:		
Septic Tank:		
Silver Recovery:		
Solvent Separation:		
List other treatment:		
List other treatment:		
List other treatment:		

Off-Site Disposal of Wastes

Type of Waste	YES/NO	Name of Hauler and where waste is disposed (or N/A if off-site disposal is not done)
Acids/Bases:		
Petroleum-Based Oils/Grease:		
Vegetable Fats/Oils/Grease:		

Off-Site Disposal of Wastes		
Type of Waste	YES/NO	Name of Hauler and where waste is disposed (or N/A if off-site disposal is not done)
Water-based cutting fluids:		
Sludges from the treatment of metal containing process wastewater:		
Wastewater or waste process bath wastewater from metal finishing or electroplating processes:		
Metal scraps from machining and processing:		
Inks/dyes/coloring agents:		
Organic chemical pollutants, excluding food waste:		
Food waste:		
Paints:		
Pesticides:		
Solvents:		
Hazardous Wastes:		
1 st wash/rinse from process tanks:		
Wash or rinse water from waste delivered by railcar or truck:		
Other sludge from tanks or treatment not specified above:		
Antifreeze (clean or used):		
Contact Stormwater:		
Contaminated Stormwater:		
List any others:		
List any others:		
List any others:		

List any others:		
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Wastewater Treatment	YES	NO
Is the pretreatment system fully operational? If not, explain:		
Is backup power available?		
Do alarm systems exist for out of range excursions (e.g. pH, flow, etc.)?		
Are solids generated from the pretreatment system?		
Are there written O&M manuals/SOPs for equipment and treatment system?		
Are written logs for operator measurements available and being used?		
Are emergency notification procedures in-place and posted?		
Has the pretreatment system experienced operational upsets? If yes, describe:		
Is there a bypass around the treatment system (See 40 CFR Section 403.17)?		
Type of recording for pH measurements (chart, recorder, computer, log):		
Type of recording for flow measurements (chart, recording, computer, log):		
Do you have a wastewater treatment operator? If yes, is the operator trained in regards to existing or proposed operation and maintenance (O&M) practices?		

Check any activities listed below that are performed at your facility. For some business activities, EPA has published Categorical Standards. Specify, "Yes", if you are conducting activities onsite for which pretreatment standards or requirements for new or existing sources were developed, or if you are receiving waters from off-site which would be subject to either direct or indirect discharge criteria covered by EPA Categorical Standards.

YES	40 CFR #	Industrial Activity	Applicable Subparts
	467	Aluminum Forming	
	427	Asbestos Manufacturing	
	461	Battery Manufacturing	
	431	Builders Paper & Board Mills	
	407	Canned & Preserved Fruits & Veg.	
	408	Canned & Preserved Seafood	
	458	Carbon Black Manufacturing	
	411	Cement Manufacturing	
	437	Centralized Waste Treatment	
	434	Coal Mining	
	465	Coil Coating	
	468	Copper Forming	
	405	Dairy products processing	
	441	Dental Industrial User (Covered by Effluent Guidelines but not a Categorical Industrial User)	
	469	Electrical, Electronic Components	
	413	Electroplating	
	457	Explosives Manufacturing	
	412	Feedlots	
	424	Ferro Alloy Manufacturing	
	418	Fertilizer Manufacturing	
	464	Foundries, Metal Mold & Casting	
	426	Glass Manufacturing	
	406	Grain Mills	
	454	Gum & Wood Chemicals Manufacturing	
	460	Hospitals	
	447	Ink Formulating	
	415	Inorganic Chemical Manufacturing	
	420	Iron & Steel Manufacturing	
	425	Leather Tanning & Finishing	
	432	Meat Products	
	433	Metal Finishing	

YES	40 CFR #	Industrial Activity	Applicable Subparts
	464	Metal Molding and Casting	
	436	Mineral Mining and Processing	
	471	Nonferrous Metal, Form & Powders	
	421	Nonferrous Metals Manufacturing	
	414	OCPSF, Organic Chemicals, Plastics, & Synthetic Fiber Manufacturing	
	435	Oil & Gas Extraction	
	440	Ore Mining and Dressing	
	446	Paint Formulating	
	443	Paving and Roofing Materials Manufacturing	
	455	Pesticide Manufacturing	
	419	Petroleum Refining	
	439	Pharmaceutical Manufacturing	
	422	Phosphate Manufacturing	
	459	Photographic Supplies	
	463	Plastics Molding and Forming	
	466	Porcelain Enameling	
	430	Pulp, Paper, and Paperboard	
	428	Rubber Manufacturing	
	417	Soap & Detergent Manufacturing	
	423	Steam Electric Power Generation	
	409	Sugar Processing	
	410	Textile Mills	
	429	Timber Products Processing	
	442	Transportation Equipment Cleaning	
	Other:		
	Other:		
	Other:		
	Other:		
	Other:		
	Other:		
	Other:		
	Other:		
	Other:		
	Other:		

