Chapter 3
Industrial Waste Survey Guidance
Section A. Quick Reference Info

1. Definition - The Industrial Waste Survey is the effort made to ensure that the list of Industrial Users and the pollutants in their wastestreams are current.

2. Chapter Acronyms
   - CIU-Categorical Industrial User
   - IUP-Industrial User Permit
   - IWS-Industrial Waste Survey
   - LIU- Local Industrial User
   - POC-Pollutant of Concern
   - POTW-Publicly Owned Treatment Works
   - SIC-Standard Industrial Classification
   - SIU-Significant Industrial User
   - SUO-Sewer Use Ordinance

3. Purpose
   - Identify new and existing Industrial Users and their Pollutants of Concern that require permitting either as SIU's or Non-SIU's.
   - Determine if any existing SIU's can be dropped to Non-SIU status.

4. Regulatory Reference
   - 40CFR 403.8(f)(2)
   - NPDES permit part IV, C, 2
   - NC Model SUO section 4.1, 4.2
   - 15A NCAC 2H.0905 and .0906

5. Division Requirement
   - Submit IWS as part of program development.
   - Submit summary of on-going IWS activities to Division once per five years.
   - Issue Permits to SIUs identified through IWS within 180 days of identification.

6. Implementation Frequency
   - As part of initial program development.
   - Submit summary of on-going IWS activities to Division once per five years.
   - Issue permits to SIU identified through IWS within 180 days of identification.

7. Appendices
   - Appendix 3-A, NC Model Industrial Waste Survey Short Form
   - Appendix 3-B, NC Model Industrial Waste Survey Long Form
   - Appendix 3-C, Dropping an SIU
   - Appendix 3-D, Categorical Regulations Summary
   - Appendix 3-E, Example Snapshot Summary of IWS sent Division
   - Appendix 3-F, Example On-Going Summary of IWS sent Division
   - Appendix 3-G, Blank Summary Table
   - Appendix 3-H, EPA Contacts for Categorical Pretreatment Standards

8. Other Guidance Documents
   - Standard Industrial Classification Manual 1987
   - North Carolina Manufacturers Register
   - http://www.osha.gov/oshstats/index.html
   - http://www.census.gov.epcd/www/naics.html

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Section B. Discussion

Why does a POTW want to conduct an Industrial Waste Survey (IWS)? The IWS will identify the potential sources of adverse impact to your POTW. Adverse impact can mean a number of things including a reduction in wastewater treatment plant efficiency, damage to the WWTP and collection lines, failure of an NPDES limit, or even a fish kill. Many people think that the only objective of the IWS is to permit more industries. This is not true. While the IWS may identify some additional industries that require permitting; it is possible that some currently permitted industries may upon reevaluation no longer require a permit. The main objective is for the POTW to understand the distinct users of their collection system and to know what they are discharging into it.

At a minimum, an IWS must list facilities that were sent surveys, whether or not process wastewater is discharged to the system, approximate process flow and if the facility should be considered a Significant Industrial User (SIU) based on the following definition from 15A NCAC 2H .0903 (34).

1. Discharges an average of 25, 000 gallons or more per day of process wastewater, or

2. Contributes more than 5% of the design flow or maximum allowable headworks loading of the POTW treatment plant for any pollutant of concern, or

3. Is required to meet a national categorical pretreatment standard, or

4. Is determined by the control authority to have a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement or receiving stream standard, or to limit the POTW's sludge disposal options.

The IWS is also a good opportunity to communicate with the business community. The information gained from industries about pollutants in their discharges, batch discharges, and undiked storage tanks, etc. can be invaluable. Inserts may be placed in the surveys to indicate POTW concerns, such as prohibited discharges for specific pollutants.

Why does the POTW have to conduct an industrial waste survey? Federal Regulation 40 CFR 403.8(f) (2) specifically requires a POTW to implement procedures to identify all possible industrial users that may be subject to the POTW pretreatment program. It also requires the POTW to identify the character and volume of pollutants contributed by those industrial users. This requirement is adopted in the State pretreatment regulations at NCAC .0905 and .0906 requires an IWS with the submission for program approval. In addition, part IV, C, 2 of the POTW's NPDES permit states "the permittee shall update its industrial user survey at least once every five years."

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Section B. Discussion

To summarize, the purpose of the IWS is to identify all the Significant Industrial Users (SIUs), including Categorical Industrial Users (CIUs), and the pollutants in their waste streams and to issue permits to any newly identified SIUs. Included in this identification is the possibility of adjusting the limits and monitoring requirements in an existing SIU's permit or dropping a user from SIU status to Non-SIU status. Non-SIU status can include: Local Industrial User (LIU) permits, general permits, non-discharge certifications, or only the Sewer Use Ordinance (SUO) limitations. The IWS may also serve the secondary benefit of making users aware of POTW concerns.

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Section C. How To

Please note that the procedures listed here are not inclusive. Each POTW should establish procedures suitable for their local pretreatment program.

All pretreatment programs will initially conduct a snapshot survey as part of developing their pretreatment programs. The "snapshot approach" identifies industrial users that exist at the time of the survey. This is necessary as a foundation and to gain program approval. Subsequently, the IWS will consist of continuously implemented procedures with periodic summations submitted to the Division.

Snapshot Survey.

It is recommended that two different forms be used in the snapshot survey. The first form or short form (Appendix 3-A) is used to gather basic information and determine if the long form or permit application, should be sent. The second form or long form (Appendix 3-B) gathers detailed information for SIU determination. The information gathered must then be summarized in a table or chart. An example is given in Appendix 3-E.

The Snapshot Survey steps are:

- Compile the Initial List of potential SIUs (sources on next page).
- Evaluate lnitial List.
    - Eliminate Users unlikely to have process discharges, (churches, apartment complexes, restaurants, beauty shops, etc.).
    - Create revised Initial List.
- Send Short Form to users on Revised Initial List.
- Evaluate Short Forms.
    - Identify potential SIU's, categorical and non-categorical.
    - Compile list to be sent Long Form.
- Follow-up on non-response to Short Form.
    - Phone call.
    - Visit (if necessary).
    - Repeat evaluation step when form received and send Long Form if needed.
- Send Long Form to potential SIUs.
- Evaluate Long Forms.
    - Inspection if warranted.
    - Develop Permit if SIU.
    - Develop Permit if non-SIU control is warranted.
    - Drop SIUs if warranted.
- Follow-up on non-response to Long Form.
    - Phone call.
    - Visit (if necessary).
    - Repeat evaluation step when Long Form received.

Sources of Survey Information

Which Users need to be sent survey forms? At least 2 different sources of information must be used to determine which users should be sent survey forms, one of which must be the NC Manufacturers Register. The Division recommends that more than two sources be used. The following are examples of information sources:

- North Carolina Manufacturers Register: The Geographic Guide in this directory is broken up by county and town and offers a list of manufacturing industries and their SIC codes. This is a required source. Call the PERCS Unit for copies of pages pertaining to your POTW and any satellite communities served.

- Water Billing Records: Users of more than 25,000 gallons/day (gpd) should be sent a survey. The POTW, depending on its size, may choose a number lower than 25,000 gpd.

- Sewer Connection Permits: Requests to tie onto the sewer provide a good indication of new users.

- Standard Listings of Industries: National listings such as "Dunn and Bradstreet" and the "Thomas Registry", though cumbersome, can be used.

- Local Telephone Directory: Reviewing the listings in the yellow pages or other commercial listings can offer a comprehensive list of commercial establishments in a town.

- Business License Records: The county or city clerk should be able to provide a list of all current business licenses. A complete review of all business licenses may offer even greater insight into who should be sent survey form. Be aware of renters of single owner, multi-user developments such as shopping centers and industrial parks.

- Chamber of Commerce Rosters: A list of the members of the local Chamber of Commerce may further indicate users who should be sent forms.

Reviewing the Initial List

These efforts should produce an extensive list of dischargers who potentially need to be sent a survey. Many types of businesses can be eliminated from consideration by looking at the type of business conducted, for example churches and video rentals, etc. obviously conduct no manufacturing operations. Some POTWs may even have the computing capacity to sort lists of water users by codes indicating the type of business conducted by users. Make sure the narrative part of your summary discusses the criteria used to eliminate Users from the initial list.

Lists of users obtained from water records need to be handled carefully. A business may not use 25,000 gpd, but may still be a SIU because it is covered by federal categorical regulations. The surveyor can familiarize themselves with the categorical industries by reviewing the categorical section in Appendix 3-D of this chapter. On the other hand, many apartment complexes or other domestic only properties are billed for water through a holding company in mass and may appear at first to need permitting based on flow. Reviewing the business license, along with the water records, may further aid in deciding if a survey is necessary.

When in doubt send a survey !

Evaluation of Forms

Short Form. To ease survey efforts it is recommended that two different forms be used, in sequence. The first form, or short form, supplies basic information, including what type of business the user conducts, the SIC code and the water uses. Appendix 3-A contains an example short form.

Completed short forms are reviewed as they are returned to determine if a complete IWS form (long form) needs to be sent. Make sure a specific due date is indicated on the short form. Further survey efforts should not be delayed while waiting for all short forms to be returned. If the POTW fails to receive a response from a particular user, then the POTW can send another form with another letter, follow up with a phone call or conduct an onsite inspection. Continued non-response may warrant a Notice of Violation as provided for in the Sewer Use Ordinance (Model Section 8). The POTW should receive a response for each survey sent.

To aid in determining who should be sent a long form, consider the following discussion:

- Review the business' Standard Industrial Classification (SIC) code listed on the short form. Every operating establishment is assigned a SIC code based on its primary activity. Use one of the sources below to gain further insight into the type of business conducted, processes used and potential wastewaters or pollutants the User might have and for the possibility of being subject to categorical standards.
    - A partial listing of categorical SIC codes can be found in Appendix 3-D of this chapter.
    - Visit the following web sites: http://www.osha.gov/oshstats/index.html or http://www.census.gov.epcd/www/naics.html for SIC code information.
    - Standard Industrial Classification Manual, 1987, Executive Office of the President / Office of Management and Budget.

- The responses to the "Business Performed" question on the Short Form require careful review.
  - The reviewer should have a working knowledge of the different types of categorical industries. Review Appendix 3-D and contact the PERCS Unit if you are in doubt. Some of the most common categories in North Carolina are metal finishing, pharmaceutical, organic chemicals, plastics & synthetic fibers (OCPSF) and centralized waste treaters (CWT).

  - If the POTW needs assistance with a categorical determination, they may contact the Division PERCS Unit Central Office Staff. A copy of the EPA contacts for various categorical industries can be found in Appendix 3-G.

  - Industries other than those that are regulated by categorical standards need to be considered by the POTW for potential adverse impacts. There are a wide variety of these types of businesses:
    - food processors: elevated BOD and/or solids, oil & grease
    - truck washes: oil & grease, grit, detergent used. If the inside of the truck is washed, it might be categorical.
    - textiles: chlorides, sodium, metals from dyes, surfactants, chlorine, COD.

- If the responses to "Business Performed" indicate that more information is needed to determine if an industry needs a local or SIU permit, do not hesitate to send them the long form.

- The response to water usage will serve to compliment or check the other responses. If an industry lists no process water usage, then they may not need to be sent a long form even if the answers to the other questions indicated the need to send a survey. However, if the water usage is high, then the user may need to be sent a long form even if the other questions do not indicate the need. Professional judgment should be used, and if there is any doubt, the user should be sent a long form.

- If any response leads you to believe that an industry is categorical or otherwise needs to be regulated, send the industry a complete "Industrial Waste Survey and Permit Application Form", hereafter referred to as the long form. An example of the long form can be found in the Appendix 3-A (the POTW may wish to conduct a telephone interview and/or on-site inspection prior to sending a Long Form).

Long Form: The long forms must be reviewed carefully to determine if an inspection should be conducted and/or a permit issued.

Every POTW should analyze the responses to the long form according to local concerns and conditions. Tips for evaluating responses to each question on the long form are provided below:

- The cover page of the long form contains common information that was provided in the short form, such as address. The long form is not considered complete unless the certification statement is signed.

