



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

# **Guidance Manual for Performing an Industrial User Survey**

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*The 7-Step Process*

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An excel spreadsheet to cross reference 1987 Standard Industrial Classification (SIC) codes to the 2002 NAICS codes (NAICS02toSIC87.xls) is available at the federal OMB (Office of Management and Budget) website.

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# **Guidance Manual for Performing an Industrial User Survey**

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## **The 7-Step Process**

*by  
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# Performing an Industrial User Survey

## Step 1: Understand the Intent and Value of Surveys

This document provides guidance for those (including municipalities or corporations that operate sewerage collection systems or treatment works) who need to identify sources discharging non-domestic wastewater to their system. While the document focuses on publicly owned treatment works (POTW), the guidance applies to anyone performing an industrial user (IU) survey in Washington State. POTWs with fully delegated programs are encouraged to review and apply this guidance, so long as it does not conflict with their approved program. This initial section uses a question and answer format to provide a general overview of why Ecology asks POTWs to conduct surveys, and why they are important.

EPA's only published guidance on performing an IU survey is a brief checklist in EPA's Guidance Manual for POTW Pretreatment Program Development (October 1983). This checklist does not address many important considerations in the conduct of such a survey. This document expands on that guidance to fill the gap. It incorporates the experience of many cities and persons that review such surveys, and integrates state regulations on discharges to the sewer. This guidance does not modify any legal requirements relating to the performance of IU surveys. The appendices of this document provide tools and formats for a POTW, and were current as of the publishing date.

### What is an industrial user survey?

The Industrial User (IU) Survey is a list of all businesses in the POTW's service area that discharge wastewater that is not "domestic" to the sewage treatment plant. The survey must provide enough information about each for Ecology to determine what oversight it needs to provide. The results of the survey should be grouped by the level of threat and type of industry.

### Why does the POTW have to perform the survey?

Municipalities that own treatment works (and municipalities with collections systems contributing flows to them) are in the best position to locate businesses that should be included on the survey since they provide the sewer services. While most states require all POTWs with at least one industry to develop a full program (including issuing permits), developing and maintaining such a program involves significant costs. Ecology's strategy is to work with POTWs and contributing jurisdictions listed on the POTW's NPDES permit to identify and properly control industries. After the POTW identifies an industry, Ecology determines whether it requires a permit under the State Waste Discharge permit program. This makes the best use of the capabilities of POTWs and Ecology where there are only a few industries. But the POTW also has the option to request delegation of authority to run their own pretreatment program if

they want. Ecology requires most POTWs (and contributing jurisdictions where they are listed on the NPDES permit) to periodically perform an industrial user survey and provide annual updates. Most municipalities find the cost of a survey to be a small fraction of the expense of the alternative of fully implementing a delegated pretreatment program.

## **How do surveys support ecology running a pretreatment program?**

Ecology was given the authority to run the federal pretreatment program by the Environmental Protection Agency (EPA) in September 1986. Ecology's program procedures were developed specifically for Washington State. Ecology's program anticipates that POTWs with several significant industrial users (SIUs) will develop a full pretreatment program, but Ecology will assume responsibility for issuing the permits to industries discharging to a POTW with only a few SIUs. This pretreatment partnership between Ecology and the POTW benefits both parties. POTWs are in the best position to locate industries subject to regulation, and Ecology maintains a staff of permit writers and managers with the skills to efficiently and properly permit and oversee them. Other tasks that the POTW is expected to do for their part are identified in its NPDES permit. Such tasks may include developing and codifying local limits, enforcing discharge prohibitions, sampling, and other pretreatment related tasks.

The IU Survey is critically important to implementing a pretreatment program. It is the primary means that Ecology has for identifying industries that should be permitted. Few other states have assumed as much of the pretreatment program for POTWs as Washington State. However, this makes the information gathered by local municipalities during the IU Survey process an essential part of the State's permitting program. Other functions that POTWs may be required to perform include developing local limits, passing local ordinances to codify limits and other pretreatment requirements, compiling information, and conducting inspection or sampling when such activities are needed to support Ecology's permitting efforts. Where Ecology knows such support is needed before the permit is developed, the POTW's NPDES permit typically specifies these requirements.