Monitoring Data Requirements

For existing permitted Industrial Users (Categorical or non-Categorical): Submit the results of any pollutant monitoring conducted over the last five years performed on discharges not already reported to the City. Applicants will be required to sample for all pollutants identified in the tables on pages 17-28.

For a new, non-Categorical Industrial User: If sampling of wastewater from your facility has been performed and analyzed (even if in another location) in the past five years, include a copy of all such results with this completed application.

Pursuant to 40 CFR Section 403.12(b), if your business is a Categorical Industrial User that is connecting to the City sewer or proposing to connect to the City sewer, you are required to collect at least one representative sample of your effluent and analyze for all regulated pollutants using methods at 40 CFR Part 136 prior to discharge. If the facility is not discharging, historical data may be used to identify pollutants present and to estimate concentrations of pollutants. If the Industrial User has a similar operation in another location, data from that facility may be used to provide an estimate. Regulated pollutants include all pollutants covered by the Categorical Standard and any local limitations established by the City.

If you have pollutant data on the presence or concentrations of pollutants in your wastewater that have been collected in the last five (5) years AND that data has not been previously submitted to the City, that pollutant data shall be submitted with this application.

If this application is being completed for a new Categorical Industrial User, the City may request additional information specific to the relevant Categorical Standard and facility operations. This application includes required information to assist the City in permit issuance and may require additional information that is required for Baseline Monitoring Reports (BMRs) as defined at 40 CFR Section 403.12(b) at least 90 days prior to discharge being authorized.

Categorical Industrial Users Only

	YES	NO
Is your facility covered by more than one Categorical Pretreatment Standard?		
Do you use the Combined Wastestream Formula or Flow Weighted Averaging when evaluating compliance with Categorical Standards (see 40 CFR Section 403.6)		

Categorical Industrial Users Only

For each process where a discharge of wastewater does or may occur, provide a description of that process (add sheets as necessary):

- 1.
- 2.
- 3.
- 4.
- 5.

If your facility is covered by a production-based Categorical Pretreatment Standard, provide a description of the nature and average rate of production (last three (3) years) for your products as specified in the applicable Categorical Standard. Additional information may be required for Industrial Users that are governed by production-based Categorical Standards. Add additional sheets as necessary.

Other Data Required for Categorical Industrial Users

Certification to be signed and provided with this application

A statement reviewed by the Authorized Representative of the Industrial User and certified by a qualified professional, indicating whether Pretreatment Standards and Requirements are being met on a consistent basis. If not, whether additional operation and maintenance (O&M) and/or additional Pretreatment is required for the Industrial User to meet the Pretreatment Standards and Requirements. Attach Statement/Certification. New Source dischargers must be in compliance with Categorical Standards upon discharge.

Compliance Schedule

If additional pretreatment and/or O&M will be required to meet the City's Local Limits or other City Pretreatment Requirements, the Industrial User may be required to submit a schedule by which the Industrial User will provide such additional pretreatment or take other actions to ensure compliance. No discharge shall be authorized that results in the City exceeding the Maximum Allowable Industrial Loading (MAIL) that reflects the total allocation to all Permitted Industrial Users.

Please review your past effluent monitoring data, raw materials, and processes and complete the following table.

Note: The Industrial User shall review all raw materials used in the manufacturing process (the facility) and all final products to answer whether or not a pollutant is present. If, after review of all raw materials and final products, including raw materials, a pollutant is not shown by data to be present, the Industrial User may check the “Known Absent at Facility”. Where a MSDS or certificate of analysis from a supplier of raw materials lists individual components as “Proprietary” or similar language, it is the responsibility of the Industrial User to obtain a listing of the individual chemical components of the raw materials from the manufacturer and report required pollutant information to the Pretreatment Program. No claim of “proprietary”, “confidential”, “trade secret”, etc. may be used to avoid reporting the required information to the Pretreatment Program on pollutants that are or may be present in the discharge. The Pretreatment Program may require monitoring and reporting for any pollutant. Checking “Unknown” below may result in additional monitoring and reporting requirement(s) for that pollutant. The Industrial User must check at least one box for each pollutant below.

