

# Pretreatment Program Industrial User Wastewater Discharge Permit Application

This sewer wastewater discharge permit application document sets forth uniform requirements of data collection for industrial users of the Publicly Owned Treatment Works (POTW) located in the City of Meridian, Idaho to comply with all applicable Local, State and Federal Laws including the Clean Water Act (CWA) and Title 40-Protection of Environment, Code of Federal Regulations (CFR).

New Customers Proposing to Discharge Wastewater:

At least 90 days prior to the anticipated start-up, any new source, which is a source that becomes a sewer discharge user subsequent to applicable Federal Categorical Pretreatment Standards defined as a Categorical Industrial User (CIU), and or user that is later promulgated to these standards, shall apply for a wastewater discharge permit. In addition any new and or present user considered by the City of Meridian to fit the definition of Significant Industrial User (SIU) shall apply for a wastewater discharge permit. <u>A</u> new source or new user classified as a SIU or CIU cannot discharge without first receiving a wastewater Indirect Discharge Permit (IDP) from the City of Meridian.

Wastewater Resource Recovery Facility 3401 N. Ten Mile Road Meridian, Idaho 83646

Please forward the completed form to the address shown above. If you have further questions contact the Pretreatment Manager. Thank you for your cooperation.

# **Overview Information**

## **Compliance with Pretreatment Standards:**

Industrial and commercial facilities that have or will have a process wastewater discharge are required to comply with federal standards and local standards (general and specific prohibitions and specific limits for such pollutants as heavy metals and cyanide), whichever apply or are more stringent. Sections IV, V, and VI require that you make a statement regarding compliance with the "applicable pretreatment standard". In most cases, you may not know which standards apply until the city reviews the general information that you provide. If this is the case, you may wish to submit Section I through III and request that the city provide additional information so that you can complete the remaining sections.

#### **Categorical Standards:**

Industrial waste discharge standards developed by the Environmental Protection Agency (EPA) that are applied to the effluent from any industry in any category anywhere in the United States that discharges to a Publicly Owned Treatment Works (POTW). These are standards based on the technology available to treat the waste streams from the processes of the specific industrial category and normally are measured at the point of discharge from the regulated process. The standards are listed in the Code of Federal Regulations. The categorical industries are listed in Section 1 "Data Disclosure Form" pages 10-11. Facilities not regulated by one of these standards are called "non-categorical users" in this document.

#### Note to Signing Official:

Information must be typewritten or clearly printed. Attach additional sheets keyed to section and item number if needed to provide complete information. Signing officials must have authorization to provide such information on behalf of the company, corporation, or partnership. Please complete a form for each facility that discharges to the city sanitary sewer system.

#### Definitions

Significant Industrial User:

- (1) A user subject to categorical pretreatment standards; or
- (2) A user that:
  - (a) Discharges an average of 25,000 GPD or more of process wastewater to the POTW excluding sanitary, non-contact cooling, and boiler blow down wastewater; or
  - (b) Contributes a process waste stream which makes up five (5) percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or
  - (c) Is designated as such by the City of Meridian on the basis that it has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement.
- (3) Upon a finding that a user meeting the criteria in Subsection (2) has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, the City of Meridian may at any time, on their own initiative or in response to a petition received from a user [and in accordance with procedures in 40 CFR 403.8(f)(6) determine that such user should not be considered a significant industrial user.

#### Categorical Industrial User:

A user regulated by one of EPA's Categorical Pretreatment Standards 40 CFR (displayed on page 10-11).

#### **LEAVE BLANK: City Use Only**

Date Received
Sections Completed:
Sections Due:

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## Instructions; Permit Application Data Disclosure Form (DDF)

This form meets the requirements of Federal Regulations, 40 CFR 403.12(b) and the City of Meridian Sewer Pretreatment City Code, Title 9 Chapter 2 Section 9-2-3-3 Wastewater Discharge Permit Application Contents.

Section I should be filled out by all existing and proposed non-domestic facilities (industrial and commercial establishments). The other sections only need to be completed if the affected facility has process wastewater discharges or proposes to discharge process wastewaters (i.e., the wastewater is not domestic in origin). Process wastewater includes such discharges as <u>spent solvents</u> and <u>chemicals dumped down floor drains, sinks, etc.</u> The city will be verifying data submitted in this form through phone calls and site visits. Please take the time to fill out the form thoroughly.

## Section I -- General Information:

All questions should be answered. <u>If you answer "No" to question # 30 there is no need to go to the</u> <u>following sections. Simply sign the form and submit it to the City at the address shown below.</u> <u>Proposed new businesses and or proposed new processes must answer question # 31 and, if process</u> <u>wastewaters will be discharged, provide best estimates to appropriate questions in Sections II and</u> <u>III.</u>

- 1. Enter the name or title of you business.
- 2. Division if applicable.
- 3. Mailing address.
- 4. Enter facility address where discharge occurs or will occur.
- 5. Give the name of the person who is thoroughly familiar with the facts reported on this form and who can be contacted by the city.
- 6. Emergency contact.
- 7. For existing businesses.
- 8. For new businesses.
- 9. Enter the number of employees on the premises daily. If more that one shift exists, provide employee count per shift.
- 10. A facility that checks off activities listed under (10a) is subject to the EPA categorical pretreatment standards and the city's local pretreatment standards. These facilities are called "categorical users". Businesses that check off activities listed under "b" are called "non-categorical users" and are covered by the city's local pretreatment standards. If you have any questions regarding how to categorize your business activity, contact the city for technical guidance.
- 11. Standard Industrial Classification Number.
- 12. Include all numbers that apply to your business. Leave blank if not known.
- 13. Grease interceptor connected to kitchen operations.
- 14. Interceptor cleaning schedule.
- 15. Examine chemical lists and your Material Safety Data Sheets to assist in completing the attachment.
- 16. Examine inventory of raw materials.
- 17. Disposal services utilized.
- 18. An onsite disposal system could be a septic system, lagoon, holding ponds (evaporative-type).
- 19. Provide a listing of all primary raw materials and chemicals used (or planned) in the facility's operations. Avoid the use of trade names of chemicals. If trade names are used, provide information regarding the active ingredients.
- 20. List storage methods.
- 21. List disposal services.
- 22. Type of permits could be: air, hazardous waste, NPDES for discharges to surface waters.
- 23. Types of chemical storage equipment.
- 24. Floor drains.
- 25. List accidental spill information.
- 26. Accidental Spill Plan.
- 27. Onsite disposal system.

- 28. Future expansion changes.
- 29. Accidental spill history.
- 30. Process wastewater could be discharged via a direct connection to the system through floor drains. If you answer yes, subsequent sections must be appropriately completed.
- 31. New business planning process wastewater discharge, complete Sections II, III, IV, V for existing Categorical User, VI Final Compliance Report (FCR) for existing Users, Attachment A, B, C, D, and E.

## Section II – Water and Wastewater Data

To be completed by all users discharging or proposing to discharge process wastewater into the sanitary sewer system.

## PROVIDE CALCULATIONS TO SUPPORT ALL DATA IN TABLE 1.

- 1. Water Use and Distribution Provide the daily average flows of water received and wastewater discharged in gallons per day for the last 12 months by dividing the total flows by the number of days that a discharge of water occurred (or number of operating days). For the water that is received from other than City of Meridian Water Division or discharged to other than sanitary sewers, enter the location in the column headed "Source" or "Discharge To." Other source locations can include wells and rivers. Other discharge locations can include dry wells and receiving streams. Hourly and daily water supply meter reading may be used, provided the filling and discharge of storage tanks, process vats, etc., are taken into consideration.
  - For estimating sanitary flow, use 15 gallons per day for each employee.
  - Categorical users: Complete item 6, providing flows for each of the regulated processes (process lines).
- 2. A batch discharge is one which results from the draining of storage tanks or process tanks, intermittent boiler blow-down, etc.
- 3. If there are (or will be) batch discharges, indicate:
  - Percent processing discharged a batch
  - Percent processing discharged continuously
  - Number of batch discharges per month
  - Timing of batch discharges (days of week) at (hours of day)
- 4. List existing or proposed plant sewer outlets, size and flow (assign sequential reference number to each sewer outlet).
- 5. General characteristics of wastewater:
  - Temperature
  - PH Level
  - Flammable or explosive materials
  - Fats, oils and grease
  - DOD
  - TSS
  - Solid or viscous material
  - Toxics
  - Solvents
- 6. For Categorical Facilities: provide the flows for each of your regulated processes or proposed regulated process (i.e., manufacturing process line regulated by categorical pretreatment standards).
- 7. Is an inspection and sampling manhole structure available onsite? If yes, describe the location and include as part of the process flow schematic in Attachment D.
- 8. Do you use or plan to use automatic sampling equipment or continuous wastewater flow metering equipment?
- 9. Does your facility pre-treat or plan on pre-treating any wastewater prior to discharge to the sanitary sewer?
- 10. Pretreatment devices or processes used or proposed for treating wastewater or sludge.
- 11. Describe the loading rate, design capacity, physical size, ect of each pretreatment facility checked. If the facility is a proposed facility, attach an engineering report, plans and specifications.
- 12. Are there any planned changes in wastewater treatment?

## Section III – Business/Facility Description

To be completed by all users discharging or proposing to discharge process wastewater into the sewer system.

- 1. Business Activity Describe the principal activity on the premises. For the purpose of completing this Section, an activity is a major class of manufacturing. Enter the Standard Industrial Classification (SIC) Code Number, as found in the 1987 Edition of <u>Standard Industrial Classification Manual</u>, prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office or www. Standard Industrial Classification. DO NOT USE PREVIOUS EDITIONS OF THE MANUAL. Copies are also available for examination at most public libraries. If you do not know you're SIC code, leave the space blank.
  - (a) & (b) If not already provided in Electroplating and Metal Finishing Subcategories Attachment C, list all primary raw materials and chemicals used in the facility's operations. Avoid use of trade names of chemicals.
  - (c) Product List the types of products, giving the common or brand name and the proper or scientific name. Provide from your records the average and maximum amounts produced daily for the activity for the previous calendar year and the estimated daily production for this calendar year. Attach additional pages if necessary.
  - (d) Description Describe the wastewater generating processes occurring on the premises, including any seasonal variation in wastewater discharge volumes, plant operations, raw materials, and chemicals used in the processes and/or production.
  - (e) Substances Discharged Give common (brand Names) and technical names (chemical, scientific or proper names) for each raw material and product that may be discharged to the sewer. Briefly describe the physical (e.g. color) and chemical (e.g. react with water) properties of each substance.
- 2. Discharge Period:
  - (a) Enter the hours of the day for each day during which wastewater from this Business Activity will be discharged to the sewer, e.g. from 6 a.m. to 5 p.m.
- (b) Enter the time and duration of discharges other than continuous flows (e.g. 15 minutes every hour). 3. Variation in Operation:

Indicate whether the business activity is continuous throughout the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.

- 4. See Attachment E for form, instructions and examples.
- 5. See Attachment F for form, instructions and examples.

NOTE: Sections IV – VI will provide the necessary wastewater discharge data to enable the city to establish appropriate pretreatment limits and requirements. Existing Facilities:

If you provide sampling data and certify in either Section IV or V that the facility is presently in compliance with the city's local limit and/or federal categorical pretreatment standards you do not need to complete Section VI.

New Facilities:

A new facility should be in compliance with applicable pretreatment standards upon commencement of discharge and is required to sample and submit Sections IV or V to obtain a permit and submit Section VI when the facility begins operation and commences discharging.

Contact the city if there are any questions on what limits apply to the discharge, what pollutants to sample, and sampling requirements.

## Section IV - Wastewater Characterization

Note: To be completed by existing <u>Non-Categorical</u> Users. Attach additional sheets if needed. Contact the city before sampling, if not sure of pretreatment standards, sampling protocols, etc.

1.(a) Pollutants – List specific pollutants regulated by Meridian city code Title 9, Chapter 2 across the top of the table (use Abbreviations).

Daily Maximum and Monthly Average – Refer to the city code for pretreatment standards for the specific pollutants. Most cities have daily maximum pretreatment standards (limits) and not monthly averages. Reported maximum: - Report the highest maximum concentration for the samples collected and analyzed. Reported average – If more than one sample is taken, average all the individual results and report the average.

I specify unit used, (i.e., grab, flow proportioned composite, etc.), analytical methods, and number of samples taken. Indicate whether samples were taken of combined waste-streams. The industrial user must ascertain whether it can meet the pollutant standards. The type of discharge, i.e., batch, continuous, routine historical information (e.g. existing data pollutant discharge) is a factor that shows proportional composites. Additionally, the time, date of sampling, and methods of analysis must be reported. Analytical methods must be performed in accordance with 40 CFR Part 136 and any amendments thereto. It is important that the samples be representative and taken during full production.

Each daily composite shall be analyzed separately.

- 1.(b) Compare the sample results against local pretreatment standards provided by the city (contained in city code). Describe any additional O&M or pretreatment required and provide an expeditious compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contacts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.
- 2. The qualified professional certification pertains to the actual preparer of the report if different from the authorized representative.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates or for environmental matters at the facility.

## **Section V – Baseline Monitoring Report**

- 1. To be completed by existing Categorical industries
  - a. If a BMR has already been submitted, please indicate this.

b. If more than one report was submitted, specify how many, as well as the submittal dates of each and what agency. Attach the most recent report submitted.

c. Facilities that submitted a BMR that showed they were out of compliance with the pretreatment standards are required to submit periodic compliance reports. The discharger should complete item (d) if reports were submitted to one of the agencies. If a schedule was not developed but construction has occurred, complete item (e) and indicate completion dates. If the facility submitted a BMR, but not the necessary compliance schedule or progress reports, complete Section f & g with projected completion dates.

d. Provide information to whom and when you submitted the Compliance Progress Report (CPR). e. Insert actions item and dates completed as detailed within the most recent Compliance Progress Report (CPR).

f. Check box if items from the CPR have not been accomplished or delayed.

- g. Provide revision to schedule necessary to complete CPR.
- 2. Summary of Regulated Processes. List each regulated process, the production rate (i.e., 10,000 lbs.) of product name/unit of time (week, month, year), the category, and subpart of the applicable Categorical Pretreatment Standard, as well as the SIC code for each process.
- 3. Nature and concentration of Pollutants.
  - a. Analysis of regulated flows
  - b. Specify units used (mg/l or lbs/day)

- c. Sample type (grab, composite)
- d. Number of samples collected
- e. Dates and time samples are collected
- f. Sample collection location
- g. Where samples analyzed
- h. Methods of analyses
- i. Provide name and address of commercial labs that provide analysis
- 4. Total Toxicant Organics (TTOs)

Facilities subject to a TTO pretreatment standard must sample initially for TTOs to determine compliance.

Analysis only need to be performed on toxic organics suspected of being present. Contact city for list of toxics applicable to your operations.

- a. Facilities that utilized none of the toxic organics can provide a certification statement in lieu of having to monitor for toxics.
- b. Presently use or plan to use organics toxicants listed in the categorical pretreatment standards complete Parts c & d.
- c. A BMR has been previously submitted which contains TTO information.
- d. Facilities whose sampling results indicate compliance with TTO standards can develop a solvent management plan in lieu of needing to periodically sample for toxic organics. Contact the city for guidance.
- 5. Compliance Certification
  - a. In order to determine compliance with published or calculated mass-based categorical standards, a facility will need to compare its allowable mass limit (e.g., 00261 lbs of Pb/1,000lbs of steel x 200 lbs of steel produced=0.533 lb of Pb allowed) against the actual mass loading derived from standards for the particular pollutant.
  - b. List additional pretreatment equipment being considered to meet standards.
  - c. Describe any additional O&M or pretreatment requirements and include a compliance schedule. Specify the major events needed to achieve compliance, as will as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided.