- Long Form Part I General Information

Question Number	Discussion
1	The narrative of business conducted is the same as that asked in the short form and should be analyzed for categorical applicability and adverse impact potential.
2 & 3	Products produced and raw materials used serve to further clarify business type and should be analyzed in the same way as Question 1.
4	Large batch discharges of biocide-laced wastewater may inhibit the WWTP. Specific biocide treatability should be reviewed. The Biocide/Chemical Pretreatment Worksheet – Form PT101 should be completed by the industry to determine compatibility of the biocide with the WWTP (available on PERCS web site).
5	The production schedule gives an indication of peak industry water use periods. Many POTWs have experienced difficulties during industry high flow periods or when certain industries shut down or start up such as on weekends. This may be due to hydraulic capacity or the WWTP "bugs" becoming acclimated to a certain make up of influent.
6	Batch production can create difficulties for some POTWs. Some industries have high levels of pollutants in the first part of a batch discharge. Also, the surge flow can present a problem both in the ability to sample and treat industry effluent.
7	During the Peak season the Industry may exceed the criterion for required permitting.
8	If an industry is close to the permitting thresholds, this question can indicate if the industry will need to be further monitored or permitted in the future.
9	The waste hauled information should be evaluated to determine if material spills have any potential to effect the POTW, and to insure that the "hauled waste" is not simply being discharged to the POTW by the hauler at another location without POTW approval. Some POTWs require documentation of hauling and verification of receipt and treatment at the waste's final destination.

Question Number	Discussion
10	If the User has conducted sampling on its wastewater discharges it will assist in determining if a permit needs to be issued, aid in setting permit limits and may save time and money on a baseline monitoring report if a categorical determination was made. The reviewer should average the data and determine if the pounds per day or maximum concentration require some form of control. For new or changing users, data may be provided from another, similar facility. The user should identify where the data came from and discuss any expected differences. If this form is being used for a permit renewal the POTW should already have copies of any sampling data. This question will also indicate sampling points.
11	The sketch is primarily used to define where process and other waste streams enter the collection system, and to identify potential categorical processes and potential impacts from other processes and practices. The sketch is further used in the permitting process to determine the applicability of the combined waste stream formula and to establish the sampling point.
12	Wastewater Contents Checklist section contains a long "laundry list" of chemicals. The information "Present at facility" yet "Absent in discharge" requires consideration of the possibility that the compounds may enter the discharge though spills or poor housekeeping. The POTW should ask the user for information on how they will keep the pollutants out of the waste stream. A Slug/Spill Control Plan or confirmation monitoring may be needed. Pollutants listed as "present in discharge" must be evaluated to determine if they are present in quantities sufficient to need a limit. Information on IUP limited pollutants can be found in the Appendix 6-E.
13	If an industry currently holds an NPDES permit to directly discharge to the waters of the State, they probably will not need an SIU or LIU permit, but the POTW should confirm this. If they used to hold a NPDES permit or hold a storm water permit, further investigation needs to be done to determine if they may need to be permitted.
14	This question will indicate if the industry. The POTW may request information regarding why the industry was considered a SIU and if any changes have taken place to change that status, if known.
15	Possession of Air or Hazardous waste permits may offer some insight into the type of processes used and proper disposal of waste.

Question Number	Discussion
16,17,18&19	These questions are all related to what chemicals a User generally has on-site as well as the impact that a leaking tank, misopened valve or spilled drum can have on a POTW. POTWs have been completely knocked out by spills from chemical or fuel tanks. An industry may not need to be a SIU or LIU, but still need to prepare a Slug and Spill Control Plan to protect the POTW. An inspection may be necessary to determine if measures taken are adequate.

- Long Form Part II Water Supply, Use, & Disposal Worksheet

  The reviewer should start by analyzing the sources of water. The user may obtain water from several different sources that may not have been registered on water billing records, and thus total water use may exceed 25,000 gpd (SIU criteria).

  Water disposal methods and gallons per day should approximately match water sources. The different disposal methods may indicate that even though the user has greater than SIU quantities of process water use it is being lost as product or through evaporation, etc. The maximum gallons per day is used to determine if the user needs a permit even if their average flow does not mandate permitting. This maximum may require permitting if the industry completes a high flow procedure (slug load) such as flushing tanks on an irregular basis.

  Water uses are described as follows:

  1 Process water includes any water that touches the product or process at some point. It also includes waste product, batch dumps etc.
  2 Washdown water includes any water used to clean the production area or any other area where it may contact the product or the process, including cleaning machinery and floors, etc.
  3 Water into product is water used to dilute or process goods and is shipped out with the product.
  4 Air Quality Permitted Units are scrubbers and other air treatment devices generally installed to prevent/reduce air toxicant release to the environment. Often they function by transferring a pollutant from the air to a water stream that will be discharged to the POTW. Water from these devices may contain the toxicant in amounts that may be harmful to the WWTP or to worker safety and health.
  5 Domestic water should be between 30 and 100 gallons (with showers) per day per employee. More than this could be process wastewater that is unaccounted for.
  6 Cooling water, process non-contact is generally not considered to be process water.

7 & 8 Boiler/ Cooling tower blowdown, cooling water, HVAC normally is relatively unpolluted; however many users treat this type of water with corrosion inhibitors or biocides. This water cannot be completely ignored because it may contribute to a toxicity problem or to the levels of certain metals such as chromium and molybdenum. The Biocide/Chemical Pretreatment Worksheet – Form PT101 should be completed for all treatment chemicals to evaluate the potential for impact on the PTOW and environment.

- Long Form Part III Pretreatment Facilities.

  The use of a pretreatment device does not automatically require that the User have an SIU permit; however, a permit of some type is required per NCGS 143-215.1. Identify what pollutants are being removed and what the concentrations to the POTW would be if the pretreatment system fails. This can be an important factor in SIU determination.

- Long Form Part IV Categorical Information.

Question Number	Discussion
1	The facility startup date is used in applying federal categorical regulations to determine if the facility is an existing source or a new source. The POTW should also consider the dates when significant production changes were made for compliance with revisions to categorical regulations.
2	SIC codes should be analyzed for categorical applicability or other impact in the same manner as described in the short form section.
3	If the facility was previously subject to categorical regulations it is most likely still subject.
4	If other facilities are categorical, then probability exists of this facility being covered by the same category or by a related category.
5	The industry should indicate the categories that apply to their processes; however, many industries are unfamiliar with categorical regulations and may check off various categories unnecessarily.

As with the short form, failure of the user to respond to the long form should be followed up with another letter, phone call, an on site inspection or a Notice of Violation as provided for in the Sewer Use Ordinance (Model Section 8). A response should be received for all forms sent out. The review of the long form should give the reviewer a good basis for determining which industries will require an inspection to begin the permitting process. **If the response to any question offers the possibility that a user may require a permit, then an inspection should be conducted.** Information on conducting an inspection can be found in the Compliance chapter of this guidance. The conducting of inspections and the beginning of the permitting process completes the snapshot survey.

Summary to Division

The initial snapshot survey summary is sent to the Division as part of initial program approval and must include the following:

- Identify the sources used to develop the initial list, including those to address satellite communities and multi-user or rental properties owned by a third party. Use at least two sources. One source must be the *NC Manufacturers Register*.

- Describe the criteria used to eliminate users from the initial list.

- Discuss how the survey is completed in satellite communities.

- Number of short forms that were sent. All forms (short & long) must be returned to the POTW or further investigation conducted.

- Table of users sent short and/or long forms: This table should contain the name of the industry, indicate if service is provided by the POTW, if there is process wastewater discharge, the type of business conducted, the type of permit needed or the rationale for not permitting and an indication of inspection.

- Description of activities for on-going continuous IWS activities for the next 5 year cycle, including the POTWs procedures for becoming aware of new and changed industrial users, including those in satellite communities and multi-user or rental properties owned by a third party. See discussion in "Continuous Survey Procedures" below.

- An example snapshot IWS summary submission to the Division can be found in Appendix 3-E, along with a blank table in Appendix 3-G.

Please note that the POTW must retain copies of IWS related documents in their files including initial and revised lists, all short and long forms, summary submission to the Division and Division approval letter. The Division may review the complete industrial waste survey during a PCI or audit.

Continuous Survey Procedures

As was stated earlier, federal regulations require the POTW to develop and implement procedures to "identify and locate all possible industrial users that might be subject to the POTW pretreatment program." After the initial snapshot survey is completed, these procedures must be implemented on a continuous basis, with a summary submitted every 5 years.

The POTW needs to establish procedures to continually update its list of industrial users. The procedures for continuous IWS may use the same forms and sources of information as the snapshot survey.

- Suggested methods to stay informed

  · Have a list of new business licenses sent to you on a regular basis.

  · Have a list of new sewer customers sent to you on a regular basis.

  · Receive information from the Chamber of Commerce.

  · Participate in municipal committee reviewing new projects in the community.

- Send short/long IWS form and make SIU determination for each new or changed User.

- Consider need to concentrate on particular types of businesses.

  Some POTWs have had success using the IWS to concentrate on particular types of commercial users that are not SIUs but require attention. These may include: dentists (mercury and silver), laundries (phosphorus, surfactants, oil & grease), restaurants and other food preparation facilities (oil & grease), radiator repair shops (chrome, copper, oils, coolants, parts washers), printers (inks, dye wastes) and cabinet, furniture and sign makers (stains, lacquers, paints, stripping materials). For example, if a POTW has been experiencing problems with oil and grease, a survey sent to all food preparation facilities with a reminder to keep grease traps clean may be helpful. This survey may also be followed up with an inspection.

- Add new industries that were surveyed to the table.

- Resurvey everyone that was surveyed in the previous IWS submission at least once every 5 years and update the table.

- Call PERCS Unit to obtain current pages of the NC Manufacturers Register that pertain to your POTW and any satellite communities you serve. Compare to your current list and address any new/changed entries as needed.

- Submit a summary of the continuous industrial waste survey activities and results to the PERCS Unit every 5 years. See Appendix 3-F for an example on-going summary submission and Appendix 3-G for a blank table.

Dropping SIUs and Limited Pollutants

In the introduction to this chapter it was stated that an IWS was a good time to drop SIUs to less than SIU status. The guidance for dropping SIUs is found in Appendix 3-C.

Some POTWs have not recently reviewed their programs to determine if all users are still discharging at levels that require SIU status. For users that discharge below SIU status there are options that control the user discharges without the costs associated with SIU status.

Many POTWs have had success with a program that removes users from the formal pretreatment program and monitors them as Local Industrial Users (LIUs). Under this type of program, a User is locally permitted and may be controlled (limited or monitored) for any parameter at any frequency; however, the SIU permit requirements such as submittal of IUPs for Division approval, annual POTW inspection, semi-annual sampling, significant non-compliance determination, etc., are not applicable. In a very few instances (typically enforcement actions), the Division will require submission of information related to LIUs. These types of local programs can also be used effectively in conjunction with surcharge programs for certain types of industries that are not SIUs but have difficult-to-treat waste, e.g. very high BOD. These local programs can be tailored for POTW-specific parameters of concern.

Also, the POTW may review pollutants controlled in each SIU permit during the IWS. Many SIUs have pollutants controlled in their permits for which monitoring has never shown to have exceeded the minimum detection limit concentration. The POTW should evaluate the necessity of monitoring for pollutants that may not be pollutants of concern versus increased monitoring for an actual pollutant of concern. Information on determining what pollutants may require limiting can be found in the IUP Chapter 6 Appendix 6-E of this guidance. Information on when a pollutant limit can be dropped from a permit can be found in the Dropping an SIU section Appendix 3-C. Please be careful when evaluating monitoring data as some pollutants such as mercury can be below detection for a very long time, and yet still need to be controlled. Pollutants of concern that are found in high concentrations in the industrial treatment system influent and treated to low levels are still likely to require limits and monitoring to verify the treatment system is operating properly.

Chapter 3
Industrial Waste Survey

Appendix 3-A.