Pollutant	CAS No.	Known Absent at Facility (Y/N)	Known Present at Facility (Y/N)	Unknown Whether Present at Facility (Y/N)	Known Absent in Discharge (Y/N)	Known Present in Discharge (Y/N)	Unknown Whether Present in Discharge (Y/N)	Characterization Required (City use Only) (Y/N)
Arsenic, Total	7440-38-2							
Cadmium, Total	7440-43-9							
Chromium (VI), Total	18540-29-9							
Chromium, Total	7440-47-3							
Copper, Total	7440-50-8							
Cyanide, Free								
Cyanide, Total	57-12-5							
Lead, Total	7439-92-1							
Mercury, Total	7439-97-6							
Molybdenum, Total	7439-98-7							
Nickel, Total	7440-02-0							
Selenium, Total	7782-49-2							

Silver, Total	7440-22-4							
Zinc, Total	7440-66-6							
Ammonia	7664-41-7							
5-Day Biochemical Oxygen Demand (BOD5)	n/a							
Chemical Oxygen Demand (COD)	n/a							
Total Suspended Solids (TSS)	n/a							
1,1,1-Trichloroethane	71-55-6							
1,1,2,2-Tetrachloroethane	79-34-5							
1,1,2-Trichloroethane	79-00-5							
1,1-Dichloroethane	75-34-3							
1,1-Dichloroethylene	75-35-4							
1,2,4-Trichlorobenzene	120-82-1							
1,2-Dichlorobenzene	95-50-1							
1,2-Dichloroethane	107-06-2							
1,2-Dichloropropane	78-87-5							
1,2-Diphenylhydrazine	122-66-7							
1,2-trans-Dichloroethylene	156-60-5							
1,3-Dichlorobenzene	541-73-1							
1,3-Dichloropropylene	542-75-6							
1,4-Dichlorobenzene	106-46-7							
2,2-Dichloropropionic acid	75-99-0							
2,3,7,8-Tetrachlorodibenzo-	1764-01-6							

p-dioxin								
2,4,5-T	93-76-5							
2,4,5-TP	93-72-1							
2,4,6-Trichlorophenol	88-06-2							
2,4-D	94-75-7							
2,4-Dichlorophenol	120-83-2							
2,4-Dimethylphenol	105-67-9							
2,4-Dinitrophenol	51-28-5							
2,4-Dinitrotoluene	121-14-2							
2,6-Dinitrotoluene	606-20-2							
2-Chloroethylvinyl ether	110-75-8							
2-Chloronaphthalene	91-58-7							
2-Chlorophenol	95-57-8							
2-Nitrophenol	88-75-5							
3,3-Dichlorobenzidine	91-94-1							
3,4-Benzofluoranthene	205-99-2							
4,4'-DDD	72-54-8							
4,4'-DDE	72-55-9							
4,4'-DDT	50-29-3							
4,6-Dinitro-o-cresol	534-52-1							
4-Bromophenyl phenyl ether	101-55-3							
4-Chlorophenyl phenyl ether	7005-72-3							
4-Nitrophenol	100-02-7							

Acenaphthene	83-82-9							
Acenaphthylene	208-96-8							
Acetaldehyde	75-07-0							
Acrolein	107-02-8							
Acrylonitrile	107-13-1							
Aldrin	309-00-2							
Allyl alcohol	107-18-6							
Allyl chloride	107-05-1							
Alpha, Total	n/a							
alpha-BHC	319-84-6							
alpha-Endosulfan	959-98-8							
Aluminum, Total	7429-90-5							
Amyl acetate	628-63-7							
Aniline	62-53-3							
Anthracene	120-12-7							
Antimony, Total	7440-36-0							
Arsenic, Total	7440-38-2							
Asbestos	1332-21-4							
Barium, Total	7440-39-3							
Benz[a]anthracene	56-55-3							
Benzene	71-43-2							
Benzidene	92-87-5							
Benzo[a]pyrene	50-32-8							
Benzo[ghi]perylene	191-24-2							