6. Qualified Professional Certification

The qualified professional certification pertains to the actual preparer of the report if different from the authorized representative.

## Section VI - EPA Final Compliance Report:

- Existing categorical facilities are required to submit this report within 90 days of the final compliance date contained in the Federal categorical standard. New categorical facilities must submit this report prior to discharge.
- Existing Non-Categorical facilities are required to submit this report within 90 days of the final compliance date specified by the city. New non-categorical facilities are required to submit this report within 30 days of commencement of discharge.

## Section VI – Final Compliance Report:

Provides the sampling data that show that a NEW facility is in compliance. <u>NOTE</u>: Please contact the city before sampling, if you are unsure of pretreatment standards, sampling protocols, etc. <u>EXISTING USERS</u>: Non-Categorical Users Submit the requested information within 90 days of the final compliance date specified by the city. If you indicate in Section IV that you are in compliance with the city's local pretreatment standards, you <u>do not</u> need to fill out Section VI; however, if you indicate in Section IV that you

are not complying with the standards, the city may impose another deadline date and a date for submittal of the information in Section VI.

#### Categorical Users

Submit the information requested within 90 days of the final compliance date specified in the applicable federal categorical pretreatment regulations. If the final compliance date has passed and you indicate in Section V that you are in compliance, you <u>do not</u> need to fill out Section VI. <u>However</u>, if the deadline date has passed and you indicate in Section V that you are not complying, you must fill out Section VI. The city may give you a revised final compliance date and due date for the final compliance report.

#### NEW FACILITIES:

#### Categorical and Non-Categorical

Complete <u>all</u> previous sections and return them to the city. Samples should be taken prior to discharge, a permit must be obtained prior to discharge. Section VI should be completed and returned to the city after commencement of discharge.

#### Non-Categorical Users

Samples should be taken of the final effluent prior to discharge to the city's collection system. If there are multiple discharges of process wastewater to the city's sewer system, provide the analytical results for the multiple discharges on separate pages.

#### Categorical Users

Samples must be taken of the effluent from all regulated process (after treatment, if applicable). Provide the analytical data for the regulated processes in the space provided. Attach additional sheets if necessary. If you are reporting adjustment limits, submit all appropriate calculations and flow data on additional sheets.

2(a) List each regulated process line and process flow.

Pollutants – Across the top, list specific pollutants regulated in the city code.

Daily Maximum and Monthly Average – Refer to city code Title 9, Chapter 2, Section 9-2-2-4 for the specific pollutant. The City of Meridian requires <u>daily maximum concentration</u>, not monthly averages.

Reported maximum: Report the highest maximum concentration for the samples collected and analyzed.

Reported average: If more than on sample was taken, average all the individual results and report the average in the spaces provided for each of the pollutants listed.

For Non-Categorical Users, sample and report on all pollutants specified by the city. Where mass limits apply, the facility must report results on a mass limit basis (concentration x regulated process flow). Attach all calculations. Samples collected must be of representative discharges and taken during peak production. Three samples must be collected each day for three consecutive days. Each daily composite shall be analyzed separately.

For Categorical users, sample and report on all pollutants regulated specific to each process (refer to appropriate subcategory in regulations for regulated pollutants). Where mass limits apply, the facility must report results in mass limits (concentration x regulated process flow in million gallon/day x 8.34 lbs/gal). The Best Available Technology (BAT) pretreatment standards are process-related, i.e., a facility must comply with the standard at the end of the regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling water, and sanitary discharge prior to treatment and discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limit it must meet by (i.e. calculate adjusted limits) employing the Combined Waste-stream Formula that is contained in 40 CFR §403.6(e). If this is the case with your facility, you must employ the formula and provide additional data for calculations. Contact the city for more guidance. Where feasible, samples should be flow-proportional composites. Additionally, the time, date of sampling, and 40 CFR Part 136 analytical methods must be reported. Samples must be taken of discharges representative of typical discharge and must be taken during full production. Each daily composite must be analyzed separately.

Process flows less than 250,000GPD – 3 samples within 2-week period Process flows more than 250,000GPD – 6 samples within 2-week period

Indicate type of samples (i.e., grab, flow-proportioned composite, etc.), analytical methods, and number of samples taken. Indicate whether samples were taken of combined waste-streams. The industrial user must ascertain whether it can meet the applicable pretreatment standards. The type of discharge, i.e., batch, continuous is a factor that should guide the industrial user regarding the number of samples to be taken to ascertain compliance.

3(a) For Non-Categorical Users, compare the sample results against local pretreatment standards set by the city. For Categorical Users:

If Categorical standards are published in concentration units (mg/l), a facility only needs to compare the concentration of the pollutant in its effluent against the published standard for the pollutant.

If Categorical Standards are published as mass-based limits, a facility will need to compare its allowable mass limit (e.g., Pb = 0.002661 lbs Pb/1000 lbs. of steel produced) x 200 lbs of steel produced/day = 0.00053 lbs Pb allowed/day) against the actual mass loading derived from sampling (i.e., [concentration] x regulated process flows (gals/day) x 8.34 lbs/gal = lbs of Pb discharged/day).

4. Describe any additional O&M or pretreatment needed and provide compliance schedule. Specify the major events needed to achieve compliance, as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided. 5. The certification pertains to the actual preparer of the report if different from the authorized

representative.

## **Attachment A – Priority Pollutant Information**

List any of these chemicals that may be present at your facility.

## **Attachment B – Priority Pollutant Synonym Listing**

Indicate any of the listed chemicals that may be present at your facility.

## **Attachment C – Electroplating and Metal Finishing Subcategories**

List any plating activities that apply to your business.

## Attachment D – Principle Raw Materials

List all principle materials used in your facility that are present in your wastewater discharge, (such as cleaning agents, solvents, food processing waste, plating solutions, catalysts, milk wastes, inks, etc.).

#### Attachment E – Schematic Flow Diagram

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from beginning to end of activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharge to the sewer system. Use these numbers when showing this unit process in the building layout in the schematic diagram.

## **Attachment F – Building Layout**

General floor plan layout, include office and equipment areas,

# **DATA DISCLOSURE FORM**

	(Permit App	plication)
1.	Company name	
2.	Division:	
3.	Mailing address:	
	• Street or P.O. Box	
	City, State, and Zip Code	
4.	Facility address:	
	• Street or P.O. Box	
	City, State, and Zip Code	
5.	Person to be contacted about this form:	
	• Name	
	• Title	
	• Phone #Fax #	
	E-Mail address	
6.	Person to be contacted in case of emergency:	
	• Name	
	• Title	
	• Phone #Fax #	
	E-Mail address	
7.	For existing businesses:	_
	• Is the building presently connected to the publi	ic sewer system? Yes [ ] No [ ]
	If yes, please fill in sewer account #:	
	<ul> <li>If no, have you applied for a sewer hook up?</li> </ul>	
8.	For new businesses:	
	• Will you be occupying an existing building? Y	Yes [ ] No [ ]
		applied for a building permit? Yes [ ] No [ ]
	<ul> <li>Building permit number if one has been acquir</li> </ul>	
	<ul> <li>Will you be connected to the public sewer syst</li> </ul>	
9.		schedule:hours/daydays/week
		esses in any of the industrial categories or business
10.		y generate wastewater, waste sludge, or hazardous
	wastes), place a check beside the category or busine	
	a. <u>Industrial Categories</u> 40 CFR Part:	
		] 401 General provisions
		403 General pretreatment regulations for existing & new
	[ ] 405 Dairy Products	sources of pollution
		] 407 Canned & preserved fruits & vegetables processing
	[ ] 408 Canned & preserved seafood processing[	
	[ ] 410 Wool scouring [	] 411 Cement mfg
	[ ] 412 Concentrated animal feeding operations [	] 413 Electroplating (if checked, complete Attachment B)
	[ ] 414 Organic chem. plastics, & synthetic mfg[	] 415 Inorganic chemicals mfg
	[ ] 416 Reserved [	] 417 Soap & detergent mfg
	[ ] 418 Fertilizer mfg [	] 419 Petroleum refining
	[ ] 420 Iron & steel mfg [	] 421 Nonferrous metals mfg
	[ ] 422 Phosphate mfg [	] 423 Steam electric power generating
	[ ] 424 Ferroalloy mfg [	] 425 Leather tanning & finishing
	[ ] 426 Glass mfg [	] 427 Asbestos mfg
	[ ] 428 Rubber mfg [	] 429 Timber products processing – List Operations
	[ ] 430 Pulp, paper and paperboard mfg [	] 431 Reserved
	[ ] 432 Meat products [	] 433 Metal finishing (if checked, Complete Attachment B)
	[ ] 434 Coal mining [	] 435 Oil & gas extraction
	[ ] 436 Mineral mining & processing [	] 437 The centralized waste treatment
	[ ] 438 Metal products & machinery [	] 439 Pharmaceutical mfg

	[ ] 440 Ore mining & dressing	[ ] 442 Transportation equipment cleaning
	[ ] 443 Paving/roofing materials (tars/asphalt)	
		[ ] 446 Paint formulating
		[ ] 454 Gum & wood chemicals mfg
	[ ] 455 Pesticide chem mfg. formulating, pkg,	
	Re-pkg	
		[ ] 459 Photographic (>1600 sq ft product per day)
		[ ] 461 Battery mfg
		[ ] 464 Metal molding & casting
	[ ] 465 Coil coating	[ ] 466 Porcelain enameling
	[ ] 467 Aluminum forming	<ul> <li>[ ] 466 Porcelain enameling</li> <li>[ ] 468 Copper forming</li> <li>[ ] 471 Nonferrous metals forming &amp; metal powders</li> </ul>
	[ ] 469 Electrical & electronic components	[ ] 4/1 Nonferrous metals forming & metal powders
	Standard Industrial Classification Number(s) (SIC	
	Do you or will you discharge oils, grease, or fats	
		eptor in your sewer connection? Yes [ ] No [ ]
14.		and grease interceptor?
	How do you dispose of trapped oil and grease?	
15.	Toxic pollutants; Regardless of whether you discl	harge wastewater, please complete Attachment A –
	List of Priority Pollutants.	
16.	Raw materials list: Please provide a listing in Atta	achment C.
17.	Are any liquid wastes or sludge from this facility	disposed of by means other than discharge to the
	sewer system? Yes [ ]No [ ]	
	IF "NO", SKIP ITEMS 18 THRU 22.	
18.		Estimated gallons or pounds per year
	[ ] Acids and alkali	
	Image: The state of the state	
	[ ] Inks/dyes	
	[ ] Oil and/or grease	
	[] Organic compounds	
	[ ] Paints	
	[ ] Pesticides	
	Image: Plating wastes	
	[ ] Pretreatment sludge	
10	[ ]Other hazardous wastes (specify)	
19.	For the above checked wastes, indicate your stora	ige and disposal practices:
	[ ] Onsite storage[ ] Offs[ ] Onsite disposal[ ] Offs	site storage
•		
20.	Briefly describe the method(s) of storage or dispo	osal checked above:
21.	For offsite storage and disposal, provide name of	hauler and facility receiving wastes:
22.	Have you been issued a local, state, or federal env	vironmental permit? Yes [ ] No [ ]
	If yes, please list the permit(s):	
23.		ners, bins, or ponds at your facility? Yes [ ] No [ ]
	If yes, please attach a description of their location	
	cleaning. Indicate if buried metal containers have	catholic protection.
24.	Do you or will you have floor drains in your man	ufacturing or chemical storage area? Yes [ ] No [ ]
25.	If you have chemical storage containers, bins, por	nds, or floor drains in your manufacturing area, could
	an accidental spill lead to a discharge to:	
	[ ] Onsite disposal system	
	[ ] Public sewer system (e.g. through a floor dra	in)
	[] Storm drain	,
	[ ] To ground	
		able (no possible discharge to any of the above routes.
		and the possible discharge to any of the above foulds.

- 26. Do you have an accidental spill prevention program to prevent spills of chemicals or slug discharges from entering the city's collection system? Yes [] No [] Submit ASPP if applicable.
- 27. Do you or will you discharge wastewater (other than domestic waste from bathrooms, toilets, etc.) to an onsite disposal system? Yes [ ] No [ ] If yes, please attach a description of the discharge and onsite disposal system. Also indicate if the contents are removed, by whom, and the ultimate disposal site.
- 28. Are any process changes or expansions planned during the next three years? Yes [ ] No [ ] If yes, attach a separate sheet to this form describing the nature of planned changes or expansions.
- 29. Please describe on a separate sheet previous spill events and remedial measures taken to prevent their reoccurrence.
- 30. Do you or will you discharge wastewater (other than domestic waste from bathroom, toilets, etc.) to the public sewer system? Yes [ ] No [ ]. If you answered YES, please answer all applicable questions on the following pages. If you answered NO, no further information is required; simply sign on the appropriate spaces on the following page.
- 31. <u>New businesses (not operating yet or proposing to discharge)</u>: If you plan on discharging process wastewater, complete appropriate parts of Section II & III with your best estimates. Retain Section VI and complete it within 30 days of commencement of discharge.
  - Are you:
    - [ ] A new business planning to occupy and existing vacant building?
    - [ ] A new business planning to construct a new building?
    - [ ] An existing business proposing to discharge process wastewater?
  - If you plan on discharging process wastewater, will a pretreatment system be constructed to treat the proposed discharge? Yes [ ] No [ ]. If yes, describe the treatment system, (Provide a copy of plans and specifications to the city).
  - Provide below a compliance schedule for the following applicable items (best estimate):
    - construction and completion of physical structure (building) and manufacturing process lines;
       construction schedule for pretreatment system sampling manhole and monitoring
    - instrumentation (flow meters, pH meters, etc.);
    - 3) proposed date for operation of manufacturing operation;
    - 4) proposed date for commencement of discharge; and
    - 5) development of an Accidental Spill Prevention Program (ASPP).
    - 6) construction of facility and manufacturing process lines (commencement and completion date):\_\_\_\_\_
    - 7) construction of pretreatment facility and sampling manhole and monitoring instrumentation (commencement and completion dates):\_\_\_\_\_
    - 8) Operational date:\_\_\_\_
    - 9) Date for commencement of discharge:\_\_\_\_\_
  - 10) Date for submittal of ASPP:\_\_\_\_\_

#### Confidentiality

Please indicate those sections of this questionnaire that you wish to remain confidential and your basis for requesting confidentiality.

#### Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the federal General Pretreatment Regulations and amendments thereto and in the city's sewer use ordinance. I certify that Pretreatment Standards are being met on a consistent basis, and, if not, that the following operation and maintenance changes and/or additional pretreatment measures will be required to meet the Pretreatment Standards and Requirements. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name (print)	Phone			
Signature	Title	Date	/	/

#### Authorized Representative Statement:

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. I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my 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. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

Name (print)	Phone			
Signature	_ Title	Date	/	/

# **SECTION II – WATER and WASTEWATER DATA**

1. Water use and distribution - average flow of water received and wastewater discharged daily in gallons per day (for new businesses, estimate flows).