## **What is Ecology's legal basis?**

The authority to include this provision in NPDES permits is contained in 40 CFR 122.44(j) of NPDES permit regulations, and 40 CFR 403.8(f)(2) of the Federal Pretreatment Regulations. These sections require POTWs to identify and locate all possible IUs that might be subject to the pretreatment program; to identify the character and volume of pollutants discharged by these IUs; and to make this information available to Ecology. State regulations 173-220-150(f) WAC similarly requires a POTW to provide notice to Ecology when they receive discharges from industries subject to "categorical" standards, or any substantial change in volume or character of pollutants discharged by existing businesses. This guidance manual details a process that allows POTWs to satisfy these requirements.

## **What is survey data used for?**

Ecology uses survey data to make permitting decision. Complete surveys facilitate good permitting decisions, whereas incomplete data can force Ecology to require the business to complete an Ecology permit application potentially wasting time and effort for both parties. Ecology's permitting program is designed to impose provisions that minimize threats to the POTW's sewer lines, worker safety (explosive or toxic vapors), biological processes, effluent limits, and sludge quality. A complete survey form from potential SIUs allows Ecology to assess whether the discharges need a permit to guard against such threats. The IU survey also reduces the POTW's potential liability from allowing dangerous discharges to their collection system by providing evidence that businesses were informed of permitting requirements. (To serve this function, the POTW will need to keep completed IU Surveys on file).

## **Might local businesses be harmed by this survey?**

Businesses that increase profits by sending industrial pollution without proper treatment to the sewer get an unfair advantage and thereby harm legitimate businesses. These same industries, however, may not be profiting nearly as much as they think since they may be unwittingly losing significant profits by their wasteful practices. Ecology's permitting program is designed to protect the environment and also to facilitate the proper management of chemicals to reduce and avoid the discharge of pollution. This often involves rethinking wasteful practices and promoting the reduction, reuse, or elimination of pollution. In this manner, Ecology helps Washington businesses remain competitive while protecting the environment. But regardless of whether Ecology's involvement profits a business, appropriate treatment is important to safeguarding the POTW and preserving a level playing field for similar businesses.

## **What happens to identified dischargers?**

As part of the survey process, Ecology asks POTWs to decide which of their sources of non-domestic discharge they consider potential "Significant". Federal regulations define what constitutes a "significant industrial user" or SIU. Ecology typically requires SIUs identified by the POTW to apply for a state waste discharge permit. When Ecology finds that a permit is necessary, businesses would be subject to permit conditions and applicable permit fees. In certain cases we ask minor industrial users to complete a permit application if warranted by the nature of their activities and the volume and character of their discharges. The information submitted by the POTW on Form 3, when complete, is intended to enable Ecology to quickly determine whether a permit is required. When the information is incomplete, it is more likely a business will also need to complete an Ecology permit application. The impact on businesses is therefore reduced when POTWs obtain complete information during their survey efforts.

## **When would an engineering report be needed?**

Where pollutant discharges are significant and unavoidable, Ecology will typically require the business to prepare an engineering report to describe the system that it will use to provide a reasonable level of treatment. The content of such reports is described in Chapter 173-240

WAC. Ecology will review the reports to ensure the system can meet applicable local limits and categorical standards. EPA establishes categorical standards to ensure a level playing field nationally. Where new construction is required to meet such limits, Ecology typically allows the business to propose a schedule for making the required improvements.