Industrial User Wastewater Survey Short Form

(Also available on the web site:
http://h2o.enr.state.nc.us/Pretreat/Files/files.html)

Industrial Waste Survey Short Form

This form has been sent to your business to determine types and sources of wastewater that are entering the_____. This form must be completed
(POTW Name)
in accordance with section _____ of our Sewer Use Ordinance (NC Model Section 5.7). Our Sewer Use Ordinance can be examined during normal business hours at the address listed below. If you have any question or concerns while completing the form please contact _____.
(Pretreatment Contact and Phone Number)

Name of Business _____

Address _____

City/State/Zip Code _____

Telephone: _____ Fax: _____

Number of Employees _____

What Standard Industrial Classification (SIC) Code(s) do you report under:

__ __ __ __ , __ __ __ __ , __ __ __ __ , __ __ __ __.

Briefly describe your business include products manufactured or services performed

_____

_____

Please list all water uses and **approximate** volume used in gallons per day for each use, including facility washdown water.

Water Use	Volume Used (gallons per day)
Process:	
Facility Washdown	
Domestic(bathrooms, cafeteria)	
Total:	

Our Sewer Use Ordinance requires that an Authorized Representative of the User sign all reports to the Sewer Authority. Authorized Representative is defined as a Person responsible for Principle Business decisions or other policy decisions for the facility.

To the Best of my knowledge the information on this form is true and accurate,

Signature_____Date_____

Title _____

Return this form by _____ to: _____
(Wastewater Treatment Plant)

_____
(Street)

_____
(City/State/Zip)

Failure to return this form is enforceable in accordance with the Sewer Use Ordinance.

Industrial Waste Survey Short Form

Chapter 3
Industrial Waste Survey

Appendix 3-B.

Industrial User Wastewater Survey Long Form

(Also available on the web site: http://h2o.enr.state.nc.us/Pretreat/Files/files.html)

Industrial User Wastewater Survey
& Permit Application

Industrial User Wastewater Survey
& Permit Application

COVER PAGE

Company Name:					
Name of responsible person on site at the facility authorized to represent the company in official dealings with the Sewer Authority and/or the City.			Name of alternative on site person familiar with the day-to-day operations, environmental permitting requirements, monitoring, record keeping, and data management.		
Title		Years with firm	Title		Years with firm
Phone #	Fax #		Phone #	Fax #	
Physical street address of facility			Official mailing address, if different. Note if same.		
City	State	Zip	City	State	Zip

The information provided by you on this questionnaire serves two functions:

1. The information is used to determine if your facility needs an Industrial User Pretreatment Permit (IUP) for the discharge of wastewater to the local sewer.
2. If an Industrial User Pretreatment Permit (IUP) is required, this survey serves as the application for an Industrial User Pretreatment Permit (IUP).

Requests for confidential treatment of information provided on this form shall be governed by procedures specified in 40 CFR Part 2. In accordance with Title 40 of the Code of Federal Regulations Part 403, Section 403.14 and the Local Sewer Use Ordinance (SUO), information and data provided in this questionnaire, which identifies the content, volume and frequency of discharge, shall be available to the public without restriction.

This is to be signed by an authorized official of your firm, as defined in the Local Sewer Use Ordinance or the NC Model Sewer Use Ordinance, Section 1.2, after completion of this form.

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

_____ _____

Signature of Authorized Representative listed above (seal if applicable) | Date

Industrial User Wastewater Survey & Permit Application

PART I. GENERAL INFORMATION:

1. Provide a brief narrative description of the type of business, manufacturing processes, or service activities your firm conducts at this site.

2. List the primary products produced at this facility:

3. List raw materials and process additives used:

4. Are biocides added to any water discharged to the POTW, if yes describe:

Yes	
No	

5. Describe weekly production schedule, including shifts worked per day, employees per shift, and primary operation during shift.

6. Production process is:

Check, if all continuous			
Check, if all batch			
If both please enter, % continuous =	%	% Batch =	%

PART I. GENERAL INFORMATION: (continued)

7. Does production vary significantly (+- 20 %) by season. Describe.

Yes	
No	

8. Are any significant (+- 20 %) changes in production that will affect wastewater discharge expected in the next 5 years. If yes, please describe.

Yes	
No	

9. List all current waste haulers. Give name, address, phone numbers, volume and materials hauled off.

10. Attach a copy of laboratory analyses performed in the last year on the wastewater discharge(s) from your facilities. Summarize data on the attached Data Summary Form.

11. Attach sketch or schematic showing sampling points and all connections to the sewer.

12. Complete the Wastewater Pollutants Checklist attached to this Survey.

PART I. GENERAL INFORMATION: (continued)

13. Do you have, or have you ever applied for, been issued, or been denied an NPDES permit to discharge to the surface waters or storm sewers of North Carolina? If yes, list all other NPDES permits, permit numbers, dates, and names used to apply for them, or reason denied.

If yes: Permit , #, date, applicant name	Yes	
If yes: Permit , #, date, applicant name	No	

14. Do you have, or have you ever applied for or been issued an Industrial User Pretreatment Permit (IUP) to discharge wastewater to the sewer collection system. If yes, list all other IUP permits, permit numbers, dates, and names used to apply for them.

If yes: Permit , #, date, applicant name	Yes	
If yes: Permit , #, date, applicant name	No	

15. Do you have, or have you ever applied for or been issued any other Environmental Permits (for example; air, RCRA, groundwater, stormwater, general, Non-Discharge, septic tank, etc.). If yes, list all other permits, permit numbers, dates, and names used to apply for them.

If yes: Permit type, #, date, applicant name	Yes	
If yes: Permit type, #, date, applicant name	No	
If yes: Permit type, #, date, applicant name		

16. Is a Spill Prevention Control and Countermeasure (SPCC) Plan prepared for this facility?

Yes	
No	

17. Is a Spill /Slug Control Plan required by the POTW, prepared for this facility?

Yes	
No	

PART I. GENERAL INFORMATION: (continued)

18. Do you have any underground storage tanks at your facility? If yes, list contents and volume of each tank.

Yes ☐
No ☐

19. Do you have any above ground storage tanks at your facility? If yes, for each tank, list the contents, volume, whether the tank has any spill prevention or containment devices, such as dikes, and procedures for draining any containment devices.

Yes ☐ # of Tanks ☐
No ☐

Industrial User Wastewater Survey & Permit Application

PART II, Water Supply, Use, & Disposal Worksheet:

Water Used for:	Water Source(s)	Avg. gal/day	Max. gal/day	Measured	Estimated	Disposal Method(s)	Avg. gal/day	Max. gal/day	Measured	Estimated
	(see Source List below)					(see Disposal List below)				
1. Process water										
2. Washdown water										
3. Water into product										
4. Air Quality Permitted units										
5. Domestic - toilets, drinking, café										
6. Cooling water, Process NON-Contact										
7. Boiler / Cooling tower blowdown										
8. Cooling water, HVAC										
9. Other:										
	Totals =>					Totals =>				

Typical Water Sources:

1. City / Public supply
2. Private wells, drinking
3. Groundwater remediation wells
4. Private ponds
5. Surface waters of NC, please identify
6. Include others if applicable

Possible Water Disposal Methods

1. Sanitary sewer, with pretreatment
2. Sanitary sewer, without pretreatment
3. Storm sewer
4. Surface waters of NC
5. Evaporation
6. Land applied
7. To groundwater
8. Septic Tank
9. Waste Haulers (identify)
10. Water into Product
11. Include others, if applicable

PART III, PRETREATMENT FACILITIES:

Are there any pretreatment devices or processes used for treating wastewater before being discharged to the sewer? Check all that are present, and describe.

No pretreatment facilities => ☐

1. Flow equalization
   - Aerated equalization => ☐
   - NON-Aerated equalization => ☐
   - Total volume of equalization (million gal.) => ☐

					Describe any, if present.
2.	Activated Carbon	Yes ☐	No ☐		
3.	Activated Sludge	Yes ☐	No ☐		
4.	Air Stripping	Yes ☐	No ☐		
5.	Centrifugation	Yes ☐	No ☐		
6.	Chemical Precipitation	Yes ☐	No ☐		
7.	Chlorination	Yes ☐	No ☐		
8.	Cyanide Destruction	Yes ☐	No ☐		
9.	Cyclone	Yes ☐	No ☐		
10.	Dissolved Air Floatation	Yes ☐	No ☐		
11.	Filtration	Yes ☐	No ☐		
12.	Flocculation	Yes ☐	No ☐		
13.	Grease Trap	Yes ☐	No ☐		
14.	Grit Removal	Yes ☐	No ☐		
15.	Ion Exchange	Yes ☐	No ☐		
16.	Neutralize, pH adjust	Yes ☐	No ☐		
17.	Other Biological Treatment	Yes ☐	No ☐		
18.	Ozonation	Yes ☐	No ☐		
19.	Reverse Osmosis	Yes ☐	No ☐		
20.	Screening	Yes ☐	No ☐		
21.	Sedimentation	Yes ☐	No ☐		
22.	Septic Tank	Yes ☐	No ☐		
23.	Silver Recovery	Yes ☐	No ☐		
24.	Solvent Separation	Yes ☐	No ☐		
25.	Spill protection	Yes ☐	No ☐		
	List any others.				

PART IV, CATEGORICAL INFORMATION:

1. When were operations started at this facility — Facility start up date

2. List all Standard Industrial Classification (SIC) codes for your facility. These may be found on State Unemployment forms, tax forms, accounting records, or from the Chamber of Commerce.

3. Has this facility ever been considered a Categorical Industrial User (CIU) as described by the Code of Federal Regulations (40 CFR)?

If yes, give complete 40 CFR number =>

No

4. Are any other facilities owned and/or operated by your company permitted as Categorical Industrial Users (CIUs) as described by the Code of Federal Regulations (40 CFR)?

If yes please give name(s), location, and 40 CFR number.

Yes

No

PART IV, CATEGORICAL INFORMATION:
(continued)

5. Check any activities listed below that are performed at your facility:

Check below	40 CFR#	Industrial Activity	Check below	40 CFR#	Industrial Activity
	467	Aluminum Forming		432	Meat products
	427	Asbestos Manufacturing		433	Metal finishing
	461	Battery Manufacturing		464	Metal molding and casting
	431	Builders paper & board mills		436	Mineral mining and processing
	407	Canned & preserved fruits & veg.		471	Nonferrous Metal, Form & Powders
	408	Canned & preserved seafood		421	Nonferrous Metals Manufacturing
	458	Carbon black Manufacturing		414	OCPSF, Organic Chemicals, Plastics,
	411	Cement Manufacturing			& Synthetic Fiber Manufacturing
	437	Centralized Waste Treatment		435	Oil & gas extraction
	434	Coal Mining		440	Ore mining and dressing
	465	Coil Coating		446	Paint formulating
	468	Copper Forming		443	Paving and roofing materials Mfg.
	405	Dairy products processing		455	Pesticide Manufacturing
	469	Electrical, electronic components		419	Petroleum Refining
	413	Electroplating		439	Pharmaceutical Manufacturing
	457	Explosives Manufacturing		422	Phosphate Manufacturing
	412	Feedlots		459	Photographic supplies
	424	Ferro allay Manufacturing		463	Plastics molding and forming
	418	Fertilizer Manufacturing		466	Porcelain enameling
	464	Foundries, Metal Mold & Casting		430	Pulp, paper, and paperboard
	426	Glass Manufacturing		428	Rubber Manufacturing
	406	Grain mills		417	Soap & Detergent Manufacturing
	454	Gum & Wood Chemicals Mfg.		423	Steam Electric power Generation
	460	Hospitals		409	Sugar processing
	447	Ink formulating		410	Textile Mills
	415	Inorganic chemical Manufacturing		429	Timber products processing
	420	Iron & Steel Manufacturing		442	Transportation Equipment Cleaning
	425	Leather Tanning & Finishing		Others	