TABLE 1

WATER USED FOR:	SUPPLY FROM	DISCHARGED TO
Samitana anna	Water District Other Source Sa	anitary Sewer Other Source
Sanitary sewer		
Processes (see #6 for categorical users)		
Boiler/Cooling Tower		
Contact Cooling Water		
Non-Contact Cooling Water		
Washing (equipment wash-down)		
Irrigation		
Air Pollution Control		
Contained in Product		
Surface Water		
Waste Hauler		
Other (Describe)		
TOTAL		
Water Account Number:	Sewer Account Number	
2. Are the discharge (or will the discharge	arges be) batch [ ] or continuous	[ ]?
3. If there are (or will be) batch discha		
	ged a batch	
<ul> <li>Percent processing dischar</li> <li>Percent processing dischar</li> </ul>	ged continuously	
Number of batch discharge	es per month	
Timing of batch discharges	s (days of week) at	(hours of day)
Flow rate	gallons/minute	
NOTE: The city may require that an Er	ngineer perform a tractability study to	be submitted with the
application.		
4. List existing or proposed plant sewer sewer outlet):	er outlets, size and flow (assign sequer	ntial reference number to each
Reference No. Sewer Size (inches)	Description of location of sewer	Daily Average Flow
Connection or discharge point (GP	-	
(er	2)	

5. General characteristics of wastewater: (provide specific values for a, b, d, e, f, if known)

- (a) Temperature:
   Don't know []

   (a) PH Level:
   Don't know []
- (b) Flammable or explosive materials: Yes [ ] No [ ] Don't know [ ]
- (c) Fats, oils and grease (mg/l):\_\_\_\_\_ Don't know [ ]
- (d) DOD (mg/l):
   Don't know []

   (e) TSS (mg/l):
   Don't know []
- \_\_\_ Don't know [ ] (e) TSS (mg/l):
- (f) Solid or viscous material Yes [ ] No [ ] Don't know [ ]
- (g) Toxics: Yes [ ] No [ ] Don't know [ ] REVIEW ATTACHMENT "A" AND COMPLETE FORM.
- (h) Solvents: Yes [ ] No [ ] Don't know [ ]

# 6. For categorical facilities: provide the following flows for each of your regulated processes or proposed regulated process (i.e., manufacturing process line regulated by categorical pretreatment standards).

- a. Total Plant Flow discharged to the sewer system:
  - Average\_\_\_\_\_ gallons per day (GPD) Maximum\_\_\_\_ GPD

b. Individual Process Flows in Gallons Per Day (GPD)

No.     Regulated Process     Average Flow (G	
7. Is an inspection and sampling manhole stru If YES, describe location here and include	cture available onsite? Yes [ ] No [ ] as part of the process flow schematic in Attachment D.
equipment? Current: Flow Metering Yes [ ]No [ ] N Planned: Flow Metering Yes [ ]No [ ] N	A [ ]Sampling Equipment Yes [ ]No [ ]N/A [ ] A [ ]Sampling Equipment Yes [ ] No [ ]N/A [ ] A [ ] Sampling Equipment Yes [ ] No [ ] N/A [ ] cation of this equipment on the sewer schematic in
<ol> <li>Does you facility pre-treat or plan on pre-tr Yes [] No [] NA []</li> <li>Pretreatment devices or processes used or</li> </ol>	eating any wastewater prior to discharge to a sanitary sewer? proposed for treating wastewater or sludge (check as many
as appropriate).          []       Air flotation         []       Centrifuge         []       Chemical precipitation         []       Chlorination         []       Chlorination         []       Cyclone         []       Filtration         []       Flow equalization         []       Grease or oil separation, type         []       Grease interceptor         []       Grinding filter         []       Grit removal         []       Ion exchange         []       Ozonation	[]       Reverse osmosis         []       Screen         []       Sedimentation         []       Septic tank         []       Solvent separation         []       Solvent separation         []       Spill protection         []       Sump         :       []         Biological treatment, type:         []       Rainwater diversion or storage         []       Other chemical treatment         []       Other physical treatment, type:         []       Neutralization, pH, correction         []       Other, type:
	hysical size, etc. of each pretreatment facility checked h engineering report, plans, and specifications.

12. Are there any planned changes in wastewater treatment? Yes [ ] No [ ] If yes, describe below.

# **SECTION III – BUSINESS and OPERATIONS DESCRIPTION**

PURPOSE – The business description is primarily used to determine the substances which may enter into the wastewater discharge from the business activity.

1. <u>Business activity</u> - (Complete a separate sheet for each major business activity or product line on the premises).

Activity:
-----------

\_\_\_\_\_\_ SIC Nos.:\_\_\_\_\_

a. Raw materials used or planned for use:

b. Principle chemicals used or planned for use:

c. <u>Products</u> \* <u>TYPE OF PRODUCT</u> (Brand Names)

PAST CALENDAR YEAR Daily Production Average Maximum

CURRENT YEAR ESTIMATE Daily Production Average Maximum

d. <u>Description</u> – Describe each wastewater generating operation or manufacturing process. Indicate variations in production and operations during the year. (Use additional sheets as necessary.)

e. <u>Substances Discharged</u> – Give common and technical names of each major raw material and product that may be discharged to the sewer. Briefly describe the physical and chemical properties of each substance and product. (Use additional sheets if necessary.)

NAME

**DESCRIPTION** 

.Discharge Period
. Hours of Day Operated or planned:
Monday Tuesday Wednesday Thursday Friday Saturday Sunday
. Time Duration of Discharge or planned:
Monday Tuesday Wednesday Thursday Friday Saturday Sunday
. Variation of Operation
Is the business or proposed activity:
Continuous through the year [ ] Seasonal [ ]
Circle the months of the year during which discharge occurs: J F M A M J J A S O N D

\* A New Business may provide best estimates.

# SECTION IV. WASTEWATER CHARACTERIZATION

Note: Samples should be taken of the final effluent prior to discharge to the city's collection system. If there is more than one discharge of process wastewater to the city's sewer lines, provide a separate page for each discharge.

- 1. <u>Existing Non-Categorical Facility</u> (report results in concentrations (mg/l) or mass (lbs/day))
  - a. Each non-categorical facility must sample, analyze, and report on all pollutants as specified by the city. Where mass limits apply, the facility must report results on a mass limit basis (concentration x regulated process flow). Attach all calculations.
  - b. Samples collected must be representative and taken during peak production. <u>Three</u> samples must be collected each day for three consecutive days and must be analyzed separately.

Pollutant					
Monthly Avg. Limit					
Reported Avg.					
Daily Maximum					
Limit					
Reported Maximum					

POLLUTANT LEVELS	OF PROCESS	WASTEWATER	DISCHARGES

Specify unit used (mg/l or lb/say):
Sample type (grab, composite):
Number of samples collected (explain):
Dates and times samples collected:
Sample collection leation:
Where are samples analyzed?
Methods of analyses:
Provide name and address of commercial labs that provide analysis:
Name:
Address
Name:
Address
c. Compliance certification:
Are all applicable pretreatment standards being met on a consistent basis? Yes [ ] No [ ]
If not, what additional operations and maintenance procedures are being considered for compliance?

List additional pretreatment being considered to meet standards.

Provide a compliance schedule for standards to be met. Specify the major events along with corresponding dates. Note that this schedule will require comment by the city and will be subject to modifications.

## 2. <u>Qualified Professional Certification:</u>

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the federal General Pretreatment Regulations and amendments thereto and in the city's sewer use ordinance. I certify that Pretreatment Standards are being met on a consistent if not, that the operation and maintenance changes and/or additional pretreatment measures detailed above will be required to meet the Pretreatment Standards and Requirements. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name (print)		Phone	
Signature	Title	Date	//

## Authorized Representative 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. I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my 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. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

Name (print)	Pho	one
Signature	Title	Date//

## **SECTION V – BASELINE MONITORING REPORT**

kisting Categorical User				
a. Baseline Monitoring Report(s) (Bl			[ ] was not sub	omitted
IF NOT submitted, complet	e subsections 21	thru 6.		
b. The BMR was submitted to:				
<ul><li>[ ] Local Municipality on:</li><li>[ ] State Agency on:</li></ul>				
[ ] USEPA, Region 10 on:				
PLEASE ATTACH THE MOST RE				
c. Compliance Progress Reports (CP			[] were not su	bmitted
IF NOT submitted, complet				
d. The reports were submitted to: (lis		-, -, 8,FF-		
[ ] Local Municipality:				
State Agency:/				
[ ] U.S.EPA, Region 10:_	//	_		
PLEASE ATTACH THE M	IOST RECENT	COMPLIANCE PI	ROGRESS REP	ORT.
e. Compliance Schedule:				
Action Items		Completi	ion Dates	
not achieved final compliance. The taken to return to schedule are sho				
g. The revised schedule for achieving	g compliance is a	as follows:		
Action Items		Completion Dates	5	
		//	_	
		//	_	
		//	_	
		//	_	
2 Summerize Each Deculated Dec		//	_	
2. Summarize Each Regulated Proce Process Description I		Drotrootmont	Subport	Flow
Process Description I	Production Rate	Standard	<u>Subpart</u>	<u>Flow</u> (GPD)
		<u>Category</u>		
Total plant flow:	GPD	)		
3. Nature and concentration of Pollut			or mass in lbs/da	av):
	× r · · · · · · · · · · · · · · · · · ·	8-		• /

a. Analysis of Regulated Flows

The industrial user must perform sampling and analysis of the effluent from all regulated process (after treatment, if applicable). Provide the analytical data for effluent from the regulated processes in the space provided below. Attach additional sheets if necessary. Only those pollutants specifically regulated by the applicable category need to be reported. Refer to instructions for information on where to take samples and how many samples to take. If the effluent samples were taken at one

combined point, indicate on the <u>regulated process</u> line what process flows are commingled at this point.

Regulated Process Line(s):\_\_\_\_\_

Average daily process flow(s) (mgd):\_\_\_\_\_

Pollutant					
Mo. Avg. Limit					
Reported Avg.					
Daily Max.					
Limit					
Reported Maximum					
Maximum					

#### POLLUTANT LEVELS OF PROCESS WASTEWATER DISCHARGES

b. Specify units used (mg/l or lbs/day):\_\_\_\_\_

c. Sample type (grab, composite):\_\_\_\_\_

d. Number of samples collected (explain):

e. Dates and time samples collected:\_\_\_\_\_

f. Sample collection location:\_\_\_\_\_

g. Where samples analyze\_\_\_\_\_

h. Methods of analyses:\_\_\_\_\_

I Provide name and address of commercial labs that provide analysis:

 Name:
 Address:

 Name:
 Address:

4. Total Toxicant Organics (TTO's);

Facilities that use toxic organics listed by EPA in its published categorical pretreatment standards are required to meet TTO pretreatment standards and must initially sample for TTO's to determine compliance. Facilities found to be in compliance with TTO standards may develop a solvent management plan in lieu of having to periodically sample for toxic organics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for TTO's but you must answer question "a" below.

- a. We presently do not use nor do we plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published in the 40 CFR §405—471 Yes [] No []
- b. We presently use or plan to use organic toxicants listed in the categorical pretreatment standards Yes [ ] No [ ] If yes complete parts c and d.
- c. A BMR has been submitted previously which contains TTO information Yes [ ] No [ ]

d. A solvent management plan has been developed and is attached. Yes [] No [] pliance certification:

5. Compliance certification:

a. Are all applicable pretreatment standards, including categorical standards, being met on a consistent basis? Yes [ ] No [ ]

If not, what additional operation and maintenance procedures are being considered for compliance?

b. List additional pretreatment being considered to meet standards.

c. Provide a compliance schedule for standards to be met. Specify the major events along with corresponding dates. Project increments of progress indicating dates for the commencement and completion of major events leading to compliance with the standard. Note; The final compliance date in this schedule shall not be later than the compliance date for the applicable pretreatment

standard. Written progress reports are required within 14 days of each of the compliance milestones specified in the compliance schedule. Note that this schedule will require comment by the city and will be subject to modification.

#### 6. Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the federal General Pretreatment Regulations and amendments thereto and in the city's sewer use ordinance. I certify that Pretreatment Standards are being met on a consistent basis, and, if not, that the operation and maintenance changes and/or additional pretreatment measures detailed above will be required to meet the Pretreatment Standards and Requirements. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name (print)		_ Phone
Signature	Title	Date//

#### Authorized Representative 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. I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my 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. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

Name (pri	nt)	Phone	
Signature_	Title	Date//	_

# SECTION VI – FINAL COMPLIANCE REPORT (FCR)

## 1. Existing Users

- a. A final Compliance Report (FCR) [ ] was submitted [ ] was not submitted If Not submitted, complete parts 2 through 5
- b. The FCR was submitted to:
  - [ ] Local Municipality:\_\_\_/\_\_\_/
  - [ ] State Agency:\_\_\_/\_\_\_/
  - [ ] USEPA Region 10:\_\_\_/\_\_/
- b. If a FCR has previously been submitted, was your facility in compliance with the applicable standards?
  - [ ] Yes, Please submit a copy of your previous FCR that indicates compliance. You do not need to complete the rest of Section VI.

[ ] No, You are required to perform additional sampling and complete parts 2 through 5 below.

d. Total Toxicant Organics (TTO's):

Categorical users who use toxic organics listed by EPA in its categorical pretreatment standards are required to meet TTO pretreatment standards and must initially sample for TTO in order to determine compliance. Facilities found to be in compliance with TTO standards may develop a solvent management plan in lieu of periodically sampling for toxic organics. If you do not use toxic organics in your manufacturing process, you will not be required to sample for TTO, but you must answer question #1 below.

 Do you use or plan to use any of the toxic organics that are listed under the TTO standard located in the applicable categorical pretreatment standards published by EPA? Yes [] No [] If YES, please complete parts 2 and 3 of this subsection. If NO, skip to subsection 2.

2. Have you already complied with the requirements for TTO sampling? Yes [ ] No [ ]

If YES, please submit a copy of the information.

- 3. A solvent management plan has been developed and is attached. Yes [ ] No [ ]
- 2. <u>Nature and Concentration of Wastewater Pollutants</u>
  - a. Analysis of Regulated Flows

Categorical User; must perform sampling and analysis of the effluent from all regulated

process (after treatment, if applicable). Provide the analytical results for the regulated effluent below. Attach additional sheets if necessary. If you are reporting adjusted limits, submit all appropriate calculations and flow data on additional sheets Refer to the instructions on where to take samples and how many samples to take.

<u>Non-Categorical User</u>: sampling should be conducted on the final effluent prior to discharge to the city's collection system. If there are multiple discharges of process wastewater to the city's sewer system, submit separate pages for each discharge.

Only those pollutants specifically regulated by EPA's applicable categorical standard or specified by the city in its local limits need to be reported. If the effluent samples are taken at one combined point, indicate alongside the <u>regulated process line</u> what process flows are commingled at this point.

Regulated Process line:\_

Process Flow(s) (Avg. daily):

NOTE: Report concentration (mg/l) or mass (lbs/day).