Benzo[k]fluoranthene	207-08-9							
Benzyl chloride	100-44-7							
Beryllium, Total	7440-41-7							
Beta, Total	n/a							
beta-BHC	319-85-7							
beta-Endosulfan	33213-65-9							
Bis(2-chloroethoxy) methane	111-91-1							
Bis(2-chloroethyl) ether	111-44-4							
Bis(2-chloroisopropyl) ether	102-80-1							
Bis(2-ethylhexyl) phthalate	117-81-7							
Bis(chloromethyl) ether	542-88-1							
Boron, Total	7440-42-8							
Bromide	24959-67-9							
Bromoform	75-25-2							
Butyl benzyl phthalate	85-68-7							
Cadmium, Total	7440-43-9							
Captan	133-06-2							
Carbaryl	63-25-2							
Carbofuran	1563-66-2							
Carbon disulfide	75-15-0							
Carbon tetrachloride	56-23-5							
Chlordane	57-74-9							
Chlorine, Total Residual	n/a							

Chlorobenzene	108-90-7							
Chlorodibromomethane	124-48-1							
Chloroethane	75-00-3							
Chloroform	67-66-3							
Chlorpyrifos	2921-88-2							
Chrysene	218-01-9							
Colbalt, Total	7440-48-4							
Color	n/a							
Coumaphos	56-72-4							
Cresols	1319-77-3							
Crotonaldehyde	123-73-9							
Cyclohexane	110-82-7							
delta-BHC	319-86-8							
Diazinon	333-41-5							
Dibenz[a,h]anthracene	53-70-3							
Dicamba	1918-00-9							
Dichlobenil	1194-65-6							
Dichlone	117-80-6							
Dichlorobromomethane	75-27-4							
Dichlorodifluoromethane	75-71-8							
Dichlorvos	62-73-7							
Dieldrin	60-57-1							
Diethyl phthalate	84-66-2							
Diethylamine	109-89-7							

Dimethyl phthalate	131-11-3							
Dimethylamine	124-40-3							
Di-N-butylphthalate	84-74-2							
Di-N-octyl phthalate	117-84-0							
Diquat	85-00-7							
Disulfoton	298-04-4							
Diuron	330-54-1							
Endosulfan sulfate	1031-07-8							
Endrin	72-20-8							
Endrin aldehyde	7421-93-4							
Epichlorohydrin	106-89-8							
Ethion	563-12-2							
Ethylbenzene	100-41-4							
Ethylene diamine	107-15-3							
Ethylene dibromide	106-93-4							
Fecal Coliform	n/a							
Fluoranthene	206-44-0							
Fluorene	86-73-7							
Fluoride	16984-48-8							
Formaldehyde	50-00-0							
Furfural	98-01-1							
gamma-BHC	58-89-9							
Guthion	86-50-0							
Heptachlor	76-44-8							

Heptachlor epoxide	1024-57-3							
Hexachlorobenzene	118-74-1							
Hexachlorobutadiene	87-68-3							
Hexachlorocyclopentadiene	77-47-4							
Hexachloroethane	67-72-1							
Indeno(1,2,3-cd)pyrene	193-39-5							
Iron, Total	7439-89-6							
Isophorone	78-59-1							
Isoprene	78-79-5							
Isopropanolamine	78-96-6							
Keithane	115-32-2							
Kepone	143-50-0							
Malathion	121-75-5							
Manganese, Total	7439-96-5							
m-Cresol	108-39-4							
m-Dinitrobenzene	99-65-0							
Mercaptodimethur	2032-65-7							
Methoxychlor	72-43-5							
Methyl bromide	74-83-9							
Methyl chloride	74-87-3							
Methyl mercaptan	74-93-1							
Methyl methacrylate	80-62-6							
Methyl parathion	298-00-0							
Methylene chloride	75-09-2							

Mevinphos	7786-34-7							
Mexacarbate	315-18-4							
Monoethylamine	75-04-7							
Monomethylamine	74-89-5							
Naled	300-76-5							
Naphthalene	91-20-3							
Napthenic acid	1338-24-5							
N-Butyl acetate	123-86-4							
N-Butylamine	109-73-9							
Nitrate-Nitrite (as N)	n/a							
Nitrobenzene	98-95-3							
Nitrogen, Total Organic (as N)	n/a							
Nitrotoluene	1321-12-6							
N-Nitrosodimethylamine	62-75-9							
N-Nitroso-di-n-propylamine	621-64-7							
N-Nitrosodiphenylamine	86-30-6							
Nonylphenol	68152-92-1							
o-Cresol	95-48-7							
o-Dinitrobenzene	528-29-0							
Oil and Grease	n/a							
Parathion	56-38-2							
PCB-1016	12674-11-2							
PCB-1221	11104-28-2							