## **How does the survey benefit our POTW?**

Aside from allowing Ecology to properly control and condition the most significant threats to the POTW, the completed survey also helps the POTW to:

1. Identify possible sources of past or future problems at the treatment plant or in the collection system.
2. Provide essential information for developing appropriate local pollutant discharge limits (local limits) for industries such as the total of flows from non-domestic sources, and potential pollutants of concern.
3. Develop strategies for overseeing businesses that together could cause problems to the POTW, but separately are not significant enough to require a permit from Ecology. Rules for such minor industrial users (MIUs) are extremely important for controlling high strength waste, food service establishments, and waste haulers, among others. Rules can address treatment requirements, best management practices, monitoring, record keeping, and reporting requirements for such MIUs similar to those imposed by permits.
4. Reduce the potential liability from contamination caused by toxic discharges seeping from the sewers into soil and ground water in the City's right of way (next paragraph).

## **How can a signed survey form reduce POTW liability?**

Ecology asks POTWs, as part of the survey process, to require all facilities possibly conducting operations that generate non-domestic wastewater to, in turn, complete and sign an IU survey form. The POTW should maintain these forms even where the potential to harm the POTW appears low. The signed survey form shows that the POTW was assured that businesses were not discharging pollutants to the POTW other than those disclosed. Therefore, it provides important evidence that any other discharge was clearly illegal. Such evidence of due diligence is important in refuting assertions that the POTW tacitly allowed illegal discharges to occur or continue. Such claims of tacit approval have resulted in POTWs being found liable for soil and groundwater contamination caused through exfiltration. In a case from Washington D.C., perchloroethylene from a dry cleaner was discharged to a sewer and seeped out of sewer pipes and contaminated adjacent properties. The businesses claimed the POTW was aware of the practice. Because it did not require and maintain signed survey forms, the POTW could not establish its diligence in informing businesses of applicable requirements and was found liable for the costs of the cleanup.

## **What other benefits does the survey data provide?**

In addition to identifying industries for which control mechanisms are warranted in order to prevent problems at the POTW, surveys can reveal discharges of process wastewater to surface or ground waters, and process wastewater to the storm sewer. When these situations occur, the POTW should identify the discharge, and forward the survey form to Ecology with the tabulated survey results. While not subject to pretreatment permits, such activities are often subject to other requirements or permitting programs carried out by Ecology. Therefore, the information provided through this survey process can help Ecology fulfill its broader mission to protect the public interest in preserving public resources and a safe environment. And as mentioned in items #3 of the benefits to the POTW, the survey also identifies businesses that may be (or should be) subject to local controls for MIUs.

## **What if the POTW does not conduct the IU survey?**

Failing to properly conduct an IU survey or perform the other supporting functions required in an NPDES (or State Waste Discharge) permit is a permit violation. As such, they would be subject to the same type of penalty provisions as any other permit violation. Because municipalities usually see the value of survey efforts, instances where this has led to fines against POTWs are rare. Because Ecology cannot protect the POTW from unregulated discharges, it is in the POTW's best interest to do a good job of locating sources of non-domestic wastewater. And Ecology's assumption of permitting responsibilities relies on a cooperative relationship with the POTW. Where Ecology cannot properly implement the pretreatment program because of a lack of POTW support, Ecology may also, instead of or in addition to any enforcement action, require the POTW to develop a full pretreatment program of its own, as authorized in Federal Regulation 40CFR§403.

## **What must POTWs do before starting the survey process?**

Ecology recommends POTWs start by:

1. Reading and understanding this guidance.
2. Talking to other municipalities that have performed surveys.
3. Ensuring they have the legal authority to compel businesses to complete surveys in all contributing jurisdictions.

It is only after the POTW knows the techniques and sources of information and has requisite authorities that the survey process requires should it begin in earnest.

## **How do POTWs obtain required legal authorities?**

POTWs must be able to compel businesses to complete and sign IU survey forms to get new or continued sewer service. Otherwise, businesses will simply not take the IU survey seriously.