## POLLUTANT LEVELS OF PROCESS WASTEWATER DISCHARGES

Pollutant					
Monthly Avg. Limit					
Reported Average					
Daily Maximum Limit					
Reported Maximum					

b. Sample type (grab, composite):\_\_\_\_

c. Number of samples collected (explain):	
d. Dates and times samples collected:	
e. Sample collection location:	
f. Where samples analyzed:	
g. Methods of analyzed:	
h. Name and address of commercial lab performin	ng analyses:
Name:	_ Address:
Name:	Address:

3. Compliance Certification

a. Are all applicable pretreatment standards, including categorical standards, being met on a consistent basis? Yes [ ] No [ ]

b. If NO, do you require:

- Additional operation and maintenance (O & M) measure to achieve compliance? Yes [ ] No [ ]
- New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]
- 4. If additional O & M or new or additional pretreatment facilities will be required to meet categorical pretreatment standards on a consistent basis, attach a description and a schedule on separate sheets. Project increments of progress indicating dates for the commencement and completion of major milestones leading to compliance with the standard.

**NOTE:** The final compliance date in this schedule shall not be later than the compliance date for the applicable categorical standard. Written progress reports are required within 14 days of each of the milestone dates specified in the compliance schedule.

Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the federal General Pretreatment Regulations and amendments thereto and in the city's sewer use ordinance. I certify that Pretreatment Standards are being met on a consistent basis, and, if not, that the operation and maintenance changes and/or additional pretreatment measures detailed above will be required to meet the Pretreatment Standards and Requirements. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

 Name (print)\_\_\_\_\_
 Phone\_\_\_\_\_

 Signature\_\_\_\_\_
 Title\_\_\_\_\_
 Date\_\_\_/\_\_\_\_

#### Authorized Representative 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. I have personally examined and I am familiar with the information in this report and all attachments therein. Furthermore, based on my inquiry of those persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my 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. I further certify that the sampling results reported are representative of normal work cycles and expected pollutant discharges.

Name (print)	Phone			
Signature	Title	Date/	//	/

# ATTACHMENT A

# **PRIORITY POLLUTANT INFORMATION**

Please indicate by placing an "X" in the appropriate space by each listed chemical whether is suspected to be absent, known to be absent, suspected to be present, or known to be present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to the Priority Pollutant Synonym Listing for those compounds which have and asterisk (\*).

CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOW PRESENT
Ammonia				
Asbestos (fibrous)				
Cyanide (total)				
Antimony (total)				
Arsenic (total)				
Beryllium (total)				
Cadmium (total)				
Chromium (total)				
Copper (total)				
Lead (total)				
Mercury (total)				
Nickel (total)				
Selenium (total)				
Silver (total)				
Thallium (total)				
Zinc (total)				
Acenaphthene				
Acenaphthylene				
Acrolein				
Acrylonitrile				
Aldrin				
Anthracene				
Benzene				
Benzidine				
Benzo(a)anchracene *				
Benzo(a)pyrene *				
Benzo(b) fluoranthene				
Benzo(g, h, I) perylene *				
Benzo(k)fluoranthene *				
a-BHC(alpha)				
b-BHC(beta)				
d-BHC(delta)				
g-BHC*(gamma)				
Bis )2-chloroethyl) ether*				
Bis (2-chloroethoxy) methane*				
Bis (2-chloroisopropyl) ether*				

Bis (chloromethvl) ether*			
Bis (2-ethylhexyl) phthalate*			
Bromodichloromethane*			
Bromoform*			
Bromomethane*			
4-bromophenylphenyl ether			
Butylbenzyl phthalate			
Carbon tetrachloride*			
Chlordane			
4-chloro-3-methylphenol*			
Chlorobenzene			
Chloromethane*			
2-chloroethylvinyl ether			
Chloroform*			
Chloromethane*			
2-chloronaphthalene			
2-chlorophenol*			
4-chlorophenylphenyl ether			
Chrysene*			
4,4' – DDD *			
4,4' – DDE *			
4,4' – DDT *			
Dibenzo (a.h) anthracene*			
Dibromochloromethan *			
1,2 – dichlorobenzene *			
1,3 – dichlorobenzene *			
1,4 – dichlorobenzene *			
3,3 – dichlorobenzidine			
Dichlorodifluoromethane *			
1,1 – dichloroethane *			
1,2 – dichloroethane *			
Trans – 1,2 – dichloroethene *			
2,4 – dichlorophenol			
1,2 – dichloropropane *			
$\frac{1}{(\text{cis & trans})}$ $\frac{1}{1,3}$ -			
dichloropropene *			
Dieldrin			
Diethvl phthalate *			
2,4 – d imethvlphenol *			
Dimethvl phthalate			
Di – n – butyl phthalate			
Di - n - octyl phthalate *			
4,6 - dinitro - 2 - methylphenol			
2,4 – dintrophenol			
2,4 – dintrotoluene			
,		l	I

2,6 – dinitrotoluene			
1,2- diphenylhydrazine*			
Endosulfan I *			
Endosulfan II *			
Endosulfan sulfate			
Endrin			
Endrin aldehyde			
Ethylbenzene			
Fluoranthene			
Fluorine*			
Heptachlor			
Heptachlor epoxide			
Hexachlorobenzene*			
Hexachlorobutadiene			
Hexachlorocyclopentadiene*			
Hexachloroethane*			
Indeno (1, 2, 3, - cd) pyrene*			
Isophorone*			
Methvlene chloride*			
Naphthalene			
Nitrobenzene			
2-nitrophenol*			
4-nitrophenol*			
n-nitrosodimethylamine*			
n-nitrosodipropylamine*			
n-nitrosodiphopylamine*			
PCB -1016 *			
PCB – 1221*			
PCB – 1232 *			
PCB – 1242 *			
PCB – 1248 *			
PCB – 1254 *			
PCB – 1260 *			
Pentachlorophenol			
Phenanthrene			
Phenol			
Pyrene 2, 3, 7, 8, - tetrachlorodibenzo –			
$p - dioxin^*$			
1, 1, 2, 2, - tetrachloroethane*			
Tetrachloroethene*			
Toluene*			
Toxaphene			
1, 2, 4, - trichlorobenzene	 		
1, 1, 1, - trichloroethane*			
1, 1, 2, - trichloroethane*			
Trichloroethene*			
Trichlorofluoromethane*			

2, 4, 6, - trichlorophenol		
Vinyl chloride*		

# 2. For chemical compounds in #1 above which are indicated to be "known present," please provide the following data for each: (attach additional sheet, if needed).

No.	CHEMICAL COMPOUND	ESTIMATED ANNUAL	DISCHARGED TO
	KNOWN PRESENT	USAGE (lbs)	SEWER (lbs/year)