Wastewater Pollutant Checklist

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Acid Extractable Organics						
2-Chlorophenol	34586					
2,4-Dichlorophenol	34601					
2,4-Dimethylphenol	34606					
2,4-Dinitrophenol	34616					
2-Methyl-4,6-dinitrophenol	34657					
4-Chloro-3-methylphenol	34452					
2-Nitrophenol	34591					
4-Nitrophenol	34646					
Pentachlorophenol	39032					
Phenol	34694					
2,4,6-Trichlorophenol	34621					
Base Neutral Organics						
1,2,4-Trichlorobenzene	34551					
1,2-Dichlorobenzene	34536					
1,2-Diphenylhydrazine	34346					
1,3-Dichlorobenzene	34566					
1,4-Dichlorobenzene	34571					
2,4-Dinitrotoluene	34611					
2,6-Dinitrotoluene	34626					
2-Chloronaphthalene	34581					
3,3-Dichlorobenzidine	34631					
4-Bromophenyl phenyl ether	34636					
4-Chlorophenyl phenyl ether	34641					
Acenaphthene	03405					
Acenaphthylene	34200					
Anthracene	34220					
Benzidine	39120					
Benzo (a) anthracene	34526					
Benzo (a) pyrene	34247					
Benzo (b) fluoranthene	34230					
Benzo (ghi) perylene	34521					
Benzo (k) fluoranthene	34242					
Bis(2-chloroethoxy) methane	34278					
Bis(2-chloroethyl) ether	34273					
Bis(2-chloroisopropyl) ether	34283					
Bis(2-ethylhexyl) phthalate	39100					
Butyl benzyl phthalate	34292					
Chrysene	34320					
Di-n-butyl phthalate	39110					

Wastewater Pollutant Checklist

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Base Neutral Organics (continued)						
Di-n-octyl phthalate	34596					
Dibenzo (a,h) anthracene	34556					
Diethyl phthalate	34336					
Dimethyl phthalate	34341					
Fluoranthene	34376					
Fluorene	34381					
Hexachlorobenzene	39700					
Hexachlorobutadiene	34391					
Hexachlorocyclopentadiene	34386					
Hexachloroethane	34396					
Indeno(1,2,3-cd) pyrene	34403					
Isophorone	34408					
N-nitroso-di-n-propylamine	34428					
N-nitrosodimethylamine	34438					
N-nitrosodiphenylamine	34433					
Naphthalene	34696					
Nitrobenzene	34447					
Phenanthrene	34461					
Pyrene	34469					
Metals						
Aluminum	01104					
Antimony	01097					
Arsenic	01002					
Beryllium	01012					
Cadmium	01027					
Chromium	01034					
Copper	01042					
Lead	01051					
Mercury	71900					
Molybdenum	01062					
Nickel	01067					
Selenium	01147					
Silver	01077					
Thalium	00982					
Zinc	01092					

Wastewater Pollutant Checklist

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Other Inorganics						
Barium	01007					
Chloride	00940					
Cyanide	00720					
Fluoride	00951					
Purgeable Volatile Organics						
1,1,1-Trichloroethane	34506					
1,1,2,2-Tetrachloroethane	34516					
1,1,2-Trichloroethane	34511					
1,1-Dichloroethane	34496					
1,1-Dichloroethylene	34501					
1,2-Dichloroethane	34531					
1,2-Dichloropropane	34541					
2-Chloroethyl vinyl ether	34576					
Acrolein	34210					
Acrylonitrile	34215					
Benzene	34030					
Bromodichloromethane	32101					
Bromoform	32104					
Bromomethane	34413					
Carbon tetrachloride	32102					
Chlorobenzene	34301					
Chloroethane	34311					
Chloroform	32106					
Chloromethane	34418					
cis 1,3-Dichloropropene	34704					
Dibromochloromethane	32105					
Ethylbenzene	34371					
Methylene chloride	34423					
Tetrachloroethylene	34475					
Toluene	34010					
trans 1,3-Dichloropropene	34699					
trans-1,2-Dichloroethylene	34546					
Trichloroethylene	39180					
Trichlorofluoromethane	34488					
Vinyl chloride	39175					
Others						
Xylene						

Industrial User Wastewater Survey & Permit Application

Data Summary Form

	<=Receiving POTW
	<= Receiving NPDES #
	<= Specific Sample Location
	i.e., Give IU Name, IUP#, and/or pipe#

Lab => Laboratory performing analysis =>
MDL => Laboratory Method Detection Limits =>
Notes => Notes =>

Q = Flow

Sample ID, or Count	Date Sample Collected	Notes about Sample	M = Metered E = Estimated	mgd	gal/day	**BOD** <?	Conc. Results from Lab mg/l	**TSS** <?	Conc. Results from Lab mg/l	**Ammonia** <?	Conc. Results from Lab mg/l
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

TNS => Total number of samples =>
Max. value => Maximum data value (mg/l) =>
Avg. (use 1/2 BDL) => Avg. data value, Include BDL values as 1/2 detection limit =>

Industrial User Wastewater Survey & Permit Application

Data Summary Form

	<= Receiving POTW
	<= Receiving NPDES #
	<= Specific Sample Location
	i.e., Give IU Name, IUP#, and/or pipe #

		Arsenic		**Copper**		**Chromium**		**Cadmium**		**COD**		**Copper**	
	Lab =>												
	MDL =>												
	Notes =>												
Sample ID or Count	Date Sample Collected		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab
		<?	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
	TNS =>												
	Max. Value =>												
	Avg. (use1/2 BDL) =>												

Data Summary Form

	<= Receiving POTW
	<= Receiving NPDES #
	<= Specific Sample Location
	i.e., Give IU Name, IUP#, and/or pipe #

		Cyanide		**Lead**		**Mercury**		**Nickel**		**Silver**		**Zinc**	
	Lab =>												
	MDL =>												
	Notes =>												
Sample ID or Count	Date Sample Collected		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab
		<?	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
	TNS =>												
	Max. Value =>												
	Avg. (use1/2 BDL) =>												

Data Summary Form

	<= Receiving POTW
	<= Receiving NPDES #
	<= Specific Sample Location
	i.e., Give IU Name, IUP#, and/or pipe #

		Other		**Other**		**Other**		**Other**		**Other**		**Other**	
	Lab =>												
	MDL =>												
	Notes =>												
Sample ID or Count	Date Sample Collected		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab		Conc. Results from Lab
		<?	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l	**<?**	mg/l
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
	TNS =>												
	Max. Value =>												
	Avg. (use1/2 BDL) =>												

Industrial User Wastewater Survey & Permit Application

Part V, Waste Reduction Information:

State Pretreatment Rule 15 A NCAC 2H.0916 (c)(1)(M) requires Significant Industrial Users to include a description of current and projected waste reduction (pollution prevention) activities. The codes listed are standard EPA codes found on Toxic Release Inventory and other environmental forms. Please check all applicable codes for your facility related to wastewater discharge.

Current	Projected	Code	Description
		W13	Improved maintenance scheduling recordkeeping, or procedures
		W14	Changed production schedule to minimize equipment and feedstock changeovers
		W19	Other changes in operating practices (explain briefly in comments)
		W21	Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life
		W22	Began to test outdated material-continue to use if still effective
		W23	Eliminated shelf-life requirements for stable materials
		W24	Instituted better labeling procedures
		W25	Instituted clearinghouse to exchange materials that would otherwise be discarded
		W29	Other changes in Inventory control (explain briefly in comments)
		W31	Improved storage or stacking procedures
		W32	Improved procedures for loading, unloading and transfer operations
		W33	Installed overflow alarms or automatic shutoff valves
		W34	Installed secondary containment
		W35	Installed vapor recovery systems
		W36	Implemented inspection or monitoring program of potential spill or leak sources
		W39	Other spill and leak prevention (explain briefly in comments)
		W41	Increased purity of raw materials
		W42	Substituted raw materials
		W49	Other raw material modifications (explain briefly in comments)
		W51	Instituted recirculation within a process
		W52	Modified equipment, layout, or piping
		W53	Use of a different process catalyst
		W54	Instituted better controls on operating bulk containers to minimize discarding of empty containers

Part V, Waste Reduction Information: (continued)

Current	Projected	Code	Description
		W55	Changed from small volume containers to bulk containers to minimize discarding of empty containers
		W58	Other process modifications (explain briefly in comments)
		W59	Modified stripping / cleaning equipment
		W60	Changed to mechanical stripping / cleaning devices (from solvents or other materials)
		W61	Changed to aqueous cleaners (from solvents or other materials)
		W62	Reduced the number of solvents used to make waste more amenable to recycling
		W63	Modified containment procedures for cleaning units
		W64	Improved draining procedures
		W65	Redesigned parts racks to reduce dragout
		W66	Modified or installed rinse systems
		W67	Improved rinse equipment design
		W68	Improved rinse equipment operation
		W71	Other cleaning and degreasing operation (explain briefly in comments)
		W72	Modified spray systems or equipment
		W73	Substituted coating materials used
		W74	Improved application techniques
		W75	Changed from spray to other system
		W78	Other surface preparation and finishing (explain briefly in comments)
		W81	Changed product specifications
		W82	Modified design or composition of product
		W83	Modified packaging
		W89	Other product modifications (explain briefly in comments)
		W99	Other (specify in comments)

Comments (please list corresponding code)

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-C
Dropping a User from Significant Industrial User Status

The POTW's list of Significant Industrial Users is a part of the POTW's Division approved pretreatment program, and revisions to this list must be submitted for approval by the Director. This guidance describes when an SIU can be removed from SIU status and how to submit the request to the Division. Remember that an SIU does not **have to** be removed from SIU status just because it is eligible for removal; it is the responsibility of the POTW to protect the wastewater treatment plant, the receiving stream, POTW workers and sludge quality from adverse impact.

The State Pretreatment Regulations are currently under revision and changes should be adopted in the near future. The Draft North Carolina Administrative Code Section 15A NCAC 2H .0903 (b) outlined below, defines Significant Industrial User(SIU) as an industrial user which discharges into a publicly owned treatment works and which

1. Discharges an average 25, 000 gallons or more per day of process wastewater, or

2. Contributes more than 5% of the design flow or maximum allowable headworks loading of the POTW treatment plant for any pollutant of concern, or

3. Is required to meet a national categorical pretreatment standard, or

4. Is determined by the control authority to have a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement or receiving stream standard, or to limit the POTW's sludge disposal options.

State Administrative Code section 15 A NCAC 2H .0907 (c) provides rules for determining if the SIU list can be revised. When requesting to drop a user from SIU status the Drop Consideration Factors are as follows:

A. The industry no longer fits the criteria outlined in .0903 (b) listed above, or

B. The wastewater treatment plant receiving the discharge has significant available capacity for flow and all pollutants reasonably expected to be in the SIUs discharge (as discussed in Appendix 6-E.)

Drop Consideration Factor A Submission Requirements :

Drop consideration Factor A requires that the User no longer fits any of the SIU criteria. Submission for Drop Consideration A should be as follows:

I. No process flow: No process flow is most likely due to the industry going out of business or converting a plant to office staff only. The installation of a 100% recycle system is another possible cause of no process flow. If a 100% recycle system is installed, the POTW may wish to establish some measure of monitoring or surveillance to ensure that no discharge is occurring. The Division needs a copy of the letter from the POTW to the user stating that their permit is revoked. This letter should include a short explanation as to the reason that the flow has ceased. This letter is necessary so that the Division's list of SIUs will match the POTW's.

II. Process flow below a 25,000 gallon per day average, contributes less than 5% of the design flow, and contributes less than 5% of the maximum allowable headworks loading (MAHL) for any pollutant of concern:

a. Submit to the Division data (previous 12 months) or a statement from the industry that indicates the process flow is below and will remain below 25,000 gpd and below 5% of the design flow of the WWTP; and

b. Submit to the Division data (previous 12 months) and a data summary that indicates the industry discharges less than 5% of the maximum allowable headworks loading(MAHL) for any pollutant of concern. To express this mathematically:

$$(0.05)(MAHL) > (8.34)(Q_{SIUAVG})(C_{SIUAVG})$$

where
MAHL = Maximum Allowable Headworks Loading, lbs/day
Q_{SIUAVG} = Average SIU Flow for the last 12 months, MGD
C_{SIUAVG} = Average SIU Pollutant Concentration for the last 12 months, mg/l

Note: If even one pollutant exceeds 5% of the MAHL, then the User must remain an SIU, unless the SIU qualifies for drop under Drop Consideration B.