Authority is traditionally obtained through requiring compliance in a local sewer use ordinance. This ordinance should say what businesses must do to get public sewer service and should provide several enforcement options to allow POTWs to make an escalating enforcement response. The purpose of an escalating enforcement response is to achieve compliance with the minimum level of enforcement necessary. Ecology prepared a model sewer use ordinance for both delegated and non-delegated POTWs that provides a starting point for the legal authorities. EPA also published a manual on developing an Enforcement Response Plan. Although it is geared towards POTWs implementing full pretreatment programs, it has good utility for POTWs that have to do only an IU survey.

## **How do POTWs categorize users?**

Ecology asks POTWs to categorize their commercial accounts into three classifications: "Significant Industrial Users" (SIUs), "Minor Industrial Users" (MIUs)", and "Domestic Equivalent Users". Understanding precisely what is meant by these terms is important to a good survey. For this reason, definitions of these and other important terms are included in a glossary of definitions at the end of this manual. Please review the definitions in the glossary before conducting the survey. For example, the term "Industry", as defined by Federal Regulation 40 CFR part 403 is a generic term meant to apply to any activity that discharges wastewater that is not similar in all important respects to domestic wastewater. Therefore, it could apply to facilities such as a hospital or department store that are not commonly thought of as "industry". Because of this common confusion, sometimes you will find the word "business" used in this document.

## **How does a POTW get public support?**

Public knowledge and awareness can translate to the support needed to make the survey effort successful. A POTW may wish to sponsor a workshop to distribute and explain the purpose of the survey and how to provide instruction on completing the questionnaire. This allows businesses to ask their questions about the survey process. Making the city council, business groups, and organizations such as the chamber of commerce aware of the effort and the reasons why it is important (before any survey forms are sent out) can go a long way to helping the survey succeed. The POTW should use the cover letter as an educational tool and means for enhancing communication between the POTW and local businesses. The POTW may also wish to include a flyer in the sewer bill explaining that the survey is coming, and follow up when it's due. And if the POTW has a web site, it can be a good place to post such information as well as questions and answers about how to complete the survey forms (and include an Email address for those with questions).

## **How does a POTW get started?**

The information to this point explains why a survey is important and what needs to occur before conducting a survey. From this point on, the guidance presumes the POTWs has appropriate legal authority to proceed, knows the purpose and value of the survey, and understands the terms. The following sections divide the process of conducting an IU Survey into five remaining steps:

2. Compile a master list of potential IUs.
3. Collect and tabulate Survey Data.
4. Follow up with unresponsive businesses.
- 5/6. Summarize survey data (and then send it to Ecology).
7. Keep the survey current.

## **Step 2: Compile and Prioritize a Master List of Industries**

So far we have talked about the preparation stage of the IU Survey. This includes the need to inform staff and officials of the upcoming effort, developing an outreach and assistance strategy, and ensure that the legal authority exists to compel businesses to complete survey forms (required for all contributing jurisdictions too). Ecology recommends these steps be completed before the POTW begins survey efforts in earnest. Step 2 focuses on the first step of the “nitty-gritty” mechanics of conducting a survey – compiling a master list of business to survey.

The intent of the POTW master list is to locate all commercial establishments in the POTW's service area that discharge (or potentially discharge) non-domestic wastewater to the treatment system. POTWs should ensure that those in neighboring jurisdictions which discharge to the POTW will be identified too (either by the POTW's actions or through inter-local agreements). The following sources commonly are used to identify potential IUs.

1. Sewer connection permits or other existing sewer utility files.
2. Water use and billing records.
3. Utility company records.
4. Building permit records.
5. Business license records.
6. Local Telephone Directory and yellow pages.
7. Lists developed during a windshield tour of the service area.
8. Chamber of Commerce rosters.
9. Commercial directories of industries in the area.
10. Property tax records.
11. Department of Revenue records.
12. Fire Department emergency management plans and records.
13. Department of Ecology files.

The POTW should make a table of initial information on each prospective business (name, address, and if known a specific person to send the form to). This guidance provides an example at Form 1 of Appendix A “Master List of potential Industrial Users”. This example table has places to track that the survey effort. It has boxes to record when the form is sent, when it is returned, and whether the information obtained allowed the business to be eliminated from further survey efforts.