# ATTACHMENT B

# PRIORITY POLLUTANT SYNONYM LISTING

benzo(a)pyrene 1,2-benzinthracene 2,3-benzinthracene 3,4-benzopyrene 4,6-dinitro-2-methylphenol 4,6-dinitro-ortho-cresol benzo(a)pyrene 1,12-benzoperylene 1,2-dipherylhyltarizine hydrazobenzene endosulfan line a-endosulfan-beta 1,12-benzoperylene endosulfan line a-endosulfan-beta 1,12-benzoperylene endosulfan line a-endosulfan-beta bis(2-chloroethylphethe 2,2-dichloroethyl ether 4,2-dinkloroethylpethe 2,2-dichloroethyl ether 4,2-dinkloroethylpether 2,2-dichloroethyl ether 4,2-dinkloroethylpether 2,2-dichloroethyl ether 4,2-dichloroethane 2,2-dichloroethyl ether 4,2-dichloroethane 2,2-dichloroethyl ether 4,2-dichloroethane 2,2-dichloroethyl ether 4,2-dichloroethane 4,3-dirovel/openatedic perchloroechane bromodichloromethane 4,3-dirovel/openatedic perchloroechane 2,3-ortho-phenylene pyrene dichlorobromethane 4,4-nitrophenol 4,6-dinitrophenol 4,6-dinitrophenol 4,6-dinitrophenol 4,6-dinitrophenol 4,2-dichloroethylpether 4,2-dichloroethylpether 4,2-dichloroethane 4,4-nitrophenol 4,6-dinitrophenol 4,6-dinitroph	bezzo(a)anthracene         1.2-benzaptenanthracene         diotyl phthalate         di-2-thylipexylphthalate           benzo(a)pyrene         3.4-benzopyrene         4.6-dinitro-2-methylphenol         4.6-dinitro-2-methylphenol         4.6-dinitro-2-methylphenol           benzo(k)[horoathene         1,12-benzoperylene         1,2-diphenylhyltrzine         4.6-dinitro-2-methylphenol         4.6-dinitro-2-methylphenol           bit2 c-hloroathene         1,2-diphenylhyltrzine         a-cndosallian         a-cndosallian         benzo(k)[horoathene         a-cndosallian-bta           bit3 c-hloroathene         2.2-dichloroathene         methane         cndosallian         benzo(k)[horocyclopentaldiene         perchlorocyclopentaldiene           bit3 c-hloroathene         2.2-dichloroathene         perchlorocyclopentaldiene         perchlorocyclopentaldiene         perchlorocyclopentaldiene           bit3 c-hloroathane         di-horobromomethane         indonoid (3, 3-cd) pyrene         3, 5-trimethylp-2-cyclobexcn-1-one           bit3 c-hloroathane         methyl bromide         2-hitrophenol         ortho-chloroathane         perchloroathane           bromomethane         methyl bromide         2-hitrophenol         ortho-chloroathane         perchloroathane           c-horophenol         notho-chlorophenol         Nnitrosodipropylamine         Nnitrosodiphenylanine         diphorolihini phinitrophenol <th>CHEMICAL COMPOUND</th> <th>SYNONYM</th> <th>CHEMICAL COMPO</th> <th>UND SYNONYM</th>	CHEMICAL COMPOUND	SYNONYM	CHEMICAL COMPO	UND SYNONYM
2.3-berzaphenanthrene     2.4-berzaphenanthrene     4.6-dinitro-2-methylphenol     4.6-dinitro-ortho-cread       berzzo(g.h.Uperylene     1.12-benzoperylene     1.2-diphenylhydrazine     hydrazobenzene       berzzo(g.h.Uperylene     1.12-benzoffuoroathene     indane     hydrazobenzene       berzzo(k.phroethyl)(bther     2.2-dichloroethyl ether     fluorine     indane       bis(2-chloroethoxy) methane     2.2-dichloroethoxy methane     perchloroechane     perchloroechane       bis(2-chloroethoxy) methane     2.2-dichloroethoxy methane     perchloroechane     perchloroechane       bis(2-chloroethoxy) methane     2.2-dichloroethoxy methane     perchloroechane     perchloroechane       bis(2-chloroethoxy) methane     2.2-dichloroechany methane     perchloroechane     perchloroechane       bis(2-chloroethoxy) methane     2.3-dichloroechany methane     perchloroechane     perchloroechane       bromodichloromethane     methyl bromide     2-nitrophenol     para-nitrophenol       carbon tetrachloride     tetrachloride     4-nitrophenol     para-nitrophenol       chloromethane     methyl bloride     PCB-1016     Arochlor-121       chloromethane     methylchloride     N-nitrosodiptenylamine     Arochlor-1242       chloroothane     methylchloride     N-nitrosodiptenylamine     Arochlor-1242       chlorophenol     ortho-chlor	2.3-berraphenambrene     2.4-berraphenambrene     4.6-dinitro-2-methylphenol     4.6-dinitro-ortho-cread       berrav(a)prene     1.12-berraphenambrene     4.6-dinitro-2-methylphenol     4.6-dinitro-ortho-cread       berrav(a)prene     1.12-berraphenambrene     4.6-dinitro-2-methylphenol     4.6-dinitro-ortho-cread       berrav(a)prene     1.12-berraphenambrene     4.6-dinitro-dini				
hemzogh/prevene       3.4-benzopyrene       4.6-dinitro-2-methylphenol       4.6-dinitro-active hydrazobenzene         benzogh/prevene       1.12-benzoprevene       1.2-dinitro-active hydrazobenzene       hydrazobenzene         benzogh/prevene       1.2-dinitro-active hydrazobenzene       hydrazobenzene       hydrazobenzene         bis(2-chioredhylothe       2.2-dichioroethylothe       a-endosalfan H       b-endosalfan-beta         bis(2-chioroethylothe       2.2-dichioroethosy methane       hexachiorobenzene       perchioroethane         bis(2-chioroethylother       (2.2-dichioroethylother       hexachioroexclopentale       perchioroexplatione         bis(2-chioroethylother       (2.2-dichioroethylother       hexachioroexclopentale       perchioroexplatione         bis(2-chioroethoxy) pethalate       (2.3-dichiorokylothylothalate       iophorone       3.5-trimethylo-bhoroethane         bromomethane       methylothorod       0rtho-ritrophenol       ortho-chiorophenol       ortho-chiorophenol         carbon tetrachloride       tetrachloride       Natirosodipropylatime       Matrixopanine       Matrixopanine         chiorofina       trichloromethane       Natirosodipropylatime       Matrixopanine       depletij-litrosoanine         chiorofina       trichloromethane       Natirosodiphenylatime       methylehorol       ortho-chiorophenol <td>bezracja, hjperylene 3,4 benzofyrene 4,6-dinitro-2-methylphenol 4,6-dinitro-aresol hydrazine hydrazobenzene benzo(k)fluoroathene 1,12-benzofluoroathene 1,12-benzofluoroathene 2-dichlorochylphenol 1,12-benzofluoroathene endosulfan 1 e-endosulfan-beta 1,12-benzofluoroathene 2.2-dichloroethyl ether fluorine (alpha) benzofes. The second suffan -beta 1,12-benzofluoroethane bis(2-chlorosthylphenol 2.2-dichloroethyl ether fluorine (alpha) benzofes. The second suffan -beta 1,12-benzofluoroethane benzofk) ether (sym)dichloromethane 1,2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethory methane 1,2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethane 1,2-dichloroethory methane 1,2-dichloroethane 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dich</td> <td></td> <td></td> <td></td> <td></td>	bezracja, hjperylene 3,4 benzofyrene 4,6-dinitro-2-methylphenol 4,6-dinitro-aresol hydrazine hydrazobenzene benzo(k)fluoroathene 1,12-benzofluoroathene 1,12-benzofluoroathene 2-dichlorochylphenol 1,12-benzofluoroathene endosulfan 1 e-endosulfan-beta 1,12-benzofluoroathene 2.2-dichloroethyl ether fluorine (alpha) benzofes. The second suffan -beta 1,12-benzofluoroethane bis(2-chlorosthylphenol 2.2-dichloroethyl ether fluorine (alpha) benzofes. The second suffan -beta 1,12-benzofluoroethane benzofk) ether (sym)dichloromethane 1,2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethory methane 1,2-dichloroethory methane 2.2-dichloroethory methane 1,2-dichloroethane 1,2-dichloroethory methane 1,2-dichloroethane 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dichloroethylene 1,1-dich				
berazo(k)/bjerylene         1,12-berazoperylene         1,2-diphenylhydrazine         hydrazobenzene           g-BHC(gamma)         indane         endosulfan I         s-endosulfan-lapha           bis(2-chloroethyl)ether         2,2-dichloroethyl ether         fluorine         (alpha)-diphenylene-methane           bis(2-chloroethyl)ether         2,2-dichloroisopropyl ether         (alpha)-diphenylene-methane         perchloroethore           bis(2-chloroethyl)ether         2,2-dichloroisopropyl ether         (alpha)-diphenylene-methane         perchloroethore           bis(2-chloroethyl)ether         (alpha)-diphenylene-methane         perchloroethore         perchloroethore           bis(chloromethyl) ether         (alpha)-diphenylene-methane         perchloroethore         perchloroethore           bis(chloromethyl) ether         (alpha)-diphenylene-methane         indepotence         perchloroethore           bis(chloromethane         (alpha)-diphenylene-methane         indepotence         perchloroethore           bromodichloromethane         methylenol         ortho-chloromethane         methylenol           erdhorothane         methylenol         ortho-chloromethane         methylenol           erdhorothane         methylenol         N-nitrosodiphenylamine         N-nitrosodiphenylamine           chlororofine         ttrischlorothane <td< td=""><td>beza2(k)Diperviene 1,12-bez20prylene 1,2-diphenylhydra2ine hydrazobenzene beza2(k)Diporoathene 1,12-bez20luoroathene endosulfan 1 s-endosulfan-lapha bis(2-chloroethay) tether 2,2-dichloroethay ether 1100rine (lapha)- diphenylene- methane bis(2-chloroethay) tether 2,2-dichloroethay ether 2,2-dichloroethane perchloroetylane perchloroetylane bis(2-chloroethay) tether 2,2-dichloromethyl ether 12,2-dichloromethane 12,2-dichloromethane 12,2-dichloromethane 12,2-dichloromethyl ether 12,2-dichloromethane 12,2-dichlor</td><td>benzo(a)pyrene</td><td></td><td>4 6-dinitro-2-methylphenol</td><td>4 6-dinitro-ortho-cresol</td></td<>	beza2(k)Diperviene 1,12-bez20prylene 1,2-diphenylhydra2ine hydrazobenzene beza2(k)Diporoathene 1,12-bez20luoroathene endosulfan 1 s-endosulfan-lapha bis(2-chloroethay) tether 2,2-dichloroethay ether 1100rine (lapha)- diphenylene- methane bis(2-chloroethay) tether 2,2-dichloroethay ether 2,2-dichloroethane perchloroetylane perchloroetylane bis(2-chloroethay) tether 2,2-dichloromethyl ether 12,2-dichloromethane 12,2-dichloromethane 12,2-dichloromethane 12,2-dichloromethyl ether 12,2-dichloromethane 12,2-dichlor	benzo(a)pyrene		4 6-dinitro-2-methylphenol	4 6-dinitro-ortho-cresol
berzoffuoroathene g-BHC(gamma)         11.12-benzoffuoroathene inidane         endosulfan I endosulfan I         a-endosulfan-alpha endosulfan II           g-BHC(gamma)         2.2-dichloroethyl ether         fuorine         (alpha)- diphenylene- methane bis(2-chlorostopropyl other           bis(2-chloroethyl) ether         2.2-dichloroethyl ether         fuorine         (alpha)- diphenylene- methane           bis(2-chlorostopropyl other         2.2-dichloroethyl ether         hexachloroethane         perchloroethane           bis(2-chloromethane         dichloromethane         isophorone         3.5.5-trimethyl-2-cyclohexen-1-one           bromodichloromethane         dichloromethane         a-introphenol         ortho-phenylene pyrene           bromodichloromethane         enthylene chloride         dichloromethane         3.5.5-trimethyl-2-cyclohexen-1-one           bromodichloromethane         thylene chloride         dichloromethane         4-nitrophenol         ortho-phenylene pyrene           c-hlorof-mate         thylene chloride         N-nitrosodimpopylamine         N-nitrosodimpopylamine         N-nitrosodimopylamine           chlorophenol         ortho-chlorophenol         PCB-1221         Arochlor-1221           chlorodiphenyltichloroethylene         PCB-1248         Arochlor-1248           dichlorodiphenyltrichloroethylene         1.2.5-estiphenauthrene         PCB-1248	bezz(c)(f)(i)oroithene         11.12-benzoffiooroathene         endosulfan I         -endosulfan alpha           g-BHC(gumma)         indame         endosulfan II         b-endosulfan-beta           bis(2-chloroethy)!ether         2.2-dichloroethy!ether         fuorine         (alpha)-diphenylene-methane           bis(2-chloroethoxy) methane         2.2-dichloroethoxy methane         endosulfan II         b-endosulfan-beta           bis(2-chloroethy) methane         2.2-dichloroethoxy methane         methoroethoroey copentatione         perchloroethane           bis(2-chloromethane         2.2-dichloroethyl ether         hexachloroey copentatione         perchloroey chance           bis(2-chloromethane         dichloromethane         isophorone         3.5.5-trimethyl=2-cyclohexen-1-one           bromomethane         methyl bromide         2-nitrophenol         ortho-phenylene pyrane           bromomethane         methyl bromide         2-nitrophenol         ortho-phenylene pyrane           chloroform         methyl chloride         N-nitrosodimethylamine         M-nitrosomine           chloroform         methyl chloride         N-nitrosodimethylamine         M-nitrosomine           chlorophenol         ortho-chlorophenol         PCB-1221         Arochlor-1221           chlorodiphenyltichloroethylene         PCB-1248         Arochlor-1224				
g-BHC/gamma) indame endosulfan II bendosulfan Jack bis(2-chloroethox)) methane 2,2-dichloroethyl etter fluorine (alpha)- diphenylene- methane bis(2-chloroethox) methane 2,2-dichloroethoxy methane bis(2-chloroethox) methane 2,2-dichloroethoxy methane bis(2-chloroethox) methane 2,2-dichloroethoxy methane bis(2-chloroethox) methane 2,2-dichloroembyl etter bexachloroethane perchloroethane bis(2-chloroethox) methane 2,2-dichloromethyl etter bexachloroethone perchloroethane perchloroethane bis(2-chloroethox) methane 2,2-dichloromethyl etter bexachloroethone perchloroethane perchloroethane indemo(1,3,3-cd) pyrene 2,3-ortho-phenylene pyrene bromodichloromethane methyl bronide 2-nitrophenol para-nitrophenol eurbon tetrachloride dichloroformomethane methylene chloride Mithyl-2-cyclobexen-1-one bromodichloroethane methyl bronide 2-nitrophenol para-nitrophenol eurbon tetrachloride N-nitrosodipropylamine N-nitroso-din-propylamine chloroform tichloromethane N-nitrosodiphenylamine N-nitroso-din-propylamine chloroform tichloromethane PCB-1221 Arochlor-1221 chrysene 1,2-benzphenanthrene PCB-1232 Arochlor-1232 chlorophenol ortho-chloro-theroethane PCB-1242 Arochlor-1232 chlorophenol dichlorofiphenyldichloroethane PCB-1242 Arochlor-1232 chlorophenol dichlorodiphenyldichloroethane PCB-1242 Arochlor-1248 dichlorodiphenyltrichloroethyler tetrachloroethane n,2,5,6-dibenzamtracene 2,3,7,8-tetrachlorodibenzo-p-fixin TCDD 1,2-dichlorobenzene ortho-dichlorobenzene tetrachloroethane acetylene tetrachloroethane national dichlorodiphenyltrichloroethane dichlorofhoromethane 1,4-dichlorobenzene chlorodibenzene para-dichloroethane dichlorofhoromethane 1,4-dichlorobenzene fluorodichlorobenzene chlorodibromethane dichlorofhoromethane 1,2-dichlorobenzene chlorodibenzene chlorodibromethane dichlorofhoromethane dichlorofhoroethane acetylene dichlorofhoroethane acetylene dichlorofhoroethane dichlorofhoroethane dichlorofhoroethane dichlorofhoroethane dichloroethane dichlorofhoroethane dichloroethane dichlorofhoroethane dichloroethane dichloroethane d	g-BHC (gamma)       lindame       endosulfan II       bendosulfan-beta         bis(2-chloroethy)ether       2.2-dichloroethyl ether       fluorine       (alpha)- diphenylene- methane         bis(2-chloroisopropyl) ether       2.2-dichloroethyl ether       hexachloroethoroethane       perchloroethate         bis(2-chloroisopropyl) ether       2.2-dichloroisopropyl ether       hexachloroethane       perchloroethate         bis(2-chloroisopropyl) ether       (spatial for the sechloroethane       perchloroethate       perchloroethate         bis(2-chloroisopropyl) ether       (spatial for the sechloroethane       perchloroethate       perchloroethate         bis(2-chloroisopropyl) ether       (spatial for the sechloroethane       perchloroethate       perchloroethate         bis(chloromethane       methyl bromide       2-ahitrophenol       ortho-nitrosodipropylamine       N-nitrosodiphenylamine         chloroform       ttrakloroethane       N-nitrosodiphenylamine       N-nitrosodiphenylamine       N-nitrosodiphenylamine         chlorophenol       ortho-chloro-thane       PCB-1221       Arochlor-1221         chlorophenol       ortho-chlorophenol       PCB-1221       Arochlor-1242         chlorophenol       ortho-chlorophenol       PCB-1232       Arochlor-1242         chloroethane       nochloro-1016       2.3.7.8-tetrachlorodi				
isi2-chloroethylether       2.2-dichloroethyl ether       floorine       (alpha)- diphenylene-methane         bisi2-chloroethoxy) methane       2.2-dichloroethyxy methane       perchloroethane       perchloroethane         bisi2-chloroethoxy) ther       2.2-dichloroisoproyl ether       2.2-dichloroethane       perchloroethane         bisi2-chloroethane       2.2-dichloroisoproyl ether       3.5,5-trimethyl-2-cyclopentadiene       perchloroethane         bisi2-chloroethane       dichloroboromomethane       isophorone       3.5,5-trimethyl-2-cyclopexen-1-one         bromomethane       methyl bromide       2-nitrophenol       ortho-nitrophenol         carbon tetrachloride       tribroromethane       nitrosodinpoylamine       M-nitrosodiproylamine       N-nitrosodiproylamine         chlorophenol       ortho-chloro-meta-cresol       N-nitrosodiphenylamine       N-nitrosodiphenylamine       N-nitrosodiphenylamine         chlorophenol       ortho-chlorophenol       N-nitrosodiphenylamine       N-nitrosodiphenylamine       N-nitrosodiphenylamine         chlorophenol       ortho-chlorophenol       PCB-1221       Arochlor-1232         chlorodiphenyltichloroethane       p.PTDE       PCB-1242       Arochlor-1242         4,4-DDD       p.PDDX       PCB-1244       Arochlor-1260       Arochlor-1264         chlorodiphenyltenchoroethane <td>bis(2-chloroethyty ether bis(2-chloroethoxy) methane       2.2-dichloroethyty ether 2.2-dichloroethyty methane       (alpha)- diphenylene-methane bis(2-chloroethoxy) methane         bis(2-chloroethoxy) methane       2.2-dichlorospopyl ether (sym)dichloromethyl ether bis(2-chloroethyty) phthalate       (alpha)- diphenylene-methane bexachloroethane       perchloroethane         bis(2-chloroethyty) phthalate       2.2-dichloroethytether (sym)dichloromethane       2.3-dichloroethytether (sym)dichloromethane       2.3-dichloroethytether (sym)dichloromethane       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethane       perchloroethane         bis(2-chliphenylex) phthalate       indichloromethane       methylenol       -introsoliphenylenol       -introsoliphenylenol         orthor-chloromethane       methylehol       orthor-chloromethane       N-nitrosodiphenylamine       Metholiphenylenol         chlorootom       trichloromethane       N-nitrosodiphenylamine       N-nitrosodiphenylamine       N-nitrosodiphenylamine         chlorodiphenyldichloroethane       p.2-DE       PCB-1242       Arochlor-1221         chlorodiphenyltrichloroethane       p.2-DE       PCB-1242       Arochlor-1264         dichlorodiphenyltrichloroethane       p.2-DE       PCB-1244       Arochlor-1264</td> <td></td> <td>·</td> <td></td> <td>1</td>	bis(2-chloroethyty ether bis(2-chloroethoxy) methane       2.2-dichloroethyty ether 2.2-dichloroethyty methane       (alpha)- diphenylene-methane bis(2-chloroethoxy) methane         bis(2-chloroethoxy) methane       2.2-dichlorospopyl ether (sym)dichloromethyl ether bis(2-chloroethyty) phthalate       (alpha)- diphenylene-methane bexachloroethane       perchloroethane         bis(2-chloroethyty) phthalate       2.2-dichloroethytether (sym)dichloromethane       2.3-dichloroethytether (sym)dichloromethane       2.3-dichloroethytether (sym)dichloromethane       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethytether (sophorone       2.3-dichloroethane       perchloroethane         bis(2-chliphenylex) phthalate       indichloromethane       methylenol       -introsoliphenylenol       -introsoliphenylenol         orthor-chloromethane       methylehol       orthor-chloromethane       N-nitrosodiphenylamine       Metholiphenylenol         chlorootom       trichloromethane       N-nitrosodiphenylamine       N-nitrosodiphenylamine       N-nitrosodiphenylamine         chlorodiphenyldichloroethane       p.2-DE       PCB-1242       Arochlor-1221         chlorodiphenyltrichloroethane       p.2-DE       PCB-1242       Arochlor-1264         dichlorodiphenyltrichloroethane       p.2-DE       PCB-1244       Arochlor-1264		·		1
bis(2-chlorostopropt) etter bis(2-chlorostopropt) etter bis(2-chlorostopropt) etter bis(chlormethyl) etter bis(2-chlorostopropt) etter bis(chlormethyl) etter bis(2-chlorostopropt) etter bis(chloromethane cymodichloromethane bromodichloromethane chlorodiphenyltichloroethane tichlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloromethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chlorodiphenyltichloroethane thylene chloroethene chlorodiphenyltichlo	bis(2-chloroethoxy) methane     2.2-dichloroethoxy methane     hexachloroethozene     perchloroethane       bis(2-chloroisopropy)) ether     (symålichloromethy) ether     hexachloroeyclopentadiene     perchloroeyclopentadiene       bis(2-cthylnexyl) phthalate     (z.2-dichlyrbinxyl) phthalate     indeno(1,3,3-ed) pyrene     2.3-ortho-phenylene pyrene       bis(chloromethane     methylenomethane     indeno(1,3,3-ed) pyrene     2.3-ortho-phenylene pyrene       bromodichloromethane     methylenohol     ara-nitrophenoh     para-nitrophenoh       carbon etrachloride     etrachloromethane     nitrosodimethylamine     M-nitrosodimethylamine     M-nitrosodimethylamine       chlorothane     methyl choride     N-nitrosodimethylamine     M-nitrosodimethylamine     M-nitrosodimethylamine       chlorothane     nethyl chloride     PCB-1016     Arochlor-1231       2-chlorophenol     p.2-brozphenanthrene     PCB-1242     Arochlor-1242       2-chlorophenol     p.2-brozphenanthrene     PCB-1242     Arochlor-1242       2-chlorophenol     p.2-brozphenanthrene     PCB-1248     Arochlor-1242       4,4-DDE     tetrachlorodiphenyltrichloroethane     1,2,3,6-dibenzanthracene     1,1,2,2-tetrachlorodibenzo-p-dioxin     TCDD       1,3-dichlorobenzene     noroodiphenyltrichloroethane     1,2,2,6-dibenzanthracene     1,1,1-trichloroethane     tetrachloride				