PCB-1232	11141-16-5							
PCB-1242	53469-21-9							
PCB-1248	12672-29-6							
PCB-1254	11097-69-1							
PCB-1260	11096-82-5							
p-Chloro-m-cresol	59-50-7							
p-Cresol	106-44-5							
Pentachlorophenol	87-86-5							
Phenanthrene	85-01-8							
Phenol	108-95-2							
Phenols, Total	n/a							
Phenolsulfonates, Total	n/a							
Phosgene	75-44-5							
Phosphorus, Total	7723-14-0							
Propargite	2312-35-8							
Propylene oxide	75-56-9							
Pyrene	129-00-0							
Pyrethrins	n/a							
Quinoline	91-22-5							
Radionuclides	n/a							
Radium, Total	n/a							
Radium-226, Total	n/a							
Resorcinol	108-46-3							
Strontium	7440-24-6							

Strychnine	57-24-9							
Styrene	100-42-5							
Sulfate (as SO4)	14808-79-8							
Sulfide (as S)	18496-25-8							
Sulfite (as S03)	14265-45-3							
Surfactants	n/a							
TDE (Tetrachlorodiphenylethane)	72-54-8							
Tetrachloroethylene aka Perchloroethylene aka Tetrachloroethene	127-18-4							
Thallium, Total	7440-28-0							
Tin, Total	7440-31-5							
Titanium, Total	7440-32-6							
Toluene	108-88-3							
Total Organic Carbon (TOC)	n/a							
Toxaphene	8001-35-2							
Trichloroethylene	79-01-6							
Trichlorofluoromethane	75-69-4							
Trichlorofon	52-68-6							
Triethanolamine	102-71-6							
Triethylamine	121-44-8							
Trimethylamine	75-50-3							
Uranium	7440-61-1							

Vanadium	7440-62-2							
Vinyl acetate	108-05-4							
Vinyl chloride	75-01-4							
Xylene	1330-20-7							
Xylenol	1300-71-6							
Zirconium	7440-67-7							

Include the following information for other pollutants used or generated at the facility which are not included in the table on pages 17-27. The Industrial User shall keep these lists up-to-date. (Add sheets as needed)

Pollutant	CAS No.	Known Absent at Facility (Y/N)	Known Present at Facility (Y/N)	Unknown Whether Present at Facility (Y/N)	Known Absent in Discharge (Y/N)	Known Present in Discharge (Y/N)	Unknown Whether Present in Discharge (Y/N)	Characterization Required (City use Only) (Y/N)

Pollutant	CAS No.	Known Absent at Facility (Y/N)	Known Present at Facility (Y/N)	Unknown Whether Present at Facility (Y/N)	Known Absent in Discharge (Y/N)	Known Present in Discharge (Y/N)	Unknown Whether Present in Discharge (Y/N)	Characterization Required (City use Only) (Y/N)

Does your facility use or manufacture nanomaterials in its process? For more information:
<http://www2.epa.gov/sites/production/files/2013-12/documents/nanotechnology-fact-sheet.pdf>
 If yes, please provide further information on the use, manufacture and discharge of these materials or pollutants (attach pages as necessary):

Slug Discharge Control Plan (SDCP)		
	YES	NO
Do you have a Slug Discharge Control Plan?		
Date of most recent Slug Discharge Control Plan:		
If yes, has it been submitted to the City and approved?		
Is a copy of the plan kept on-site at the facility?		
<p>Existing SDCPs should be attached to the permit application with the following certification, signed by the Authorized Representative, that the plan has been reviewed and reflects the current situation at the applicant's facility: "I certify that the current Slug Discharge Control Plan submitted to the Business Operations Division is up to date and that I have the financial resources and authority to implement the plan."</p> <p><i>Please reference "Attachment 2" if the facility does not have an existing SDCP</i></p>		

Slug Discharge Control Plan Submittal – TO BE COMPLETED BY City		
	YES	NO
Is the City requiring that the Industrial User completing this application submit a SDCP as described in Attachment 2?		
If the Industrial User is not required to submit a SDCP with this application, the City will be notifying the Industrial User if and when a SDCP shall be submitted.		