A master list of businesses compiled from the first seven sources should be fairly complete, but POTWs are encouraged to use all sources of information that are readily available. Letting other agencies within the local government (and contributing jurisdictions) know what you are looking for and why can greatly improve the chances they will assist in this effort and, over time, build the capability to provide such data on an ongoing or periodic basis.

Once the master list is compiled, prioritize how important it is to gather data from each of the commercial establishments on the list. Prioritization relies on some knowledge of what type of activities take place at each business, and so some guessing is inevitable. We recommend the following approach:

1. Identify the businesses on the list for which data collection is most important. These are businesses with operations that you know or expect to create wastewater different from domestic wastewater. Call these “priority A” facilities. Ensure to also consider businesses with contaminated stormwater, that use or store a lot of chemicals, or are upstream from where you have seen unusual odors or wastewater properties.
2. Next, identify those businesses that you are pretty sure send only wastewater that is similar in character and strength to domestic wastewater to the sewer. These will be the “Priority C” facilities. These typically include offices, public place and retailers that don’t have kitchens or photo-processing, and don’t use industrial chemicals.
3. The remaining facilities will have a moderate potential to discharge pollutants to the POTW. These are the “Priority B” facilities. We recommend you confirm that you have included with Priority B facilities any that you haven’t included as Priority A, but:
  - a. have some volume of high-strength wastewater, such as from brewing beer or wine, baking, or preparing foods for offsite delivery, or potential batch discharges;
  - b. may discharge grease, such as restaurants and other food service establishments;
  - c. have little or no wastewater, but use and might discharge toxics, such as dry cleaners, photo processors, dentists, vehicle repair facilities, and car washes;
  - d. store volumes of chemicals such as petroleum, oil, lubricants, solvents, other chemicals that could harm the sewer if spilled.

**NOTE: Grease control programs:** Ecology relies on POTWs to provide oversight to food service establishments (FSE’s) that are sources of edible grease. Such programs are very important to preventing sewer line blockages. Ecology expects POTWs to use the information collected on grease sources during the IU Survey process to ensure all FSE’s are subject to and complying with the applicable local requirements. In light of this, the survey may consolidate FSE’s on form 2 as a separate category, noting that they’re already addressed locally under such program, and not list them on form 3. But where a business discharging grease also constitutes a threat to the POTW (flow volume, toxics, overall loadings, spill potential, etc.) still list them on form 3 as a potential SIU. Ecology will then review the whether an Ecology-issued State Waste Discharge permit is warranted.

# Step 3: Collect and Tabulate Survey Data

## Using survey forms to collect data

Ecology recognizes that POTWs typically collect survey information one of two ways. The first way is to distribute two forms — one for businesses not expected to have non-domestic wastewater, and a second for businesses that are. The other way is to use a two-part form where certain answers to initial (screening) questions would trigger the requirement to complete the rest of the form. The POTW may use a form based on the examples included in this document, use another source, or develop forms from scratch. Ecology supports any rational approach to obtaining the necessary information to allow Ecology to make permitting decisions.

## Using two forms

When using two forms based on the likelihood of discharges of concern to the POTW, the POTW must have enough information to decide which form to send. This guidance refers to these as the screening form and the long form. We have provided an example of a screening form in appendix E. Ecology encourages POTWs to use Ecology's [State Waste Discharge Permit Application](#) (Appendix G) as a survey form for those facilities that are likely to be significant industrial users. If you are viewing a printed version of this manual you can download the current version from Ecology's website. (ECY 040-177 <http://www.ecy.wa.gov/biblio/ecy040177.html>).