bis(2-chtoroisopropyl) ether bis(chlormethyl) ether bis(chlormethyl) ether bis(2-chtylkexyl) pithalate cym)dichloromethane tribroromethane trichlorodiphenyldichloroethane p.p-TDE tribe trichlorodiphenyldichloroethane trichlorodiphenyltichloroethane trichlorodiphenyltichloroethane trichlorodiphenyltichloroethane trichlorodiphenyltichloroethane trichlorodiphenyltichloroethane trichlorodiphenyltichloroethane trichloroethane	bis(2-chloriospropyl) ether bis(chlormethyl) cither bis(chlormethyl) ether bis(chlormethyl) ether bis(chlormethyl) ether bromoform     2.2-dichloroispropyl ether (sym)dichloromethyl ether dichloroboronomethane     hexachlorocyclopentadiene hexachlorocyclopentadiene perchlorocyclopentad				
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2-chloro-3-methylphenol chloroferhane       ortho-chloro-meta-cresol ehylchloride       N-nitrosodipropylamine       N-nitroso-dii-n-propylamine         2-chloroferhane       ehylchloride       N-nitrosodiphenylamine       N-nitroso-dii-n-propylamine         Chloroform       trichloromethane       N-nitrosodiphenylamine       N-nitrosodiphenylamine       N-nitrosodiphenylamine         Chloromethane       methyl chloride       PCB-1016       Arochlor-1016         2-chlorophenol       ortho-chlorophenol       PCB-1221       Arochlor-1221         chrysene       1.2-benzphenanthrene       PCB-1232       Arochlor-1242         p.p-TDE       tetrachlorodiphenyldichloroethane       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethyl=ne       PCB-1260       Arochlor-1254         4,4-DDT       p.p-DDX       PCB-1260       Arochlor-1260         dibenzo(a,h)anthracene       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       ortho-dichlorobenzene       tillorodibromothane       tetrachloroethane       tetrachloroethane         1,4-dichlorobenzene       methyl-dichlorobenzene       1,1,1-trichloroethane       methyl chlorofer         1,4-dichlorobenzene       para-dichlorobenzene       trichloroethane       trichloroethane       toluol	2-chloro-3-methylphenol chlorotethane       ortho-chloro-meta-cresol ethylchloride       N-nitrosodiipreylamine N-nitrosodiipreylamine       N-nitroso-dii-n-propylamine N-nitrosodiipheylamine         Chlorotethane       ethylchloride       N-nitrosodipheylamine       N-nitrosodipheylamine         Chloroform       trichloromethane       N-nitrosodipheylamine       N-nitrosodipheylamine         Chloroform       trichloromethane       N-nitrosodipheylamine       M-nitrosodipheylamine         Chloroform       ortho-chlorophenol       PCB-1016       Arochlor-121         Chlorofiphenol       ortho-chlorophenol       PCB-1232       Arochlor-1232         4,4-DDD       dichlorodiphenyldichloroethane       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethyl=ne       tetrachlorodiphenyltrichloroethane       PCB-1260       Arochlor-1260         4,4-DDT       p.p-DDX       PCB-1260       Arochlor-1260       Arochlor-1260         dibenzo(a,h)anthracene       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,3-dichlorobenzene       ortho-dichlorobenzene       thorodibromothane       1,1,2,2-tetrachlorothane       methylene         1,4-dichlorobenzene       para-dichlorobenzene       1,1,1-trichloroethane       trichloroethylene         1,4-dichloroothane       fluoroactbon-12       1				
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chloroformtrichloromethaneN-nitrosodiphenylaminedephenlyl-nitrosoaminechloromethanemethyl chloridePCB-1016Arochlor-10162-chlorophenolortho-chlorophenolPCB-1221Arochlor-1221chysene1,2-benzphenanthrenePCB-1232Arochlor-12324,4-DDDdichlorodiphenyldichloroethanePCB-1242Arochlor-12484,4-DDEtetrachlorodiphenyltethanePCB-1248Arochlor-12544,4-DDTp.p-TDEPCB-1260Arochlor-1260dichlorodiphenyltrichloroethylenedichlorodiphenyltrichloroethane2,3,7,8-tetrachlorodibenzo-p-dioxin4,4-DDTp.p-DDXPCB-1260Arochlor-1260dibenzo(a,h)anthracenechlorodibromomethane1,1,2,2-tetrachlorodibenzo-p-dioxinTCDD1,2-dichlorobenzenechlorobenzenechlorobenzeneacetylene tetrachloride1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene1,4-dichlorobenzenefluorocarbon-121,1,2-trichloroethanemethyl chloroform1,1-dichloroethanefluorocarbon-12ti,1,2-trichloroethanemethyl chloroform1,1-dichloroethanefluorocarbon-12ti,1,2-trichloroethanetichloroethylene1,1-dichloroethanethylene chloridetrichlorofluoromethanefluorocarbon-111,1-dichloroethanethylene chloridetichloroethanetichloroethylene1,1-dichloroethanethylene chloridetichloroethanetichloroethylene1,1-dichloroethanethylene chloridetichloroethylenetichloroethylene <tr< td=""><td>chloroform trichloromethane methyl chloride PCB-1016 Arochlor-1016 2-chlorophenol ortho-chlorophenol PCB-1221 Arochlor-1221 chrysene 1,2-benzphenanthrene PCB-1232 Arochlor-1221 dichlorodiphenyldichloroethane p,p-TDE 4,4-DDE tetrachlorodiphenylethane PCB-1248 Arochlor-1248 dichlorodiphenyltrichloroethane dichlorodiphenylethane dichlorodiphenyltrichloroethane dichlorodiphenyltrichloroethane 1,2,5,6-dibenzanthracene chlorodibromomethane 1,2,5,6-dibenzanthracene chlorodibromomethane 1,2-dichlorobenzene ortho-dichlorobenzene dichlorobenzene dichlorobenzene dichlorobenzene here dichlorobenzene tetrachlorodibrenzene chlorobenzene dichlorobenzene dichlor</td><td>• 1</td><td></td><td>•</td><td></td></tr<>	chloroform trichloromethane methyl chloride PCB-1016 Arochlor-1016 2-chlorophenol ortho-chlorophenol PCB-1221 Arochlor-1221 chrysene 1,2-benzphenanthrene PCB-1232 Arochlor-1221 dichlorodiphenyldichloroethane p,p-TDE 4,4-DDE tetrachlorodiphenylethane PCB-1248 Arochlor-1248 dichlorodiphenyltrichloroethane dichlorodiphenylethane dichlorodiphenyltrichloroethane dichlorodiphenyltrichloroethane 1,2,5,6-dibenzanthracene chlorodibromomethane 1,2,5,6-dibenzanthracene chlorodibromomethane 1,2-dichlorobenzene ortho-dichlorobenzene dichlorobenzene dichlorobenzene dichlorobenzene here dichlorobenzene tetrachlorodibrenzene chlorobenzene dichlorobenzene dichlor	• 1		•	
chloromethanemethyl chloridePCB-1016Arochlor-10162-chlorophenolortho-chlorophenolPCB-1221Arochlor-1221chrysene1,2-benzphenanthrenePCB-1232Arochlor-12324,4-DDDdichlorodiphenyldichloroethanePCB-1242Arochlor-12424,4-DDEtetrachlorodiphenylethanePCB-1242Arochlor-12484,4-DDTp.p-TDEPCB-1248Arochlor-12544,4-DDTp.p-DDXPCB-1260Arochlor-12604,4-DDTp.p-DDXPCB-1260Arochlor-12604,4-DDTp.p.5.6-dibenzanthracene2.3,7.8-tetrachlorodibenzo-p-dioxinTCDD1,2-dichlorobenzenechlorodiphenyltrichloroethane1,1,2,2-tetrachlorodibenzo-p-dioxinTCDD1,3-dichlorobenzenemeta-dichlorobenzenetoluenemethyl chloroethylene1,4-dichloroethanepara-dichlorobenzene1,1,1-trichloroethanemethyl chloroform1,1-dichloroethanefluorocarbon-121,1,2-trichloroethanemethyl chloroform1,1-dichloroethanefluorocarbon-121,1,2-trichloroethanetrichloroethylene1,1-dichloroethaneethylene chloridetrichloroethanefluorocarbon-111,1-dichloroethenethylene chloridetrichloroethanefluorocarbon-111,1-dichloroethene1,2(trans)-dichloroethylenexingl chloridechloroethene1,1-dichloroethene1,2(trans)-dichloroethylenexingl chloridechloroethene1,2-dichloroptopane1,2(trans)-dichloroethylenechloroethenechloroethene1,2-dichloroptopane<	chloromethane methyl chloride PCB-1016 Arochlor-1016 2-chlorophenol ortho-chlorophenol PCB-1221 Arochlor-1221 chrysene 1,2-benzphenanthrene PCB-1232 Arochlor-1232 4,4-DDD dichlorodiphenyldichloroethane PCB-1242 Arochlor-1242 4,4-DDE tetrachlorodiphenylethane PCB-1248 Arochlor-1248 dichlorodiphenyltrichloroethylene 4,4-DDT p.p-DDX PCB-1248 Arochlor-1254 dichlorodiphenyltrichloroethylene 4,4-DDT p.p-DDX PCB-1260 Arochlor-1254 dichlorodiphenyltrichloroethylene 1,2-6,6-dibenzanthracene 2,3,7.8-tetrachlorodibenzo-p-dioxin TCDD 1,2-dichlorobenzene chlorodipenzene 1,4-dichlorobenzene meta-dichlorobenzene 1,4-dichloroethane para-dichlorobenzene 1,1-dichloroethane fluorocarbon-12 1,1,2-trichloroethane trichloroethane 1,1-dichloroethane thylene chloride ethylene chloride 1,1-dichloroethane 1,2(trans)-dichloroethylene 1,1-dichloroethane thylene chloride ethylene chloride trichloroethane 1,1-dichloroethane thylene dichloride trichloroethane 1,1-dichloroethane thylene chloride ethylene chloride trichloroethane trichloroethylene 1,1-dichloroethane thylene chloride ethylene chloride trichloroethane trichloroethane trichloroethylene trichloroethane trichloroethene trichloroethane trichloroethene trichloroethene trichloroethene trichloroethene trichloroethene trichloroethene chloride trichloroethene trichloroethene trichloroethene chloroethene chloride trichloroethene trichloroethene chloride trichloroethene trichloroethene chloroethene chloroethene chloroethene chloroethylene (cis & trans) 1,3-dichloropropere propylene dichloride ethyl phthalate (cis & trans) 1,3-dichloroethylene thylene thy				
2-chlorophenol       ortho-chlorophenol       PCB-1221       Arochlor-1221         chrysene       1,2-benzphenanthrene       PCB-1232       Arochlor-1232         4,4-DDD       dichlorodiphenyldichloroethane       PCB-1242       Arochlor-1242         p.p-TDE       tetrachlorodiphenylethane       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethyleme       tetrachlorodiphenyltrichloroethane       PCB-1254       Arochlor-1254         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       PCB-1260       Arochlor-1260         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       PCB-1260       Arochlor-1260         dibenzo(a,h)anthracene       chlorodibromomethane       1,1,2,2-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       ortho-dichlorobenzene       tetrachloroethene       retrachloroethene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       trichloroethylene         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       trichloroethene         1,1-dichloroethane       ethylidene chloride       trichloroethene       trichloroethene       tichloroethene         1,1-dichloroethene       et	2-chlorophenol       ortho-chlorophenol       PCB-1221       Arochlor-1221         chrysene       1,2-benzphenanthrene       PCB-1232       Arochlor-1232         4,4-DDD       dichlorodiphenyldichloroethane       PCB-1242       Arochlor-1242         p.p-TDE       tetrachlorodiphenylethane       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethylene       p.p-DDX       PCB-1248       Arochlor-1254         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       PCB-1260       Arochlor-1254         dibenzo(a,h)anthracene       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodibromomethane       1,1,2,2-tetrachlorodibenzo-p-dioxin       TCDD         1,3-dichlorobenzene       neta-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methyl chloroform         Difluorodichloromethane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       trichloroethane         1,1-dichloroethane       ethylidene chloride       trichloroethane       thorocarbon-11         1,1-dichloroethane       ethylidene chloride       trichloroethane <td>chloroform</td> <td>trichloromethane</td> <td>N-nitrosodiphenylamine</td> <td>dephenlyl-nitrosoamine</td>	chloroform	trichloromethane	N-nitrosodiphenylamine	dephenlyl-nitrosoamine
chrysene       1,2-benzphenanthrene       PCB-1232       Arochlor-1232         4.4-DDD       dichlorodiphenyldichloroethane       PCB-1242       Arochlor-1242         p,p-TDE       p,p-TDE       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethylene       PCB-1254       Arochlor-1254         4.4-DDT       p,p-DDX       PCB-1260       Arochlor-1260         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       PCB-1260       Arochlor-1260         dibenzo(a,h)anthracene       chlorodiphenyltrichloroethane       PCB-1260       Arochlor-1260         1,2-dichlorobenzene       chlorodiphenyltrichloroethane       2,3,7.8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       ortho-dichlorobenzene       1,1,2,2-tetrachlorothene       acetylene tetrachloride         1,3-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene       toluol         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       toluol       toluol         1,2-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       tvinyl trichloride       toluol         1,1-dichloroethane       fluorocarbon-12       t,1,2-trichloroethane       tichloroethylene         1,1-dichloroethane       fluorocarbon-12	chrysene1,2-benzphenanthrenePCB-1232Arochlor-12324,4-DDDdichlorodiphenyldichloroethanePCB-1242Arochlor-1242p,p-TDEp,p-TDEPCB-1248Arochlor-12484,4-DDEtetrachlorodiphenylethanePCB-1254Arochlor-1254dichlorodiphenyltrichloroethylenep,p-DDXPCB-1260Arochlor-12604,4-DDTp,p-DDXPCB-1260Arochlor-1260dibenzo(a,h)anthracenedichlorodiphenyltrichloroethane2,3,7.8-tetrachlorodibenzo-p-dioxinTCDD1,2-dichlorobenzenechlorodibromomethane1,1,2,2-tetrachlorotheneacetylene tetrachloroide1,3-dichlorobenzeneortho-dichlorobenzenetoluenemethylbenzene toluol1,4-dichloroethanepara-dichlorobenzene1,1,1,1-trichloroethanemethyl chloroformDichlorodifluoromthanefluorocarbon-121,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-121,1,2-trichloroethanevinyl trichloride tholoroethane1,1-dichloroethanefluorocarbon-121,1,2-trichloroethanevinyl trichloride tholoroethane1,1-dichloroethanefluorocarbon-12trichloroethanefluorocarbon-11 fluorotichloromethane1,1-dichloroethenethylidene chloride ethylene chloridevinyl chloride trichloroethanefluorocarbon-11 fluorotichloromethane1,1-dichloroethene1,1-dichloroethylenevinyl chloride chloroethenefluorocarbon-11 fluorotichloromethane1,1-dichloroethene1,1-dichloroethylenevinyl chloride chloroethen	chloromethane	methyl chloride	PCB-1016	Arochlor-1016
4,4-DDD       dichlorodiphenyldichloroethane p.p-TDE       PCB-1242       Arochlor-1242         4,4-DDE       tetrachlorodiphenylethane       PCB-1248       Arochlor-1248         4,4-DDT       p,p-DDX       PCB-1254       Arochlor-1254         dibenzo(a,h)anthracene dichlorodiphenyltrichloroethylene       dichlorodiphenyltrichloroethane dichlorobenzene       PCB-1260       Arochlor-1260         1,2-dichlorobenzene       chlorodibromomethane 1,2,2,5,6-dibenzanthracene altorodibromomethane       1,1,2,2-tetrachlorotibenzo-p-dixin TCDD       TCDD         1,3-dichlorobenzene       ortho-dichlorobenzene       tetrachlorotehne tetrachlorotehne       acetylene tetrachloride perchloroethylene Tetrachloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene Dichlorodifluoromthane       meta-dichlorobenzene Difluorodichloromethane       1,1,1-trichloroethane tylene chloride       methyl chloroform         1,1-dichloroethane       fluorocarbon-12 tylene chloride       1,1,2-trichloroethane trichloroethane       vinyl trichloride trichloroethane       vinyl trichloride trichloroethane         1,1-dichloroethane       fluorocarbon-12 tylene chloride       1,1,2-trichloroethane       trichloroethylene trichloroethane         1,1-dichloroethene       thylene chloride       trichloroethane       thylene chloride         1,2-dichloroethene       1,1-dichloroethylene acetylene dichloride       vinyl chloride       thorocarbo	4,4-DDD       dichlorodiphenyldichloroethane p.p-TDE       PCB-1242       Arochlor-1242         4,4-DDE       tetrachlorodiphenylethane       PCB-1248       Arochlor-1248         4,4-DDT       p.p-DDX       PCB-1254       Arochlor-1254         diblorodiphenyltrichloroethylene       dichlorodiphenyltrichloroethane       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodiphomomethane       1,2,2,c-tetrachlorethane       acetylene tetrachloride         1,3-dichlorobenzene       ortho-dichlorobenzene       toluene       methylbenzene toluol         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         Dichlorodifluoromthane       para-dichlorobenzene Difluorodichloromethane       1,1,1-trichloroethane       winyl trichloride         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       winyl trichloride         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       winyl trichloride         1,1-dichloroethane       ethylene chloride       trichloroethane       toluol         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       toluol         1,1-dichloroethane       fluorocarbon-12       toluoroethane       thorocarbon-11 <td< td=""><td>2-chlorophenol</td><td>ortho-chlorophenol</td><td>PCB-1221</td><td>Arochlor-1221</td></td<>	2-chlorophenol	ortho-chlorophenol	PCB-1221	Arochlor-1221
p.p-TDE tetrachlorodiphenylethanePCB-1248Arochlor-1248dichlorodiphenyltrichloroethylenep.p-DDXPCB-1254Arochlor-1254dibenzo(a,h)anthracene dibromochloromethane1,2,5,6-dibenzanthracene chlorodiphenyltrichloroethanePCB-1260Arochlor-12601,2-dichlorobenzene 1,3-dichlorobenzene1,2,5,6-dibenzanthracene chlorodibromomethane2,3,7,8-tetrachlorodibenzo-p-dioxin tetrachlorodibenzo-p-dioxinTCDD1,4-dichlorobenzene 0ortho-dichlorobenzene1,1,2,2-tetrachlorodibenzo-p-dioxin tetrachloroetheneTCDD1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenemeta-dichlorobenzene1,1,1-trichloroethanemethyl benzene toluol1,1-dichloroethanefluorocarbon-12 ethylene1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylenetrichloroethanefluorocarbon-11 fluorotichloromethane1,1-dichloroethane1,1-dichloroethylene ethylene chloridevinyl chloride trichloroethenefluorocarbon-11 fluorotichloromethane1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenecisk trans) 1,3-dichloropropene proylenevinyl chloride chloroethylene1,2-dichloropropane1,2(trans) -1,3-dichloropropene ethyl phthalateick trans) 1,3-dichloropropropene ethyl phthalatevinyl chloride chloroethylene<	p.p-TDE tetrachlorodiphenylethanePCB-1248Arochlor-1248dichlorodiphenyltrichloroethylenep.p-DDXPCB-1254Arochlor-1254dibenzo(a,h)anthracene dibromochloromethane1,2,5,6-dibenzanthracene chlorodiphenyltrichlorobenzenePCB-1260Arochlor-12601,2-dichlorobenzene 1,3-dichlorobenzene1,2,5,6-dibenzanthracene chlorodibromomethane2,3,7,8-tetrachlorodibenzo-p-dioxin tetrachlorodibenzo-p-dioxinTCDD1,2-dichlorobenzene 1,3-dichlorobenzeneneta-dichlorobenzene1,1,2,2-tetrachlorodibenzo-p-dioxin tetrachloroethaneTCDD1,4-dichlorobenzeneortho-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenemeta-dichlorobenzene1,1,1-trichloroethanemethyl chloroformDichlorodifluoromthanepara-dichlorobenzene Difluorodichloromethane1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene chloride ethylene chloride1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene chloride1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethenethylene dichloride ethylene dichloridetrichlorofluoromethanefluorocarbon-11 fluorotichloromethane1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenechloroethylene chloroethylene1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenechloroethylene chloroethylene	chrysene	1,2-benzphenanthrene	PCB-1232	Arochlor-1232
p.p-TDE tetrachlorodiphenylethanePCB-1248Arochlor-1248dichlorodiphenyltrichloroethylenep.p-DDXPCB-1254Arochlor-1254dibenzo(a,h)anthracene dibromochloromethane1,2,5,6-dibenzanthracene chlorodiphenyltrichloroethanePCB-1260Arochlor-12601,2-dichlorobenzene 1,3-dichlorobenzene1,2,5,6-dibenzanthracene chlorodibromomethane2,3,7,8-tetrachlorodibenzo-p-dioxin tetrachlorodibenzo-p-dioxinTCDD1,4-dichlorobenzene 0ortho-dichlorobenzene1,1,2,2-tetrachlorodibenzo-p-dioxin tetrachloroetheneTCDD1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenemeta-dichlorobenzene1,1,1-trichloroethanemethyl benzene toluol1,1-dichloroethanefluorocarbon-12 ethylene1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylenetrichloroethanefluorocarbon-11 fluorotichloromethane1,1-dichloroethane1,1-dichloroethylene ethylene chloridevinyl chloride trichloroethenefluorocarbon-11 fluorotichloromethane1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenecisk trans) 1,3-dichloropropene proylenevinyl chloride chloroethylene1,2-dichloropropane1,2(trans) -1,3-dichloropropene ethyl phthalateick trans) 1,3-dichloropropropene ethyl phthalatevinyl chloride chloroethylene<	p.p-TDE tetrachlorodiphenylethanePCB-1248Arochlor-1248dichlorodiphenyltrichloroethylenep.p-DDXPCB-1254Arochlor-1254dibenzo(a,h)anthracene dibromochloromethane1,2,5,6-dibenzanthracene chlorodiphenyltrichlorobenzenePCB-1260Arochlor-12601,2-dichlorobenzene 1,3-dichlorobenzene1,2,5,6-dibenzanthracene chlorodibromomethane2,3,7,8-tetrachlorodibenzo-p-dioxin tetrachlorodibenzo-p-dioxinTCDD1,2-dichlorobenzene 1,3-dichlorobenzeneneta-dichlorobenzene1,1,2,2-tetrachlorodibenzo-p-dioxin tetrachloroethaneTCDD1,4-dichlorobenzeneortho-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenemeta-dichlorobenzene1,1,1-trichloroethanemethyl chloroformDichlorodifluoromthanepara-dichlorobenzene Difluorodichloromethane1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene chloride ethylene chloride1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene chloride1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroethenethylene dichloride ethylene dichloridetrichlorofluoromethanefluorocarbon-11 fluorotichloromethane1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenechloroethylene chloroethylene1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenechloroethylene chloroethylene	4,4-DDD	dichlorodiphenyldichloroethane	PCB-1242	Arochlor-1242