Current and Projected Waste Reduction (Pollution Prevention) Activities		
Current	Projected	Description
		Improved maintenance scheduling recordkeeping, or procedures.
		Changed production schedule to minimize equipment and feedstock changeovers.
		Other changes in operating practices (explain briefly in comments).
		Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life.
		Began to test outdated material-continue to use if still effective.
		Eliminated shelf-life requirements for stable materials.
		Instituted better labeling procedures.
		Instituted clearinghouse to exchange materials that would otherwise be discarded.
		Other changes in inventory control (explain briefly in comments).
		Improved storage or stacking procedures.
		Improved procedures for loading, unloading and transfer operations.

Current and Projected Waste Reduction (Pollution Prevention) Activities

Current	Projected	Description
		Installed overflow alarms or automatic shutoff valves.
		Installed secondary containment.
		Installed vapor recovery systems.
		Implemented inspection or monitoring program of potential spill or leak sources.
		Other spill and leak prevention (explain briefly in comments).
		Increased purity of raw materials.
		Substituted raw materials.
		Other raw material modifications (explain briefly in comments).
		Instituted recirculation within a process
		Modified equipment, layout, or piping
		Use of a different process catalyst
		Instituted better controls on operating bulk containers to minimize discarding of empty containers
		Changed from small volume containers to bulk containers to minimize discarding of empty containers
		Other process modifications (explain briefly in comments)
		Modified stripping / cleaning equipment.
		Changed to mechanical stripping / cleaning devices (from solvents or other materials)
		Changed to aqueous cleaners (from solvents or other materials)
		Reduced the number of solvents used to make waste more amenable to recycling
		Modified containment procedures for cleaning units
		Improved draining procedures
		Redesign parts racks to reduce drag-out
		Modified or installed rinse systems
		Improved rinse equipment design
		Improved rinse equipment operation
		Other cleaning and degreasing operation (explain briefly in comments)
		Modified spray systems or equipment
		Substituted coating materials used
		Improved application techniques
		Changed from spray to other system
		Other surface preparation and finishing (explain briefly in comments)
		Changed product specifications
		Modified design or composition of product
		Modified packaging
		Other product modifications (explain briefly in comments)

Current and Projected Waste Reduction (Pollution Prevention) Activities

Current	Projected	Description
<p>Comments</p>		

HAZARDOUS WASTE DISCHARGE REPORTING NOTIFICATION

This notification is intended to inform your business of their obligations under 40 CFR Section 403.12(p) and Tacoma Municipal Code (TMC) 12.08.150.C to report discharges of hazardous waste to the sanitary sewer.

The Industrial User shall notify the City, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place within 180 days of the effective date of this rule. Industrial Users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this

paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed discharges must be submitted under 40 CFR 403.12 (j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12 (b), (d), and (e).

The City is requiring this notification for the discharge of hazardous waste to the POTW and the report shall be made immediately upon learning of the discharge.

The Authorized Representative for the facility shall review and sign this application and return to the City with the completed permit application (see TMC 12.08.140.F).

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 upon 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/or imprisonment for knowing violations.

Signature of Authorized
Representative for facility Owner

Date

Printed Name

Title

For an existing discharger subject to a new Categorical Standard (not a New Source), check the appropriate box and complete the Signatory Certification by a Qualified Professional:

- I certify that based upon my review of this Permit Application, that all applicable Pretreatment Standards will be met on a consistent basis.
- All applicable Pretreatment Standards will NOT be met on a consistent basis. Attached to the Permit Application is a description that I have reviewed regarding additional pretreatment needed and/or Operation and Maintenance required to meet applicable Pretreatment Standards.

Signature of Qualified Professional

Date

Printed Name and Name of Firm

Title

The Authorized Representative for the Operator, or the Facility, or treatment plant, if different from Authorized Representative of the Industrial User, shall also review the information, sign this application and return it to the City with the completed permit application.

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 upon 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/or imprisonment for knowing violations.

Signature of Authorized
Representative for Operator

Date

Printed Name

Title

Attachment 1

Authorized Representative of the Industrial User:

1. If the Industrial User is a corporation:
 - a. The president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or
 - b. The manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. If the Industrial User is a partnership or sole proprietorship: a general partner or proprietor, respectively;
3. If the Industrial User is a federal, state, or local governmental facility: a director or highest official appointed or designated to oversee the operation and performance of the activities of the government facility, or his or her designee;
4. The individuals described in paragraphs 1 through 3 above may designate another authorized representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company, and the written authorization is submitted to the City.