Using Ecology's permit application form as the "long form" for your survey provides Ecology information in the same format we usually receive it. It reduces duplication by allowing industries to resubmit the same information, with minimal changes, as a State Waste Discharge permit application should Ecology need that. And the POTW benefits from using two forms because most businesses will need to complete only the short form, which is easier to process and less expensive to mail. The short form, being simpler, results in fewer phone calls and gets a higher return rate. Some POTWs opt to send the short form to all users first, even "Priority A" users, and send long forms only if the short forms identify non-domestic discharges. Each approach has its advantages and disadvantages.

## Using a dual-purpose form

The main advantage of the dual-purpose form is that it doesn't require deciding if a business has non-domestic discharges. An example dual-purpose form is included in Appendix F. With this two-part form, the business (as opposed to the POTW) determines if it needs to complete the more lengthy second part of the form based on its answers in the first part. The POTW avoids internal delays caused by trying to decide which form to send, or by having to send a second "follow-up" form after returning the first. Such delays are exacerbated if the business doesn't return the initial form. When sending the full two-part form, postage and printing costs will be higher, and it must be clear that people don't have to complete the second part of the form. A

flexible approach is also possible where the POTW sends the two-part form only to businesses whose activities are unknown.

## Designing a custom survey form

The POTW may also wish to develop its own survey form for all their users or just for certain business sectors (e.g. restaurants, dentists, etc.). The POTW will need to ensure that any form they develop allows them to collect the below information from each user that may qualify as an MIU or SIU. This is the minimum data set that EPA expects the POTW to collect for such users. Ecology has designed the example survey forms and suggested reporting formats (forms 1, 2, and 3 and appendixes E-G), to collect and aid in reporting of this essential information.

- Name and address of the discharger.
- Products manufactured or services supplied (especially if pollutant constituents are not known).
- Standard Industrial Classification (SIC) code(s) of activity(ies) performed by the discharger (Appendix B is a list of standard SIC codes for business categories).
- EPA industrial category to which the discharger belongs, if appropriate (Appendix D lists the current categories for which pretreatment standards have been promulgated).
- Volume of flow of wastewater from each process.
- Type and concentration (or mass) of pollutants discharged (Appendix C is a list of the priority pollutants), or description of existing on-site industrial pretreatment (i.e., treatment prior to discharge to the sewer) facilities and practices.
- A listing of all environmental permits held by the discharger, and their expiration date. Include:
  - State waste discharge, NPDES, dangerous waste, and air discharge permits, and WAD#.
  - Dangerous waste disposal method, if applicable, including discharge of waste products to the sewer under the Domestic Sewage Exclusion (DSE). Appendix E contains excerpts from the Dangerous Waste Regulations, Chapter 173-303 WAC.

Ecology also strongly recommended that the POTW collect the following information in order to better evaluate the need for IU controls:

- Exact location of discharge points.
- Raw materials used or stored at the site.
- Flow diagram or sewer map for the industry.
- Number of employees.
- Operation and production schedules.
- Accidental Spill Prevention Plan (ASPP) or slug-discharge control plan description.

The POTW should develop survey questionnaires that are easy to read and understand. Both the screening form and survey questionnaire should require the signature of the owner or operator,

and the name and phone number of a company representative who can be contacted to arrange site visits for inspection and monitoring.

Local concerns may dictate additional questions or emphasis on certain areas instead of others. The one-page form must provide enough information on the business to conclusively decide whether a permit is required for the wastewater discharged.

In preparing its report to Ecology, the POTW should include completed permit applications (or long forms, whichever is used) for all the potential SIUs with the compiled survey results. If the application is properly completed, the business may be able to avoid completing a State Waste Discharge permit application.

## **Return envelopes, postage, and general tips**

Experience from POTWs over the years has found that the percentage of survey forms returned is higher when the following are done:

1. Have an outreach strategy, and take pains to contact each facility before sending the survey form so they know it is a legitimate, important request.
2. Include a letter explaining the survey. Cover the purpose, uses of information, deadlines to complete and return the form, what happens to those not providing information, and the POTW's contact information (See example in Appendix F).
3. Include a pre-addressed return envelope (with postage) with the survey form, or label the screening form so that when folded it is ready to send back through the mail.
4. Make the form as short and easy to complete as possible (you might wish to post an example or instructions on a web site).
5. Send survey forms "address correction requested" so the POTW gets the present location of any facility that has moved.