III. Industry is no longer categorical: An industry may stop manufacturing the products or using the processes that originally made them subject to federal categorical pretreatment regulations. Also, the Industry may stop discharging from the categorical processes. The POTW should submit to the Division a letter stating why the industry is no longer categorical and that categorical requirements were the only reason for SIU status.

Note: Industries that continue to conduct processes that are subject to Categorical Regulations must remain SIUs regardless of flow or pollutant loading, unless the discharge of the categorical process wastewater ceases entirely.

Drop Consideration Factor B

It is possible to remove a User from SIU status even if industrial user permit limits are required because of process flow greater than 25,000 gpd, process flow greater than 5% of the design flow, or pollutant discharge loads greater than or equal to 5% of the MAHL. This is possible if the POTW has significant available capacity. Significant Available Capacity is defined as 50% or greater available capacity for a particular parameter (further information available in Local Limits Guidance of IUP Chapter 6). For determining available treatment capacity, the 12-month average POTW influent concentration and flow should be used. Influent concentrations below the detection level should be evaluated at one-half (1/2) the detection level.
To express this mathematically:

for pollutants:

$$(8.34)(Q_{POTWAVG})(C_{POTWAVG}) / (MAHL) < 0.5$$

for flow:

$$(Q_{POTWAVG}) / (Q_{DESIGN}) < 0.5$$

where
MAHL = Maximum Allowable Headworks Loading, lbs/day
$Q_{POTWAVG}$ = Average POTW Flow for the last 12 months, MGD
$C_{POTWAVG}$ = Average POTW Influent Concentration for the last 12 months, mg/l
Q_{DESIGN} = POTW Design Flow, MGD

To prove that a User may be dropped under Drop Factor B, submit to the Division POTW flow and influent pollutant concentration data (previous 12 months) and a data summary that indicates the POTW has significant available capacity.

Note: Revision of the headworks analysis may lower the MAHL value; therefore, previously dropped industries may require repermitting in the future.

Note: Future normal growth in the area served by the POTW may cause the reserve capacity for flow or pollutants to be reduced; therefore previously dropped industries may require repermitting in the future.

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-C
Dropping a User from Significant Industrial User Status

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-D Categorical Regulations Summary

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Aluminum Forming						
Processes by which aluminum or aluminum alloys are changed in size and shape. Processes include rolling, extrusion, forging and drawing	467	3353 3354 3355 3357 3463	A - Rolling with Neat Oils B - Rolling w/ Emulsions C - Extrusion D - Forging E - Drawing w/ Neat Oils F – Drawing w/ Emulsions or Soaps	10/24/83	11/22/82	Cr, CN, Zn, TTO
Asbestos Manufacturing	427	2621 3292	All Subparts No Pretreatment Standards	2/11/75	N/A	None
Battery Manufacturing						
Processes by which a wide variety of consumer and industrial batteries are produced	461	3691 3692	A – Cadmium B – Calcium C – Lead D – Leclanche E – Lithium F – Magnesium G – Zinc	3/9/84	11/10/82	Cd, Ni, Zn, Co, Cu, Pb, Mn, Hg, Cr, Ag, CN
Builders Paper& Board Mills						
Manufacture of builders paper and roofing felt from wastepaper	431	2621		11/18/82		Pentachlorophenol, Trichlorophenol
Canned & preserved fruits & vegetables	407	Various	All Subparts No Pretreatment Standards	2/11/75		None

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-D Categorical Regulations Summary

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Canned & preserved Seafood processing	408	Various	All Subparts No Pretreatment Standards	2/11/75		None
Carbon Black Manufacture						
Manufacture of Carbon Black by various processes	458	2895	A – Furnace Process B – Thermal Process C – Channel Process D – Lamp Process	1/9/78		Oil & Grease
Cement Manufacture	411	Various	All Subparts No Pretreatment Standards	2/20/74		None
Centralized Waste Treatment						
Treatment and recovery of hazardous and non-hazardous industrial metal-bearing wastes, oily wastes and organic wastes received from off-site	437	2895	A – Metals Treatment & Recovery B – Oils Treatment & Recovery C – Organic Treatment & Recovery D – Multiple	1/5/01	1/13/99 per EPA 8/11/05, the 8/8/00 date is incorrect	Sb, As, Cd, Cr, Co, Cu, Pb, Hg, Ni, Ag, Sn, Ti, V, Zn, cyanide and 8 organic compounds
Coal Mining	434	1221 1222	All Subparts No Pretreatment Standards	10/9/85		None
Coil Coating						
Processes by which long thin strips of metal(coils) are cleaned and painted with an organic paint, includes canmaking	465	3411 3412 3479 3497	A – Steel Basis Material B – Galvanized Basis C – Aluminum Basis D - Canmaking	12/1/82 11/17/83	11/22/82 2/10/83	Cr, CN, Zn, TTO, Oil & Grease, Mn, F, Phosphorus, Cu

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-D Categorical Regulations Summary

industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Copper Forming						
Processes by which copper is changed in size or shape includes rolling, drawing, extrusion	468	3351 3357 3463	A- Copper Forming B-Beryllium Copper forming	8/15/83	11/12/82	Cr, Cu, Pb, Ni, Zn, TTO, Oil & Grease
Dairy Products	405	Various	All Subparts No Pretreatment Standards	5/28/74		None
Electrical & Electronic Components						
Manufacture of a broad array of electrical and electronic products includes: semiconductors and cathode ray tubes	469	3339 3612 3624 3641 3671 3672 3673 3674 3677 3679 3993	A - Semiconductor B - Electronic Crystals C – Cathode Ray Tube D - Luminescent	12/14/83	3/9/83	As, Cd, Cr, F, P, Mn, TTO Oil & Grease

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Electroplating						
Processes include electroplating, electroless plating, anodizing, some coatings, chemical etching and milling, and printed circuit board manufacture. Printed circuit board manufacture is creating the board pattern, not board assembly	413	3398 3399 Any 3400 Any 3500 Any 3600 Any 3700 Any 3800 Any 3900	A – Electroplating of Common Metals B – Electroplating of Precious Metals D – Anodizing E – Coatings F – Chemical Etching and Milling G – Electroless Plating H – Printed Circuit Board Manufacture	1/28/81 with amend for TTO 7/15/83	7/3/80	Cd, Cr, Cu, Pb, Ni, Ag, CN, Zn, TTO
Explosives Manufacture	457	2892	All Subparts No Pretreatment Standards	3/9/76		None
Feedlots	412	0211 0213 0214 0259	All Subparts No Pretreatment Standards	2/14/74		None
FerroAlloy Manufacture	424	Various	All Subparts No Pretreatment Standards			None

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Fertilizer Manufacturing						
Manufacture of chemical fertilizer	418	2873 2874 2875	A - Phosphate B – Ammonia C – Urea D – Ammonium Nitrate E – Nitric Acid F – Ammonium Sulfate G – Mixed & Blend	4/8/74	12/7/73	Ammonia, Nitrates, Phosphorus
Glass Manufacture						
Processes in which raw materials are used to make various glass products including fiberglass insulation. also includes the treatment of glass for use in automobiles	426	3211 3296 3221 3229	A – Insulation Fiberglass B – Sheet Glass C – Rolled Glass D – Plate Glass E – Float Glass G – Automotive Glass H – Glass Container K – Television Picture Tube L – Incandescent Lamp M – Hand Press and Blown	1/22/74	10/17/73	Phosphorus, Oil (mineral), Fluoride
Grain Mills Point Source	406	Various	All Subparts No Pretreatment Standards	3/20/74		None
Gum & Wood Chemicals	454	Various	All Subparts No Pretreatment Standards	5/18/76		None

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Hospitals	460	8071 8062 8069 8063	No Pretreatment Standards	5/6/76		None
Ink Formulating	447	2899 2893	No Pretreatment Standards	7/28/75		No Discharge
Inorganic Chemical Manufacture						
Encompasses the manufacture of all chemicals not containing any carbon	415	2812 2813 2816 2819	**66 Individual Subcategories**	6/29/82	Varies	Hg, Pb, F, Ni, Zn, Cr, COD, Fe, TSS, Cu, Se, CN, Cd, Co, Sb, As
Iron & Steel Manufacturing						
Includes all processes used in the manufacture of iron and steel including forming and casting	420	3312 3313 3315 3316 3317 3462 3479 3493	A – Cokemaking B – Sintering C – Ironmaking D – Steelmaking E – Vacuum Degassing F – Continuous Casting G – Hot Forming H – Salt Bath Descaling I – Acid Pickling J – Cold Forming K – Alkaline Cleaning L – Hot Coating	5/27/82	1/7/81	Cr, CN, Ni, Pb, Zn, Ammonia, Naphthalene, Tetrachloroethylene

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Leather Tanning & Finishing						
Includes processes used to convert animal hides and skins into leather. Does not includes facilities that use purchased leather	425	3353 3354 3355 3357 3463	A – Hair Pulp, Chrome Tan, Retan – Wet Finish B – Hair Save, Chrome Tan, Retan – Wet Finish D – Retan – Wet Finish E – No Beamhouse F – Thru the Blue G – Shearling H – Pig Skin I – Retan Wet Finish splits		7/2/79 all except subpart C 1/21/87	Cr, Sulfides
Meat Products	432	Various	All Subparts No Pretreatment Standards	2/28/74 9/8/04		None
Metal Finishing						
Includes the six core metal finishing operations: Electroplating, electroless plating, anodizing, coating (chromating & phosphating), chemical etching & milling and printed circuit board manufacture. Also include shop that conduct one of these processes as non-discharge but do conduct various other metal processes.	433	3353 3354 3355 3357 3463	A- Metal Finishing **Note: Pre-existing Job Shops are covered under electroplating regulation # 413.**	7/15/83	8/31/82	Cd, Cr, Cu, Pb, Ni, Ag, CN, Zn, TTO

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Metal Molding & Casting						
The raw materials for this industry are aluminum, copper, iron, lead, magnesium, or zinc. These metals are melted and poured or forced into a mold	464	3321 3322 3324 3325 3361 3362 3369	A - Aluminum Casting B - Copper Casting C - Ferrous Casting D - Zinc	10/30/85	11/15/82	Cr, Pb, Zn, TTO, Oil & Grease, Phenols
Mineral Mining and Processing	436	Various	All Subparts No Pretreatment Standards	10/16/75		None
NonFerrous Metals Forming and Metal Powders						
This category includes the forming and production of all metals and alloys that are not primarily iron. Also includes production of metal powders from such processes as milling	471	3356 3357 3463 3497	A - Lead –Tin-Bismuth Forming B – Magnesium Forming C -Nickel –Cobalt forming D - Precious Metal Forming E – Refractory Metals Forming F - Titanium Forming G - Uranium Forming H - Zinc Forming I - Zirconium – Hafnium J - Metal Powders	8/23/85	3/5/84	Sb, Pb, Cr, Zn, F, Ni, Cd, Cu, CN, Ag, Mo, Ammonia

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
NonFerrous Metal Manufacturing						
Category includes industries that produce metals from ore concentrates or recover metals from recycled wastes	421	3331 3332 3333 3334 3339 3341	**31-Individual Subcategories A-AE**	Subpart A-M 3/8/84 Subparts N-AE 9/20/85 Subpart J 1/21/88	Subpart A-M 2/17/83 Subparts N-AE 6/27/84 Subpart J 1/22/87	Ni, F, Pb, Zn, As, Cu, Cd, Sb, Hg, Be, Cr, CN, Indium, Se, Mo, Fe, Co, Ag, Au, Ta, Sn, Ti, W, Benzo(a)pyrene, Phenolics, Hexachlorobenzene
Organic Chemicals, Plastics and Synthetic Fibers						
Includes industries that produce an exceptionally broad range of industrial organic chemicals (chemicals with at least one carbon atom) plastics and synthetic fibers	414	2821 2823 2824 2865 2869 2843 2845	A – General B – Rayon Fibers C – Other Fibers D – Thermoplastic Resin E – Thermosetting Resin F – Commodity Organic Chemicals G – Bulk Organic Chemicals H – Specialty Organic Chemicals	11/5/87	3/21/83	Multiple Organics, CN, Pb, Zn, TSS and BOD
Oil & Gas Extraction	435	Various	All Subparts No Pretreatment Standards	4/13/79		None