Industrial User: A source of an indirect discharge or any other industrial or commercial facility or business that has a sewer connection to the POTW, whether or not the Industrial User discharges non-domestic wastewater.

Significant Industrial User (SIU): Except as provided in subparagraph 3, "Significant Industrial User" means:

1. All Industrial Users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N.
2. Any other Industrial User which discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding domestic, noncontact cooling and boiler blowdown wastewater); or contributes a process waste stream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW; or is designated as such by the Director on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's operation; or for violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8 (F)(6), as found in 55 FR 30128, July 24, 1990).
3. Upon finding that an Industrial User meeting the criteria in paragraph 2 above has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirements, the Director may, at any time, on his or her own initiative or in response to a petition received from an Industrial User, and in accordance with 40 CFR 403.8(F)(6), determine that such Industrial User is not a Significant Industrial User.

Attachment 2

City of Tacoma
Industrial Pretreatment Program

SLUG DISCHARGE CONTROL PLAN

Date	
Company Representative (print)	
Representative Title (print)	
Phone Number	

I. General Information

Industrial User/Company Name	
Physical Address	
Mailing Address	
Discharger's Permit Number	
Authorized Representative of the Industrial User	
24-Hour Phone Number	
Email Address	
Secondary Facility Contact	
24-Hour Phone Number	
Email Address	

II. Facility Description

Description of Business Operations	
Operation Hours	
Number of Employees	

III. Slug/Spill Control

Slug Load or Slug Discharge means: Any discharge at a flow rate or concentration which could cause a violation of any Pretreatment Standard or Requirement, as defined by 40 CFR Part 403.3(1) including any discharge of a non-routine, episodic nature, including, but not limited to, an accidental spill or a non-customary batch discharge.

IV. Slug Discharge Control Plan (SDCP)

Prepare and submit a Slug Discharge Control Plan. The Slug Discharge Control Plan shall address, at a minimum, the following:

1. Detailed plans (schematics) showing facility layout and plumbing representative of operating procedures. Attach detailed drawings of facility, including locations of all:
 - Raw materials;
 - Chemicals;
 - Wastes – solid and/or liquid;
 - Floor drains;
 - Discharge points to sewer-floor drains/sinks;
 - Outside exits;
 - Posted notices of emergency contacts; and
 - Storm water drains
2. Description of contents and volumes of any process tanks
3. Description of discharge practices, including non-routine batch discharges
4. Listing of all stored chemicals and raw materials, including location and volumes - include a description of any secondary containment or procedures to isolate these storage areas and visual or audio alarms that used to notify of a spill or slug.
5. Procedures for immediately notifying the City of any spill or Slug Discharge. A notice to employees shall be permanently posted on the Industrial User’s bulletin board or other prominent place advising employees who to call in the event of an accidental or slug discharge. Also provide a copy of the notice for employees.

6. Employers shall ensure that all employees who work in any area where an accidental or slug discharge may occur or originate are advised of the emergency notification procedures. Provide a synopsis of your training program for employees.
7. Procedures to prevent adverse impact from any accidental or Slug Discharge. Provide specific procedures to prevent adverse impact from accidental spills and slug discharges including:
 - Inspection and maintenance of storage areas;
 - Handling and transfer of materials;
 - Loading and unloading operations;
 - Control of plant site run-off;
 - Building of containment structures or equipment;
 - Measures for containing toxic organics (including solvents); and
 - Measures and equipment for emergency response.

V. Notification of Slug Discharge

In the case of any changes at its facility affecting potential for a Slug Discharge or any actual discharge, the Industrial User shall immediately telephone and notify the City of the incident at:

Monday-Friday, 7 am - 3:30 pm: (253-502-2222)

If no answer or at other days/times: (253-591-5595). This notification shall include:

1. Name of the facility;
2. Location of the facility;
3. Name of the caller;
4. Date and time of discharge ;
5. Date and time discharge was halted ;
6. Location of the discharge;
7. Estimated volume of discharge ;
8. A general description of the material that was discharged;
9. Estimated concentration of pollutants in discharge;
10. Corrective actions taken to halt the discharge; and
11. Method of disposal if applicable.