4,4-DDE       tetrachlorodiphenylethane       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethylene        Arochlor-1254       Arochlor-1254         4,4-DDT       p,p-DDX       PCB-1254       Arochlor-1260         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodibromomethane       1,1,2,2-tetrachlorothene       acetylene tetrachloride         1,3-dichlorobenzene       ortho-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       para-dichlorobenzene       1,1,1-trichloroethane       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,1-dichloroethane       tichloroethylene       trichloroethane       thorocarbon-11         1,1-dichloroethane       1,1-dichloroethylene       vinyl chloride       thorocarbon-11         1,1-dichloroethene       1,2-dichloroethylene       tholoroethylene       thorocarbon-11         1,1-dichloroethene       <	4.4-DDE       tetrachlorodiphenylethane       PCB-1248       Arochlor-1248         dichlorodiphenyltrichloroethylene				
dichlorodiphenyltrichloroethylene 4.4.DDT p.p-DDX PCB-1254 Arochlor-1254 dibenzo(a,h)anthracene dichlorodiphenyltrichloroethane 1,2,5,6-dibenzanthracene 2,3,7,8-tetrachlorodibenzo-p-dioxin TCDD 1,2-dichlorobenzene chlorodibromomethane 1,1,2,2-tetrachloroethane 1,1,2,2-tetrachloroethane 1,1,2,2-tetrachloroethane 1,1,2,2-tetrachloroethane 1,1,2,2-tetrachloroethane 1,1,2,2-tetrachloroethylene Tetrachloroethylene 1,4-dichlorobenzene meta-dichlorobenzene toluene methylbenzene toluol Dichlorodifluoromthane para-dichlorobenzene Difluorodichloromethane 0,1,1,2-trichloroethane 1,1,1,1-trichloroethane methyl chloroform 0,1,1,2-trichloroethane 1,1,1,1-trichloroethane 1,1,1,1-trichloroethane 1,1,2-dichloroethane 1,1,1,2-trichloroethane 1,1,1,2-trichloroethane 1,1,1-dichloroethane 1,1,1-dichloroethane 1,1,1-dichloroethylene dichloride trichloroethane 1,1,2-dichloroptene 1,1,1-dichloroethylene 1,1,1-dichloroethane 1,1,1-dichloroethylene 1,1,1-dichloroethylene 1,1,2-dichloroethene 1,1,1-dichloroethylene 1,1,1-dichloroethylene 1,1,1,2-trichloromethane 1,1,2-dichloroptene 1,2(trans)-dichloroethylene acetylene dichloride 1,2-dichloroptene 1,2(trans)-dichloroethylene 2,4-dimethylphenol ethyl phthalate (cis & trans) 1,3-dichloroptene proylene dichloride 2,4-dimethylphenol ethyl phthalate	dichlorodiphenyltrichloroethylene       4.4-DDT       p.p-DDX       PCB-1254       Arochlor-1254         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodibromomethane       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodibromomethane       1,1,2,2-tetrachloroethane       acetylene tetrachloride         1,4-dichlorobenzene       ortho-dichlorobenzene       tetrachloroethane       methylbenzene         1,4-dichlorobenzene       meta-dichlorobenzene       1,1,1-trichloroethane       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,2-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       winyl trichloride         1,1-dichloroethane       ethylene chloride       trichloroethane       fluorocarbon-11         1,1-dichloroethene       ethylene dichloride       trichloroethene       fluorocarbon-11         1,1-dichloroethene       1,1-dichloroethylene       vinyl chloride       trichloroethene         1,1-dichloroethene       ethylene dichloride       trichloroethene       fluorocarbon-11         1,2-dichloropropane       1,2(trans)-dichloroethylene	4,4-DDE		PCB-1248	Arochlor-1248
4,4-DDT       p,p-DDX       PCB-1254       Arochlor-1254         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodibromomethane       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       ortho-dichlorobenzene       1,1,2,2-tetrachloroethane       acetylene tetrachloride         1,3-dichlorobenzene       ortho-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         Difluorodichloromethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       trichloroethylene         1,1-dichloroethane       fluorocarbon-12       tichlorofluoromethane       trichloroethylene         1,1-dichloroethane       tichloroethylene       trichloroethane       fluorocarbon-11         1,2-dichloroethene       tichloroethylene       trichloroethene       fluorocarbon-11         1,1-dichloroethene       tichloroethylene       trichloroethylene       chloroethylene	4,4-DDT       p,p-DDX       PCB-1254       Arochlor-1254         dibenzo(a,h)anthracene       dichlorodiphenyltrichloroethane       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       chlorodibrommethane       1,2,5,6-dibenzanthracene       2,3,7,8-tetrachlorodibenzo-p-dioxin       TCDD         1,2-dichlorobenzene       ortho-dichlorobenzene       1,1,2,2-tetrachlorethane       acetylene tetrachloride         1,3-dichlorobenzene       ortho-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methylbenzene         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       trichloroethylene         1,1-dichloroethane       ethylidene chloride       trichlorofluoromethane       fluorocarbon-11         1,1-dichloroethane       1,1-dichloroethylene       trichlorofluoromethane       fluorocarbon-11         1,2-dichloroethene       1,2(trans)-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       cis & trans) 1,3-dichloroethylene       chlo	·			
dibenzo(a,h)anthracene dibromochloromethane 1,2-dichlorobenzeneichlorodiphenyltrichloroethane 1,2,5,6-dibenzanthracene chlorodibromomethane ortho-dichlorobenzenePCB-1260 2,3,7,8-tetrachlorodibenzo-p-dioxin TCDD acetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzenemeta-dichlorobenzenetolueneacetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,1-dichloroethanepara-dichlorobenzene Difluorodichloromethane1,1,1-trichloroethane trichloroethanemethylbenzene toluol1.1-dichloroethanefluorocarbon-12 ethylene chloride ethylene1,1,2-trichloroethane trichloroethanevinyl trichloride trichloroethane1.1-dichloroethanefluorocarbon-12 ethylene chloride1,1,2-trichloroethane trichloroethanevinyl trichloride trichloroethane1.1-dichloroethenethylene chloride ethylene chloridetrichloroethanefluorocarbon-11 fluorotrichloromethane1.1-dichloroethene1,1-dichloroethylene ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1.1-dichloroethene1,1-dichloroethylene acetylene dichloridevinyl chloride chloroethenefluorocarbon-11 fluorotrichloromethane1.2-dichloropropane1,2(trans)-dichloroethylene (cis & trans) 1,3-dichloropropene ethyl phthalatevinyl chloride chloroethylenechloroethylene chloroethylene2,4-dimethylphenolethyl phthalate(cis & trans) 1,3-dichloropropylene ethyl phthalate1,3-dichloroethylene <td>dibenzo(a,h)anthracene dichlorodiphenyltrichloroethane dibromochloromethane 1,2-dichlorobenzenedichlorodiphenyltrichloroethane 1,2,5,6-dibenzanthracene chlorodibromomethane ortho-dichlorobenzenePCB-1260 2,3,7,8-tetrachlorodibenzo-p-dioxin TCDD acetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzeneortho-dichlorobenzene1,1,2,2-tetrachloroethane tetrachloroetheneacetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenepara-dichlorobenzene1,1,1-trichloroethanemethylbenzene toluol1,1-dichloroethanefluorocarbon-12 ethylene chloride1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroetheneethylidene chloride ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1,1-dichloroethene1,1-dichloroethylene ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1,1-dichloroethene1,1-dichloroethylene ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1,2-dichloroperpene1,1-dichloroethylene acetylene dichloridevinyl chloride chloroethenechloroethylene chloroethylene1,2-dichloropropane1,2(trans)-dichloroethylene (cis &amp; trans) 1,3-dichloropropene ethyl phthalatevinyl chloride chloroethylenechloroethylene chloroethylene2,4-dimethylphenolethyl phthalate(cis &amp; trans) 1,3-dichloropropylene ethyl phthalatecis &amp; trans) 1,3-dichloropropylen</td> <td></td> <td></td> <td>PCB-1254</td> <td>Arochlor-1254</td>	dibenzo(a,h)anthracene dichlorodiphenyltrichloroethane dibromochloromethane 1,2-dichlorobenzenedichlorodiphenyltrichloroethane 1,2,5,6-dibenzanthracene chlorodibromomethane ortho-dichlorobenzenePCB-1260 2,3,7,8-tetrachlorodibenzo-p-dioxin TCDD acetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzeneortho-dichlorobenzene1,1,2,2-tetrachloroethane tetrachloroetheneacetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenepara-dichlorobenzene1,1,1-trichloroethanemethylbenzene toluol1,1-dichloroethanefluorocarbon-12 ethylene chloride1,1,2-trichloroethanevinyl trichloride trichloroethane1,1-dichloroetheneethylidene chloride ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1,1-dichloroethene1,1-dichloroethylene ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1,1-dichloroethene1,1-dichloroethylene ethylene chloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane1,2-dichloroperpene1,1-dichloroethylene acetylene dichloridevinyl chloride chloroethenechloroethylene chloroethylene1,2-dichloropropane1,2(trans)-dichloroethylene (cis & trans) 1,3-dichloropropene ethyl phthalatevinyl chloride chloroethylenechloroethylene chloroethylene2,4-dimethylphenolethyl phthalate(cis & trans) 1,3-dichloropropylene ethyl phthalatecis & trans) 1,3-dichloropropylen			PCB-1254	Arochlor-1254
dibromochloromethane 1,2-dichlorobenzene1,2,5,6-dibenzanthracene chlorodibromomethane ortho-dichlorobenzene2,3,7,8-tetrachlorodibenzo-p-dioxin 1,1,2,2-tetrachlorethane tetrachloroetheneTCDD acetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,1-dichloroethanepara-dichlorobenzene Difluorodichloromethane1,1,2-trichloroethane trichloroethanemethyl chloroform1.1-dichloroethanefluorocarbon-12 ethylidene chloride ethylidene chloride1,1,2-trichloroethane trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylidene chloride1,1,2-trichloroethane trichloroethanevinyl trichloride trichloroethane1,1-dichloroethanefluorocarbon-12 ethylene dichloride1,1,2-trichloroethane trichloroethanefluorocarbon-11 fluorocarbon-11 fluorotrichloromethane1,1-dichloroethene1,1-dichloroethylene acetylene dichloridevinyl chloride chloroethenefluorocarbon-11 fluorotrichloromethane(trans)-1,2-dichloropropene1,2(trans)-dichloroethylene (cis & trans) 1,3-dichloropropylene ethyl phthalate(cis & trans) 1,3-dichloropropylene ethyl phthalatevinyl chloride chloroethylene	dibromochloromethane 1,2-dichlorobenzene1,2,5,6-dibenzanthracene chlorodibromomethane ortho-dichlorobenzene2,3,7,8-tetrachlorodibenzo-p-dioxin 1,1,2,2-tetrachlorethane tetrachloroetheneTCDD1,4-dichlorobenzeneortho-dichlorobenzene1,1,2,2-tetrachlorethane tetrachloroetheneacetylene tetrachloride perchloroethylene Tetrachloroethylene1,4-dichlorobenzenemeta-dichlorobenzenetoluenemethylbenzene toluol1,4-dichlorobenzenepara-dichlorobenzene Difluorodichloromethane1,1,1-trichloroethane trichloroethanemethylbenzene toluol1.1-dichloroethanefluorocarbon-12 ethylene chloride ethylene chloride1,1,2-trichloroethane trichloroethenevinyl trichloride trichloroethane1,1-dichloroethenefluorocarbon-12 ethylene chloride1,1,2-trichloroethane trichloroethenevinyl trichloride trichloroethene1,1-dichloroethene1,1-dichloroethylene ethylene dichloridetrichlorofluoromethanefluorocarbon-11 fluorotrichloromethane(trans)-1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride trichloroethylenetoloroethylene chloroethylene1,2-dichloropropane1,2(trans)-dichloroethylene acetylene dichloridevinyl chloride chloroethylenetoloroethylene chloroethylene1,2-dichloropropane1,2(trans)-dichloropropylene (cis & trans) 1,3-dichloropropylene ethyl phthalatecis & trans) 1,3-dichloropropylene ethyl phthalatetoloroethylene				
1,2-dichlorobenzene       chlorodibromomethane ortho-dichlorobenzene       1,1,2,2-tetrachlorethane tetrachloroethane       acetylene tetrachloride perchloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         Dichlorodifluoromthane       para-dichlorobenzene Difluorodichloromethane       1,1,2-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12 ethyliene chloride       1,1,2-trichloroethane       vinyl trichloride trichloroethane         1,1-dichloroethane       fluorocarbon-12 ethylene chloride       1,1,2-trichloroethane       vinyl trichloride trichloroethane         1,1-dichloroethane       fluorocarbon-12 ethylene chloride       trichlorofluoromethane       vinyl trichloride trichloroethene         1,1-dichloroethene       thylene chloride       trichlorofluoromethane       fluorocarbon-11 fluorotrichloromethane         (trans)-1,2-dichloroethene       1,2(trans)-dichloroethylene acetylene dichloride       vinyl chloride chloroethylene       chloroethylene chloroethylene         (zi & trans) 1,3-dichloropropuene       propylene dichloride dicthyl phthalate       (cis & trans) 1,3-dichloropropylene ethyl phthalate       ethyl phthalate	1,2-dichlorobenzene       chlorodibromomethane ortho-dichlorobenzene       1,1,2,2-tetrachlorethane tetrachloroethane       acetylene tetrachloride perchloroethylene Tetrachloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         Dichlorodifluoromthane       para-dichlorobenzene Difluorodichloromethane       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12 ethylene chloride       1,1,2-trichloroethane trichloroethane       vinyl trichloride trichloroethane         1,1-dichloroethane       fluorocarbon-12 ethylene chloride       1,1,2-trichloroethane trichloroethane       vinyl trichloride trichloroethane         1,1-dichloroethane       fluorocarbon-12 ethylene chloride       trichlorofluoromethane       fluorocarbon-11 fluorotrichloromethane         (trans)-1,2-dichloroethene       1,1-dichloroethylene acetylene dichloride       vinyl chloride vinyl chloride       chloroethylene chloroethylene         (z-dichloropropane       1,2(trans)-dichloroethylene (cis & trans) 1,3-dichloropropyene 2,4-dimethylphenol       propylene dichloride ethyl phthalate       cis & trans) 1,3-dichloropropyene				
1,3-dichlorobenzene       ortho-dichlorobenzene       tetrachloroethene       perchloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       para-dichlorobenzene       1,1,1-trichloroethane       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,2-dichloroethane       ethylene chloride       trichlorofluoromethane       fluorocarbon-11         1,1-dichloroethene       1,1-dichloroethene       trichloroethene       fluorocarbon-11         1,1-dichloroethene       1,1-dichloroethylene       trichlorofluoromethane       fluorocarbon-11         1,1-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       vinyl chloride       chloroethylene         (cis & trans) 1,3-dichloropropene       propylene dichloride       cis & trans) 1,3-dichloropropylene       c,3 dichloropropylene         2,4-dimethylphenol       ethyl phthalate       cis & trans) 1,3-dichloropropylene       ethyl phthalate	1,3-dichlorobenzene       ortho-dichlorobenzene       tetrachloroethene       perchloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         1,4-dichlorobenzene       para-dichlorobenzene       1,1,1-trichloroethane       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,2-dichloroethane       ethylene chloride       trichloroethene       trichloroethene         1,1-dichloroethene       ethylene chloride       trichlorofluoromethane       fluorocarbon-11         1,1-dichloroethene       1,1-dichloroethylene       trichlorofluoromethane       fluorocarbon-11         (trans)-1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       vinyl chloride       chloroethylene         (cis & trans) 1,3-dichloropropene       proylene dichloride       cis & trans) 1,3-dichloropropene       proylene dichloride         2,4-dimethylphenol       ethyl phthalate       ethyl phthalate       cis & trans) 1,3-dichloropropylene				
Tetrachloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         Dichlorodifluoromthane       para-dichlorobenzene Difluorodichloromethane       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       winyl trichloride         1,1-dichloroethane       ethylidene chloride ethylidene chloride       trichloroethane       vinyl trichloride         1,1-dichloroethane       ethylidene chloride ethylene chloride       trichloroethane       fluorocarbon-11 fluorotrichloromethane         1,1-dichloroethene       1,1-dichloroethene       trichlorofluoromethane       fluorocarbon-11 fluorotrichloromethane         (trans)-1,2-dichloroethene       1,1-dichloroethylene acetylene dichloride       vinyl chloride       chloroethene chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene acetylene dichloride       vinyl chloride       chloroethene chloroethylene         1,2-dichloropropane       1,2(trans)-dichloroethylene (cis & trans) 1,3-dichloropropene       propylene dichloride         diethyl phthalate       (cis & trans) 1,3-dichloropropene ethyl phthalate       ethyl phthalate	Tetrachloroethylene         1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene toluol         Dichlorodifluoromthane       para-dichlorobenzene Difluorodichloromethane       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       winyl trichloride         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       winyl trichloride         1,1-dichloroethane       ethylidene chloride       trichloroethane       trichloroethane         1,1-dichloroethene       ethylene chloride       trichlorofluoromethane       fluorocarbon-11         1,1-dichloroethene       1,1-dichloroethene       fluorocarbon-11       fluorocarbon-11         (trans)-1,2-dichloroethene       1,1-dichloroethylene acetylene dichloride       vinyl chloride       chloroethene chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene acetylene dichloride       vinyl chloride       chloroethene chloroethylene         1,2-dichloropropane       1,2(trans)-dichloroethylene cis & trans) 1,3-dichloropropue       propylene dichloride cis & trans) 1,3-dichloropropue       gropylene dichloride ethyl phthalate       cis & trans) 1,3-dichloropropuylene	·			
1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,1-dichloroethane       ethylidene chloride       trichloroethene       trichloroethene         1,1-dichloroethene       ethylene chloride       trichlorofluoromethane       fluorocarbon-11         1,1-dichloroethene       ethylene chloride       trichlorofluoromethane       fluorocarbon-11         (trans)-1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         (trans)-1,2-dichloroethene       1,2-tichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       cis & trans) 1,3-dichloropropene       proylene dichloride         (cis & trans) 1,3-dichloropropene       proylene dichloride       ethyl phthalate       cis & trans) 1,3-dichloropropene         2,4-dimethylphenol       ethyl phthalate       ethyl phthalate       ethyl phthalate <td>1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,2-dichloroethane       ethylidene chloride       trichloroethane       trichloroethane         1,1-dichloroethane       ethylene chloride       trichloroethene       fluorocarbon-11         1,1-dichloroethene       ethylene dichloride       trichlorofluoromethane       fluorocarbon-11         (trans)-1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         (trans)-1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       cis &amp; trans) 1,3-dichloropropylene       cis &amp; trans) 1,3-dichloropropylene         2,4-dimethylphenol       ethyl phthalate       ethyl phthalate       tis &amp; trans) 1,3-dichloropropylene</td> <td>1,5 diemorobenzene</td> <td></td> <td>tetraemoroeutene</td> <td></td>	1,4-dichlorobenzene       meta-dichlorobenzene       toluene       methylbenzene         Dichlorodifluoromthane       para-dichlorobenzene       1,1,1-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       methyl chloroform         1.1-dichloroethane       fluorocarbon-12       1,1,2-trichloroethane       vinyl trichloride         1,2-dichloroethane       ethylidene chloride       trichloroethane       trichloroethane         1,1-dichloroethane       ethylene chloride       trichloroethene       fluorocarbon-11         1,1-dichloroethene       ethylene dichloride       trichlorofluoromethane       fluorocarbon-11         (trans)-1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         (trans)-1,2-dichloroethene       1,1-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       vinyl chloride       chloroethene         1,2-dichloropropane       1,2(trans)-dichloroethylene       cis & trans) 1,3-dichloropropylene       cis & trans) 1,3-dichloropropylene         2,4-dimethylphenol       ethyl phthalate       ethyl phthalate       tis & trans) 1,3-dichloropropylene	1,5 diemorobenzene		tetraemoroeutene	
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	2,4-xylenol	2,4-dimethylphenol			
2,4-xylenol			2,4-xylenol		