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Appendix 3-D Categorical Regulations Summary

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Ore Mining & Dressing	440	Various	All Subparts No Pretreatment Standards	12/3/82		None
Paint Formulating	446	Various	A-Oil-Base Solvent Wash	7/28/75		No Discharge
Paving & Roofing Materials						
Category includes industries that produce tars and asphalt	443	2851 2951	A – Asphalt Emulsion B – Asphalt Concrete C – Asphalt Roofing D – Linoleum & Printed Felt	7/24/75		Oil& Grease
Pesticide Manufacture						
Category includes industries that produce formulate or package chemicals whose purpose is to control undesirable plants and animals	455	2879	A – Organic Pesticide Chemicals B – Metallo-Organic Pesticide C – Pesticide Chemical Formulating and Packaging	12/15/1986 Update to be promulgated ~8/30/93		Subpart A COD, BOD, TSS, Organic pesticide residue Subpart B & C No Discharge
Petroleum Refining						
Category includes facilities that produce petroleum products such as gasoline, heating oil and asphalt	419	2911 2951 2992 2999	A – Topping B – Cracking C – Petrochemical D – Lube E - Integrated	10/18/82	12/21/79	Oil & Grease, Ammonia, Cr

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Pharmaceutical Manufacture						
Category includes the manufacture of chemicals or feed of medicinal value includes processes of chemical synthesis, fermentation or natural sources	439	2831 2833 2834 2844	A – Fermentation Products B – Extraction Products C – Chemical Synthesis D – Mixing / Compounding & Formulation E- Research	10/27/83 10/5/98	11/26/82 5/2/95	Ammonia, cyanide Added up to 23 organic compounds
Phosphate Manufacture	422	2819 2874	All Subparts No Pretreatment Standards	2/20/74		None
Photographic	459	7384	All Subparts No Pretreatment Standards	7/14/76		None
Plastics Molding	463	7384	All Subparts No Pretreatment Standards	12/17/84		None
Porcelain Enameling						
Category processes by which ceramic or fused silicate is applied to a basis metal includes the operations of preparing the metal	466	3431 3469 3631 3632 3633 3639	A – Steel Basis Material B – Cast Iron Basis Material C – Aluminum Basis Material D – Copper Basis Material	11/24/82	2/27/81	Cr, Pb, Ni, Zn

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Pulp, Paper, and Paperboard						
Manufacture of pulp, paper and paperboard.	430	2621 2611 2631 2641 2661 2646	**12 Individual Subparts**	11/18/82	1/6/81	Pentachlorophenol, Trichlorophenol
Rubber Manufacturing						
Category includes processes by which rubber from natural or synthetic sources is made and or formed into products such as tires	428	3061 3069 2822 3011	D – Latex Rubber E – Small Sized General Molded, Extruded and Fabricated Rubber Plants F – Medium Sized G – Large Sized H – West Digestion Reclaim I – Pan, Dry Digestion & Mechanical Reclaim J – Latex-Dipped, Extruded & Molded K – Latex Foam	2/21/74		Cr, Pb, Zn, Oil & Grease, COD

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Industrial Waste Survey Guidance
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Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Soap & Detergent Manufacture	417	Various	All Subparts No Pretreatment Standards	4/12/74		None
Steam Electric Power Generating						
Includes facilities that produce steam to generate electricity for distribution and sale	423	4911		11/19/82	10/14/80	Cu, Cr, Zn and calculation of 126 Organics (Priority Pollutants)
Sugar Processing	409	2061 2062 2065	All Subparts No Pretreatment Standards	1/31/74		None
Textiles	410	Various	All Subparts No Pretreatment Standards	9/2/82		None
Timber Products						
Includes facilities which produce lumber, wood and boards: sawmills, plywood plants and wood processing plants	429	2435 2436 2439 2491 2492 2499 2661	F-Wood Preserving Waterborne or NonPressure G – Wood Preserving Steam H – Wood Preserving Boulton	1/26/81	10/31/79	Subparts G & H As, Cu, Cr and Oil & Grease Subpart F No Discharge

Industrial Category Category Description	40 CFR Reference	SIC Codes (Partial List)	Subparts	Promulgation Date	New Source Date	Regulated Parameters for Pretreatment
Transportation Equipment Cleaning						
Cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos	442	7699 4741 4491	4 subparts covering transport of chemical, petroleum or food grade cargos by tank truck, intermodal tank container, rail tank cars, tank barges and ocean/sea tankers	8/28/00	6/25/98	Non-polar material (SGT-HEM), fluoranthene, phenanthrene, Cd, Cr, Cu, Pb, Hg, Ni, Zn

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-E: Snapshot Survey Summary

City of Metropolis Water & Sewer Authority

June 27, 2000

Deborah Gore
NC DWR PERCS Unit Supervisor
1617 Mail Service Center
Raleigh, NC

Subject: Industrial Waste Survey Summary

Dear Ms. Gore:

The City of Metropolis is required by NPDES permit Part IV, B, 4 to develop a Pretreatment Program prior to accepting waste from any Significant Industrial User. As part of program approval NCAC .0906 requires an Industrial Waste Survey to identify industrial users meeting the definition of Significant Industrial User.

On January 6, 2000 the City received a request from Bob's Metal Products, a categorical metal finisher under 40 CFR 433, to tie-on to the City's collection system. The request included a completed Industrial User Wastewater Survey and Permit Application. Bob's Metal Products currently holds NPDES permit NC0098765 and is unable to consistently comply with the permit limits. Review of the facility's data shows that they can comply with the Federal pretreatment standards and our new headworks analysis shows the City can safely accept their discharge. This initial, or "snapshot", survey is the last program element to be submitted for program approval.

The initial list was developed using the NC Manufacturers Register, water billing records, telephone book and Chamber of Commerce roster. 40 short surveys were sent out initially on February 1, 2000 with a due date of March 10. All surveys were returned, except for one from Madern USA, which has closed.

The PERCS Unit provided the pages from the NC Manufacturers Register for the City of Metropolis as well as for the satellite community of Smallville. Metropolis owns and operates Smallville collection system and all users are customers of Metropolis. All of the facilities listed on the NC Manufacturers Register were sent surveys. There were 20 listings for the City of Metropolis and 3 for the Town of Smallville. Bob's Metal Products was included on the City's list, but was not sent a short form survey since they had already submitted the application.

The definition of SIU includes any facility discharging on average more than 25,000 gpd of process wastewater. Based on approximately 20 working days per month, a facility meeting this definition would use at least 500,000 gallons of water per month. During the initial survey the City wanted to take a more conservative approach and sent a survey to any facility using more than 250,000 gallon per month. There were 3 facilities meeting this criterion that were not listed on the NC Manufacturers Register that were included in the survey.

The local telephone book yellow pages were also reviewed for the initial survey. Surveys were sent to facilities listed in the following categories: Asbestos Removal (1); Boat Repair & Painting (1);

Environmental/Ecological Services (3); Laboratories, Testing (4); Metal Fabricators (1); Waste Reduction, Disposal – Industrial (2).

The Chamber of Commerce web site lists their members by type of business. Facilities listed under the following categories were sent surveys during the initial snapshot survey: Brewery (1); Engineering Consultants (0) – no listings that were not found in one of other sources; Laundries (0) – coin laundry only; Manufacturers (2); Waste Services (0) – household solid waste only.

Based on the responses to the short form questions, 4 long forms were sent out. Site visits were also conducted at each of these facilities after the long form was returned. One additional SIU will be permitted based on flow.

Site visits were also conducted at two other facilities that indicated non-domestic flow, as well as at all four of the testing laboratories.

Woodwinds Commons is a multi-use business center owned by Atlantic Management Group. The 9 tenants represent a variety of businesses including a grocery store, three restaurants, a photo processing shop, beauty shop, analytical lab (Environmental Testing, already found in phone book survey), women's clothing store and an ice cream store (a complete tenant list is on file at the POTW). I met with representatives of Atlantic Management Group on February 17, 2000. A brief inspection was done at each tenant. There are no concerns regarding the wastewater from these facilities. Details of the inspections are available in the POTW files.

Reed Management owns an office building housing the headquarters of Worldwide Insurance. There are approximately 2500 employees. There are no other tenants.

The City will be using the following methods to conduct on-going industrial waste survey activities.

1. The Public Works Director attends weekly meetings where a list of the requests for non-residential building permits and business licenses is distributed.
2. Each month the Billing Department sends a list of all non-residential requests for new water or sewer service.
3. Representatives of Atlantic Management Group and Reed Management have agreed to provide an updated tenant list annually with a written request from the City as a reminder.
4. Smallville will continue to send monthly lists of new business licenses and building permits, and will continue to forward any inquires about connection to the sewer to us.

A summary table is attached.

As a result of the survey the City will permit two Significant Industrial Users and two Local Industrial Users. If you have any questions or need further information, please do not hesitate to contact me.

Sincerely,

Jane Doe
Pretreatment Coordinator

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-E: Snapshot Survey Summary

City of Metropolis
IWS CHECKLIST
June 27, 2000

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was received	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
AB Control	4		2/24/00			X		Asbestos Removal	
Acme Lighting	1		3/8/00			X		Light fixtures installation	
AHC & Associates	3		2/11/00			X		Apartment Complex (250 unit)	
Aqua Clear	4		2/24/00			X		Env. consulting firm	
Blue Mountain Brewery	5		3/1/00	3/13/00			500	Brewery	<5% MAHL, based on sample
Boatworks	4		2/18/00	2/24/00			50	Boat engine maint. & repair	Safety Kleen handles parts washer. Oil/water separator handles floor wash down water
Bob's Metal Products	1			1/22/00	1/6/00		5000	Custom finishing of stamped metal products	433 – IUP will be issued upon program approval
Carolina Environmental	4		3/3/00			X		Env. consulting firm	
Concrete Coatings	2		2/25/00	3/30/00		X		Polyurethane coating of factory floors	Clean up of coating equipment is hauled off
Designer Cabinets	1		2/15/00	3/9/00		X		Residential cabinets	All lacquers and paints contained and disposed of off-site

1 = NC Manufactures Register for Metropolis
2 = NC Manufactures Register for Smallville
3= waster billing records
4 = phone book
5 = Chamber of Commerce membership list

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-E: Snapshot Survey Summary

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was received	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
Dionysus Distributing	1	X	3/15/00					Warehouse	Septic Tank
Environmental Testing	4		3/2/00	3/28/00		X		Laboratory	All laboratory waste properly handled and not discharged to POTW
Eco Lab	4		3/1/00	3/28/00		X		Laboratory	All laboratory waste properly handled and not discharged to POTW
EMC Corporation	1		2/14/00			X		Env. consulting firm	
Engineered Solutions	1		2/14/00			X		Engineering consulting firm	
Environmental Design & Testing	4		2/17/00			X		Env. consulting firm	
Home Interiors Woodworks	1	X	3/9/00					Residential cabinets	Septic Tank
Industrial Answers	4		3/3/00	4/14/00	4/5/00		12,000	Centralized Waste Treater	< 5% MAHL based on sample. Local IUP will be issued. SIU permit will be issued prior to categorical regs effective date.
Jetcraft Corporation	1		3/13/00			X		Asbestos removal	
Luck Design	1		2/25/00	4/6/00	3/31/00		22,500	Textile	SIU IUP will be issued upon program approval. User expects increase in business to put them over 25,000gpd in near future

1 = NC Manufactures Register for Metropolis
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Chapter 3
Industrial Waste Survey Guidance
Appendix 3-E: Snapshot Survey Summary