Within five (5) working days following such discharge, the Industrial User shall submit a detailed written report describing the cause(s) of the discharge and the measures to be taken by the Industrial User to prevent similar future occurrences. Such notification shall not relieve the Industrial User of any expense, loss, damage, or other liability which might be incurred as a result of damage to the POTW, natural resources, or any other damage to person or property; nor shall such notification relieve the Industrial User of any fines, penalties, or other liability which may be imposed. Reports shall be provided to:

Pretreatment Coordinator
 City of Tacoma
 2201 Portland Ave East
 Bldg. P-1
 Tacoma WA, 98421

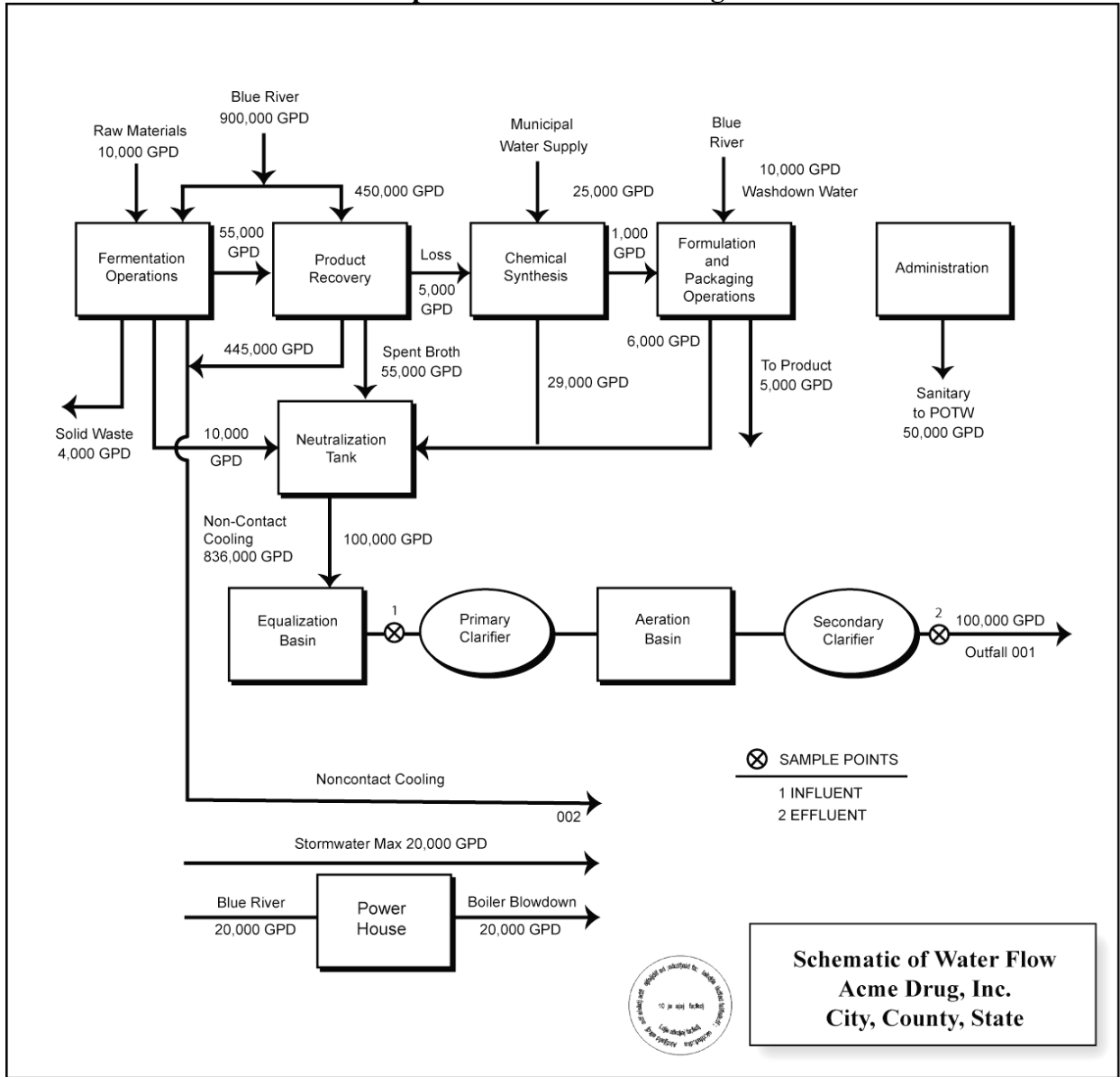
VI. Signature and Certification

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 (print):	
Title:	
Signature of Authorized Representative of the Industrial User:	
Date:	

Attachment 3

Example: Schematic Flow Diagram



Attachment 4

Example: Facility Schematic