Some of these strategies are a tradeoff, since prepaid return envelopes and "address correction requested" service comes at a cost. Because of this, the POTW may wish to only send surveys to category A and B facilities with these features.

## **Eliminating categories of users from the survey**

POTWs may find it feasible to eliminate particular industries or groups of industries from survey efforts that have negligible potential to have a discharge of wastewater from any commercial activity, industrial operation, or manufacturing process, or otherwise discharge pollutants of concern to the POTW. This can be done either instead of sending the business a survey form, or after the survey form is returned and reviewed. Businesses which may be eliminated prior to the survey effort include theaters or retail sales firms, hotels, motels, or office buildings (when used as offices only).

When exempting categories of businesses from the survey effort, describe the criteria used in table 2 of the survey. Understand that some of the value of the survey effort is to have a signed

survey from a business to show the POTW's due diligence in case the business is later found to be discharging non-domestic waste. Therefore, Ecology does not recommend eliminating businesses which uses toxic chemicals from the requirement to conduct a survey.

## Tracking data

Immediately following the glossary, this guidance includes three forms for tracking and reporting survey data. Form 1 of this guidance is intended to be used to compile the list of priority A, B, and C facilities and track the sending and receipt of surveys from these facilities. This form provides space to note which survey form was mailed or delivered, when this was done, and when the next follow-up is due. Consider calling and speaking to any business which is to receive the survey form (long form) and any Priority "A" facility that will not be visited in person.

Form 2 is the list of businesses eliminated from further survey efforts, and this decision can optionally be included on Form 1. Form 3 is the listing of those businesses that are potentially significant IU's. This is the most important form for Ecology, and the real results of the survey effort. POTWs generally find it easier to compile data on this (or similar form) as it is returned so that if there are questions, the survey is fresh on the minds of the business that submitted the information.

## Step 4: Follow-up with Unresponsive Businesses

### General

The POTW should review IU Survey responses for completeness and accuracy as they are returned and keep track of which businesses have returned the surveys. The POTW should continue follow-up activities until needed survey information is obtained for all priority A and B facilities. The example "Form 1" is the suggested format for tracking whether surveys have been returned from all businesses on the master list. It is not always possible to get responsiveness. The POTW may want to visit facilities. If such visits provide enough information on businesses to eliminate them from further survey efforts, form 1 should be annotated accordingly.

### Approach

Ecology recommends all POTW staff have a general familiarity with the survey process, but one person at the POTW be assigned responsibilities as the designated contact for distributing and answering questions about the survey forms and compiling information. POTWs should put their priority into collecting signed applications and/or screening forms from Priority "A" and "B" facilities. Follow-up should include a variety of approaches such as site visits, telephone calls, and mailing additional forms. A courteous and respectful, but firm approach usually works well. Sometimes it takes visiting the business with an extra copy of the form, and helping them fill it out. It may sometimes be necessary to reiterate that properly completing and signing this form has been established by the community as a requirement of continued service by their

sewer provider. While often taken for granted, sewer customers may need to be reminded that sewer service is extended to those whom the POTW can confirm are abiding by the applicable rules, and is not a guaranteed right for all.

## **Timing**

Ecology recommends POTWs allow no more than a month for businesses to complete and return the survey form. The POTW should ensure that the deadline is clear, and may wish to follow-up prior to the deadline (depending on resources available). In either case, within two to four weeks after the deadline, the POTW should conduct follow up activities for all those with incomplete or missing surveys. The typical initial follow-up response is to contact the industry through letter, telephone call, or visit. The letter or POTW representative should make it clear that the business is required to complete the survey, that the information is urgently needed to ensure public assets are properly protected, and that the POTW must take an escalating enforcement response if the information is not forthcoming. POTWs should continue the follow-up every two weeks until a signed survey is obtained. Often POTWs stagger the mailing of surveys so as to spread out the workload of processing returned forms and compiling results from returned forms. This is a prudent approach but requires a good tracking system (form 1) and starting well in advance of when survey results are due to Ecology (if there is a deadline date in the NPDES permit).