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was received	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
Machinery Sales	2		2/28/00			X		Construction equipment sales	
Madern USA	5	X	2/11/00					CLOSED DOWN	
Mancurro Group	4		2/7/00	3/28/00		X		Laboratory	All lab waste properly handled; not discharged to POTW
MTI Industrial Automation	2		3/6/00			X		Industrial equipment sales	
OMNI	1		2/18/00			X		Business forms	
Oriental Design	1		2/14/00			X		Interior design	
Polyzen, Inc	5		3/1/00	4/28/00	4/12/00		6000	Plastic containers	463 - No standards Non-contact water
Quality Tools	1		3/10/00			X		Tool sales	
Reed Management	3		2/23/00			X		Office building	See Narrative
Recycling Solutions	4		2/22/00	3/8/00		X		Industrial waste recycling service	No floor drains in waste storage/handling areas. Implementing Spill Plan.
Scottie & Sons	1		3/10/00			X		Env consulting firm	
Seasons in the Sun	1		2/21/00			X		Swimming pools	

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Chapter 3
Industrial Waste Survey Guidance
Appendix 3-E: Snapshot Survey Summary

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was received	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
Southeastern Laboratory Services	4		2/25/00	3/28/00		X		Laboratory	All laboratory waste properly handled and not discharged to POTW
Stone Boutique	1	X	3/9/00					Landscaping rock	Septic Tank
Tradewinds	1		3/1/00			X		Boat Sales	
TM Paint Enterprises	1		3/6/00	5/3/00	4/13/00		8800	Water-based paint formulation	Not 446; <5% MAHL based on sample. Local IUP will be issued
Vanguard Systems	1		2/22/00			X		Security system installation	
Villeroy & Boch	1		3/2/00			X		Outdoor furniture distribution	
Williams Metal Works	4		3/8/00	4/19/00			50	Metal Fabrication	Not 433; welding & machining, discharge from tumbler. <5% MAHL based on sample
Woodwinds Commons	3		2/11/00	2/17/00				Multi use	See Narrative

1 = NC Manufactures Register for Metropolis
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Chapter 3
Industrial Waste Survey Guidance
Appendix 3-F: On-Going Survey Summary

City of Metropolis Water & Sewer Authority

June 27, 2005

Deborah Gore
NC DWR PERCS Unit Supervisor
1617 Mail Service Center
Raleigh, NC

Subject: Industrial Waste Survey Summary

Dear Ms. Gore:

The City of Metropolis is required by NPDES permit Part IV, C, 2 and 15A NCAC 2H .0905 to implement on-going waste survey activities and submit a summary of these activities every 5 years. The initial snapshot survey was conducted as part of program development in 2000.

The City uses the following methods for implementing the continuous survey requirements and staying aware of new, or changed, users.

1. The Public Works Director attends weekly meetings where a list of the requests for new building permits and business licenses is distributed.
2. Each month the Billing Department sends a list of all non-residential requests for new water or sewer service.
3. Representatives of Atlantic Management Group and Reed Management have agreed to provide an updated tenant list annually with a written request from the City as a reminder.
4. Smallville will continue to send monthly lists of new business licenses and building permits, and will continue to forward any inquires about connection to the sewer to us.

<u>On-going survey activities</u>

<u>2000:</u> The initial snapshot survey was submitted to the Division on June 27, 2000. IWS and final program approval was received on August 15, 2000. The next due date for the IWS summary was set at July 1, 2005.

Smallville started providing monthly lists of requests for new, non-residential building permits, business licenses and water/sewer service. One short form survey was sent in response to this information.

The City of Metropolis lists of requests for new, non-residential building permits, business licenses and water/sewer service were reviewed, but no surveys were sent in response to this information.

<u>2001:</u> In anticipation of the collection system permit requirements, the yellow pages and Chamber of Commerce roster were consulted to develop a list of food preparation facilities (FPF), including restaurants, churches, day cares and schools. Surveys were sent to 103 facilities. Site visits were made to each facility. Grease traps were inspected and record keeping requirements were established. Due to the number of facilities, this project took well into 2002 to complete. Surveys and inspection forms are available for inspection in the POTW's files.

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-F: On-Going Survey Summary

Review of Smallville's monthly lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in one survey being sent in 2001.

Review of Metropolis' lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in 2 surveys being sent in 2001.

No changes to the tenant lists for Atlantic Management Group or Reed Management

2002: Continued work on FPFs.

Review of Smallville's monthly lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in one survey being sent in 2002.

Review of Metropolis' lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in zero surveys being sent in 2002.

No changes to the tenant list Reed Management.

Atlantic Management reported that Environmental Testing has closed. Space is vacant.

2003: The yellow pages and Chamber of Commerce roster were consulted to develop a list of automotive repair/service shops. Surveys were sent to 22 facilities. Site visits were made to each facility. Disposal practices for used oil, radiator fluids, etc were reviewed. Record keeping requirements were established. Surveys and inspection forms are available for inspection in the POTW's files.

A SIU permit was issued to Industrial Answers in 9/2003 with an effective date of 12/22/2003 to comply with the 40 CFR 437 regulations that became effective at that time.

Review of Smallville's monthly lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in one survey being sent in 2003.

Review of Metropolis' lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in one survey being sent in 2003.

No changes to the tenant list for Reed Management.

Atlantic Management reported that ownership of the beauty shop had changed, but same business is being done. A gift shop has moved into Environmental Testing's old space.

2004:
Review of Smallville's monthly lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in one survey being sent in 2004.

Review of Metropolis' lists of requests for new, non-residential building permits, business licenses and water/sewer service resulted in 2 surveys being sent in 2004.

No changes to the tenant lists for Atlantic Management Group or Reed Management

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Appendix 3-F: On-Going Survey Summary

2005:

The PERCS Unit was contacted early in 2005 for updated lists from the NC Manufacturers Register for the City of Metropolis and the Town of Smallville. 22 surveys were sent out in Metropolis and 4 surveys sent out in Smallville.

There were 5 new listings for Metropolis. All 5 were also identified from one of the lists of new building permits, new business licenses or new water/sewer account requests. Two that were identified in 2005 are included in the 22 total surveys sent out to date in 2005.

There were 2 new listings for Smallville. Both were also identified from one of the lists of new building permits, new business licenses or new water/sewer account requests provided by the Town of Smallville. One that was identified in 2005 is included in the 4 total surveys sent out to date in 2005.

No change to the tenant lists for Atlantic Management Group or Reed Management.

The water billing records were reviewed to determine if any users have increased water usage to over 250,000 gallon per month. There were no users meeting this criterion that have not already been surveyed.

AHC & Associates (apartment complex) was not re-surveyed. There were 3 environmental consulting firms (Aqua Clear, Carolina Environmental and Environmental Design & Testing) that were sent surveys as a result of a phone book review in 2000. These were domestic only dischargers and were not re-surveyed in 2005.

One additional SIU located in Smallville was identified in 2005 through the water/sewer service request list and the NC Manufacturers Register and a SIU permit issued on 6/22/2005. Production is scheduled to start-up on July 5, 2005.

Currently, the City permits 4 SIUs and one LIU. If you have any questions or need further information, please do not hesitate to contact me at (919) 555-1234.

Sincerely,

Jane Doe
Pretreatment Coordinator

Chapter 3
Industrial Waste Survey Guidance
Appendix 3-F: On-Going Survey Summary

City of Metropolis
IWS CHECKLIST
June 27, 2005

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was receive d	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
AB Control	4		4/6/05			X		Asbestos Removal	
Acme Lighting	1		3/16/05			X		Light fixtures installation	
Best Pumps	6 & 1		5/12/02			X		Pump sales	
Blue Mountain Brewery	5		4/4/05	4/18/05			750	Brewery	<5% MAHL, based on sample
Boatworks	4		3/10/05	3/28/05			50	Boat engine maint. & repair	Safety Kleen handles parts washer. Oil/water separator handles floor wash down water
Bob's Metal Products	1			Annual inspect. August	1/14/05		6500	Custom finishing of stamped metal products	433 – initially issued IUP 7/2000. IUP renewal 7/2005
Concrete Coatings	2		4/8/05	4/27/05		X		Polyurethane coating of factory floors	Clean-up of coating equipment is hauled off
Designer Cabinets	1		4/29/05	5/12/05		X		Residential cabinets	All lacquers & paints are contained & disposed of off-site
Dionysus Distributing	1		3/18/05			X		Warehouse	Tied on to City 8/2002

1 = NC Manufactures Register for Metropolis
2 = NC Manufactures Register for Smallville
3= waster billing records
4 = phone book
5 = Chamber of Commerce membership list
6 = Metropolis new user list
7 = Smallville new user list

Chapter 3
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Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was received	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
Environmental Testing	4	X						Laboratory	CLOSED DOWN
Eco Lab	4		4/7/05	4/21/05		X		Laboratory	Same laboratory practices in place as last inspection
EMC Corporation	1		3/16/05			X		Env. consulting firm	
Engineered Solutions	1		4/14/05			X		Env. consulting firm	
Fancy Frames	6		8/17/04			X		Custom framing	
Farrell Foods	7		9/17/03			X		Snack food distribution	
Green Machine	7		9/28/00			X		Lawn care	Certified in pesticide/herbicide application
Home Interiors Woodworks	1	X	3/28/05					Residential cabinets	Septic Tank
Industrial Answers	4			Annual inspect. Sept.	5/19/03		17,000	Centralized Waste Treater	437 – Draft SIU IUP issued 9/03 with effective date of 12/22/2003
Jetcraft Corporation	1		3/25/05			X		Asbestos removal	
Lampley	6		5/23/03			X		Real estate brokers	

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Industrial Waste Survey Guidance
Appendix 3-F: On-Going Survey Summary

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was receive d	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e. Non-categorical, <25,000 gpd and <5% MAHL or no potential impact)
Luck Design	1			Annual inspect. Sept.	3/3/05		45,000	Textile	SIU IUP initially issued 8/00. IUP renewal in 8/05
Lumber Liqutators	7		6/10/04			X		Wood flooring distributors	
Machinery Sales	2		4/6/05			X		Construction equipment sales	
Mancurro Group	4		4/8/05	4/21/05		X		Laboratory	Same laboratory practices in place as last inspection
Michaels Custom Gears	1	X	3/21/05					Tool & die operation	Septic tank
MTI Industrial Automation	2		3/14/05			X		Industrial equipment sales	
New Life Exteriors	6		11/2/01			X		House painting	
OMNI	1		3/23/05			X		Business forms	
Oriental Design	1		4/18/05			X		Interior design	
Polyzen, Inc	5		3/22/05	3/30/05			4500	Plastic containers	463 – No standards Non-contact water
QSP	6 & 1		3/24/05	4/15/05		X		Printer	No inks to drain

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Chapter 3
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Quality Tools	1		3/23/05			X		Tool Sales	
Recycling Solutions	4		4/7/05	4/18/05		X		Industrial waste recycling service	No floor drains in waste storage/handling areas. Implementing Spill Plan
Reed Management	3		3/30/05			X		Office building	See narrative
Reliability Motors	7 & 2		8/24/01	9/17/01			50	Small engine repair	Safety Kleen handles parts washer. Oil/water separator handles floor wash down water.
Scottie & Sons	1		4/15/05			X		Env consulting firm	
Seasons in the Sun	1		4/11/05			X		Swimming pools	
Southeastern Laboratory Services	4		3/24/05	4/21/05		X		Laboratory	Same laboratory practices in place as last inspection
Stone Boutique	1	X	3/16/05					Landscaping rock	
Tiger Chemical	6 & 1		4/6/05	4/12/05	5/6/05		3000	Custom mixing of textile chemicals	Not 414; <5% MAHL
TM Paint Enterprises	1			Annual inspect. Sept.	4/21/05		8800	Water-based paint formulation	Not 446 -Local IUP renewal in Sept.

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Chapter 3
Industrial Waste Survey Guidance
Appendix 3-F: On-Going Survey Summary

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Tradewinds	1		3/21/05			X		Boat sales	
TSP Industries	7 & 2		4/4/05	4/19/05	5/27/05		5000	Metal lockers	433 – IUP issued 6/22/05
Vanguard Systems	1		3/24/05			X		Security system installation	
Villeroy & Boch	1		3/18/05			X		Outdoor furniture distribution	
Wake Services	6		2/14/01			X		Office machine repair	
Williams Metal Works	4		3/8/00	4/19/00			50	Metal fabrication	Not 433; welding & machining, discharge from tumbler. <5% based on sample.
Woodwinds Commons	3							Multi use	See Narrative
Zendra Blinds	6 & 1		2/26/04			X		Installation of window blinds	

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Chapter 3
Industrial Waste Survey

Appendix 3-G.