# ATTACHMENT C

# **ELECTROPLATING AND METAL FINISHING SUBCATEGORIES**

Place a check beside all activities that apply to your business:

I face a	eneer beside an activities that apply to your busines		
[ ]	Electroplating	[ ]	Electro less plating
[ ]	Anodizing	[ ]	Conversion coating
[ ]	Etching (chemical milling)	[ ]	Printed circuit board manufacturing
[ ]	Cleaning	[ ]	Machining
[ ]	Grinding	[ ]	Polishing
[ ]	Barrel finishing (tumbling)	[ ]	Burnishing
[ ]	Impact deformation	[ ]	Pressure deformation
[ ]	Shearing	[ ]	Heat treating
[ ]	Thermal cutting	[ ]	Welding
[ ]	Brazing	[ ]	Soldering
[ ]	Flame spraying	[ ]	Sand blasting
[ ]	Other abrasive jet machining	[ ]	Electric discharge machining
[ ]	Electrochemical machining	[ ]	Electron beam machining
[ ]	Laser beam machining	[ ]	Plasma arc machining
[ ]	Ultrasonic machining	[ ]	Sintering
[ ]	Laminating	[ ]	Hot dip coating
[ ]	Sputtering	[ ]	Vapor plating
[ ]	Thermal infusion	[ ]	Salt bath de-scaling
[ ]	Solvent de-greasing	[ ]	Paint stripping
[ ]	Painting	[ ]	Electrostatic painting
[ ]	Electroplating	[ ]	Vacuum metal zing
[ ]	Assembly	[ ]	Calibration
[ ]	Testing	[ ]	Mechanical plating

# ATTACHMENT D

# PRINCIPLE RAW MATERIALS

List all principal materials regularly used in your facility that may be present in your wastewater discharge (such as cleaning agents, solvent, food processing waste, plating solutions, catalysts, milk wastes, ink, etc.). Identify chemical constituents, if known, or brand name. Attach material safety data sheets.

## CHEMICAL CONSTITUENTS OR BRAND NAME

GENERIC TYPE

ANNUAL VOLUME USED

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# ATTACHMENT E

# **SCHEMATIC FLOW DIAGRAM**

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from beginning to end of activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in the schematic diagram. Use the space below or additional sheets of 8 x 11 paper to draw diagrams.

# ATTACHMENT F BUILDING LAYOUT

Draw to scale the location of each building on the premises. Show location of all water meters (current and planned), storm drains, numbered unit processes (from process schematic(s)), municipal sewers and each side sewer connected to the municipal sewers, automatic sampling equipment (current and planned), location of pretreatment processes, treated flows and untreated flows, name and location of adjacent streets. Use flow schematic to indicate process flows and process discharge flows in gallons per day (gpd). Number each side sewer and show possible sampling location (sampling manhole).

An attached plan or drawing of the facilities showing the above items may be substituted for a drawing on this sheet.