Blank Summary Table

(Also available on the web site:
http://h2o.enr.state.nc.us/Pretreat/Files/files.html)

IWS CHECKLIST

Industry Name (Include all industries sent short forms and all industries in NC Manufacturers Register)	Source	Check if No Sewer Service or not in business (X)	Date short form was receive d	Date of site visit	Date long form was received	Check if Domestic Flow only (X)	Approx. process or other non-domestic Flow (gpd)	Description of Business	Explanation of why SIU permit is or isn't needed (i.e Non-categorical, <25,000 gpd and <5% MAHL or no potential to impact)

1 = NC Manufactures Register

Chapter 3
Industrial Waste Survey

Appendix 3-H.

EPA Contacts for
Categorical Pretreatment Standards

United States Environmental Protection Agency
Engineering and Analysis Division (4303T) Washington, DC 20460
Phone (202) 566-1000 Fax (202) 566-1053
March 2005

EPA Industrial Wastewater Contacts in the Effluent Guidelines Program

Industry/Subject	Regulation	Contact	Phone (Area Code 202)
Acid Mine Drainage		Bill Telliard	566-1061
Adhesives and Sealants		Woody Forsht	566-1025
Airport Deicing		Eric Strassler Jesse Pritts	566-1026 566-1038
Alternate Test Procedures (ATPs)	40 CFR 136	Bill Telliard Robin Oshiro	566-1061 566-1075
Aluminum Forming	40 CFR 467	Samantha Lewis	566-1058
Analytical Methods Support	40 CFR 136	Robin Oshiro Bill Telliard Meghan Hessenauer	566-1075 566-1061 566-1040
Animal Feeding Operations - *see CAFO*			
Aquaculture (Aquatic Animals)	40 CFR 451	Marta Jordan Jesse Pritts Paul Shriner	566-1049 566-1038 566-1076
Asbestos Manufacturing	40 CFR 427	Ron Jordan	566-1003
Asphalt	40 CFR 443	Bill Telliard	566-1061
Ballast Water		Ron Jordan Erik Helm	566-1003 566-1066
Battery Manufacturing	40 CFR 461	Carey Johnston	566-1014
CAFO - Concentrated Animal Feeding Operations	40 CFR 412	Paul Shriner Marta Jordan	566-1076 566-1049
Canmaking	40 CFR 465	Carey Johnston	566-1014
Carbon Black Manufacturing	40 CFR 458	Woody Forsht	566-1025

Cement Manufacturing	40 CFR 411	Woody Forsht	566-1025
Centralized Waste Treatment	40 CFR 437	Woody Forsht Jan Matuszko	566-1025 566-1035
Chemicals - *see Gum & Wood, Inorganic, Organic, Pesticides*			
Coal Mining (*and Remining*)	40 CFR 434	Bill Telliard Ron Jordan Ahmar Siddiqui	566-1061 566-1003 566-1044
Coil Coating	40 CFR 465	Carey Johnston	566-1014
Commercial Hazardous Waste Combustors	40 CFR 444	Samantha Lewis	566-1058
Construction & Development		Jesse Pritts Eric Strassler	566-1038 566-1026
Container Cleaning (Industrial Containers)		Carey Johnston	566-1014
Cooling Water Intake Structures [Clean Water Act Section 316(b)]	40 CFR 122, 125	Martha Segall Paul Shriner	566-1041 566-1076
Copper Forming	40 CFR 468	Samantha Lewis	566-1058
Cruise Ships		Don Anderson Ron Jordan	566-1021 566-1003
Dairy Products Processing	40 CFR 405	Don Anderson	566-1021
Detection Issues *(Low Level Detection)*		Bill Telliard Marion Kelly	566-1061 566-1045
Docket - *see Water Docket*			
Drinking Water Methods		Bill Telliard	566-1061
Drinking Water Treatment Plants		Tom Born	566-1001
Drum Cleaning		Carey Johnston	566-1014
Economic Analysis		Nick Bouwes	566-1002
Effluent Guidelines Plan [Clean Water Act Section 304(m)]		Carey Johnston	566-1014
Effluent Guidelines Task Force		Mary Smith	566-1056
Electrical & Electronic Components	40 CFR 469	Jesse Pritts	566-1038

		Samantha Lewis	566-1058
Electroplating	40 CFR 413	Carey Johnston	566-1014
Environmental Monitoring Methods Index (EMMI)		Marion Kelly Bill Telliard	566-1045 566-1061
Ethanol for Fuel		Bill Telliard	566-1061
Explosives Manufacturing	40 CFR 457	Woody Forsht Bill Telliard	566-1025 566-1061
Federal Register Notices (General)		Beverly Randolph	566-1013
Feedlots	40 CFR 412	Paul Shriner Marta Jordan	566-1076 566-1049
Ferric Ferrocyanide (FFC)		Marion Kelly	566-1045
Ferroalloy Manufacturing	40 CFR 424	Carey Johnston	566-1014
Fertilizer Manufacturing (Nitrogen & Phosphate)	40 CFR 418	Woody Forsht	566-1025
Fish Hatcheries	40 CFR 451	Marta Jordan Jesse Pritts	566-1049 566-1038
Foods - *see Dairy, Feedlots, Fruits & Vegetables, Grain Mills, Meat Products, Poultry, Seafood, Sugar*			
Foods and Beverages, Miscellaneous		Don Anderson	566-1021
Foundries	40 CFR 464	Don Anderson	566-1021
Fruits & Vegetables Processing	40 CFR 407	Don Anderson	566-1021
Glass Manufacturing	40 CFR 426	Don Anderson	566-1021
Gold Mining	40 CFR 440	Martha Segall Bill Telliard	566-1041 566-1061
Grain Mills	40 CFR 406	Don Anderson	566-1021
Gum & Wood Chemicals Manufacturing	40 CFR 454	Don Anderson	566-1021
Hospitals	40 CFR 460	Carey Johnston	566-1014
Incinerators	40 CFR 444	Samantha Lewis Woody Forsht	566-1058 566-1025

Industrial Laundries		Marta Jordan Jan Matuszko Meghan Hessenauer	566-1049 566-1035 566-1040
Ink Formulating	40 CFR 447	Don Anderson	566-1021
Inorganic Chemicals	40 CFR 415	Paul Shriner	566-1076
Iron & Steel Manufacturing Jan Matuszko 566-1035	40 CFR 420	Woody Forsht	566-1025
Landfills and Landfill Leachate	40 CFR 445	Elwood Forsht	566-1025
Laundries		Marta Jordan Jan Matuszko Meghan Hessenauer	566-1049 566-1035 566-1040
Leather Tanning & Finishing	40 CFR 425	Don Anderson	566-1021
Low BTU Gasification		Bill Telliard	566-1061
Meat Products	40 CFR 432	Samantha Lewis	566-1058
Metal Finishing	40 CFR 433	Carey Johnston	566-1014
Metal Molding & Casting (Foundries)	40 CFR 464	Don Anderson	566-1021
Metal Products and Machinery	40 CFR 438	Carey Johnston	566-1014
Microbiological Methods	40 CFR 136	Robin Oshiro	566-1075
Mineral Mining & Processing	40 CFR 436	Bill Telliard	566-1061
Mining - *see Acid Mine Drainage, Coal Mining, Gold Mining, Mineral Mining & Processing, and Ore Mining & Dressing*			
Nonferrous Metals Forming *(includes Metal Powders)*	40 CFR 471		566-1000
Nonferrous Metals Manufacturing	40 CFR 421		566-1000
Oil and Gas Extraction Offshore, Coastal, Onshore Synthetic Drilling Fluids	40 CFR 435	 Ron Jordan Carey Johnston	 566-1003 566-1014
Ore Mining & Dressing	40 CFR 440	Bill Telliard	566-1061
Organic Chemicals, Plastics & Synthetic Fibers	40 CFR 414	Woody Forsht Samantha Lewis	566-1025 566-1058
Paint Formulating	40 CFR 446	Don Anderson	566-1021

Paving and Roofing Materials (Tars and Asphalt)	40 CFR 443	Bill Telliard	566-1061
Performance-Based Measurement Systems (PBMS)	40 CFR 136	Bill Telliard	566-1061
Pesticide Chemicals	40 CFR 455	Jan Matuszko	566-1035
Petroleum Bulk Stations & Terminals		Ahmar Siddiqui	566-1044
Petroleum Refining	40 CFR 419	Ahmar Siddiqui Woody Forsht	566-1044 566-1025
pH Effluent Limitations under Continuous Monitoring	40 CFR 401.17	Marla Smith	smith.marla@epa.gov
Pharmaceutical Manufacturing	40 CFR 439	Don Anderson	566-1021
Phosphate Manufacturing	40 CFR 422	Woody Forsht	566-1025
Photographic Processing	40 CFR 459	Don Anderson	566-1021
Placer Mining Bill Telliard 566-1061	40 CFR 440	Martha Segall	566-1041
Plastics Molding & Forming	40 CFR 463	Don Anderson	566-1021
Pollutants - Lists, Types, References		Bill Telliard	566-1061
Conventional-CWA Sec. 304(a)(4)	40 CFR 401.16	Marion Kelly	566-1045
Toxic-CWA Section 307(a)(1)	40 CFR 401.15		
Priority Pollutants (Appendix A)	40 CFR 423		
Porcelain Enameling	40 CFR 466	Carey Johnston	566-1014
Poultry Feedlots Marta Jordan 566-1049	40 CFR 412	Paul Shriner	566-1076
Poultry Processing	40 CFR 432	Samantha Lewis Paul Shriner	566-1058 566-1076
Pretreatment		Jan Matuszko *(or Permits Division 564-9545)*	566-1035
Printing & Publishing		Don Anderson	566-1021
Publications		Beverly Randolph	566-1013
Publicly-Owned Treatment Works (sometimes called POTW Study)		Woody Forsht Marla Smith	566-1025 smith.marla@epa.gov

Pulp, Paper and Paperboard	40 CFR 430	Don Anderson Ahmar Siddiqui	566-1021 566-1044
Rubber Manufacturing	40 CFR 428	Woody Forsht	566-1025
Seafood Processing	40 CFR 408	Don Anderson	566-1021
Secondary Treatment *(or call Permits Division 564-9545)*	40 CFR 133	Ahmar Siddiqui Woody Forsht	566-1044 566-1025
Shipbuilding	40 CFR 438	Carey Johnston	566-1014
Soap & Detergent Manufacturing	40 CFR 417	Woody Forsht	566-1025
Solvent Recovery		Jan Matuszko	566-1035
Statistical Analysis		Marla Smith Nelson Andrews	smith.marla@epa.gov 566-2046
Steam Electric Power Generation Martha Segall 566-1041	40 CFR 423	Ahmar Siddiqui	566-1044
Stormwater		Jesse Pritts Eric Strassler	566-1038 566-1026
Sugar Processing	40 CFR 409	Don Anderson	566-1021
Synthetic-Based Drilling Fluids (SBF)	40 CFR 435	Carey Johnston	566-1014
Textile Mills	40 CFR 410	Ron Jordan	566-1003
Timber Products Processing	40 CFR 429	Don Anderson	566-1021
Transportation Equipment Cleaning (Tank Cleaning)	40 CFR 442	Jesse Pritts	566-1038
UNDS -Uniform National Discharge Standards		Ron Jordan Eric Strassler	566-1003 566-1026
Used Oil Reclamation		Ron Jordan	566-1003
Vessels Discharges - see UNDS, Ballast Water, Cruise Ships			
Vinyl Chloride		Samantha Lewis Paul Shriner	566-1058 566-1076
Waste Treatment - *see Centralized Waste Treatment, Commercial Hazardous Waste Combustors, Landfill Leachate*			
Water Docket (West Basement)			566-2426
Water Intake Structures -CWA 316(b) - *see Cooling Water* Whole Effluent Toxicity (WET)		Bill Telliard Marion Kelly	566-1061 566-1045