## **Priority A facilities**

Since obtaining information on these facilities is the highest priority, Ecology recommends visiting each of these facilities to explain the purpose of the survey, and to ensure the form they need to complete (the long form) gets in the hands of the proper person. If time allows, explain to the business why you need the information requested on the form, and how they can get assistance completing the form.

## **Priority B facilities**

POTWs using a two-part form may want to send such businesses both parts. If using a screening form, the POTW must get a signed form back that attests to the fact that the business doesn't have any non-domestic wastestreams (or they should complete a long form). Ecology strongly recommends that POTWs ensure that all priority B facilities sign a survey form of some type, and that the POTW keeps a copy on file until a new form is signed. The reasons for this are discussed in Step 1.

## **Priority C facilities**

After the initial deadline for completing a survey has expired, Ecology recommends POTWs send such facilities another survey form with a "final notice" type letter. Collecting information from such facilities over the phone is OK, but will not provide the POTW with the signature that may be important for enforcement if the businesses are actively concealing discharges. This guidance does not suggest that a 100% return rate from Priority C facilities is reasonably

required, or that a signed form really guarantees that no harmful discharges originate at a facility. However, where screening forms are used the POTW should have a process that includes review of all returned forms for signatures and non-domestic discharges. Where appropriate, POTWs should have the facility complete a survey long form, and re-categorize the business as a higher priority facility for the next survey.

## **Interpreting/analyzing the data collected**

After collecting and tabulating the results of the survey on forms 1, 2, and 3, the POTW may wish to contact businesses categorized as SIUs to confirm the accuracy of information on the survey form regarding the volume and character of pollutants that are (or may be) being discharged to the POTW. The POTW would then prepare the data for transmittal to Ecology (see section 6), impose local requirements for special categories of users (e.g. grease dischargers), and file the signed forms for future reference.

## **Visiting businesses based upon hazardous waste generator status**

Ecology encourages POTWs to visit all businesses known or expected to store, use, or generate quantities of materials that would be hazardous waste if disposed of other than to the sewer. Reinforcing the POTWs interest in ensuring such waste streams are identified and properly managed is an important outcome of an IU Survey. Businesses found to be discharging what would otherwise be a dangerous waste should complete the full survey (long form). If the local government has a “moderate risk waste” coordinator, this person may be able to provide a list of local businesses to survey and might be willing to assist the POTW representative in visiting such facilities. In this manner, the survey process establish or support and reinforce an important and mutually beneficial relationship.

## **Step 5: Summarize Survey Results**

POTWs must organize the information on returned survey forms after checking to ensure they are complete and properly signed. The example forms 1, 2, and 3 provided with this guidance are designed to allow the POTW and Ecology to easily interpret the survey data.

### **Form 1**

"Master List of Industries Surveyed" is intended to be useful for tracking when businesses were sent a survey, what form they were sent, and when, and whether they returned a complete and signed survey. It also allows for dates of when additional contacts were made to the businesses. POTWs may use additional lines or footnotes to include more information.

## Form 2

"Industries Eliminated From Further Survey Efforts" is a format for listing the businesses from the master list which are found to be "Domestic Equivalent Users" as defined in the glossary (pages 13-15) and the basis for this classification. The businesses on this form may either have been eliminated by the POTW when information available to the POTW or supplied by the business shows no potential for discharge of pollutants other than in domestic rates and concentrations, and the industry did not otherwise qualify as a "Significant Industrial User", or "Minor Industrial user".

## Form 3

Survey data for Significant and Minor Industries" provides a format for compiling information about businesses which discharge some quantity of industrial wastewater. The POTW should also include, in this listing, any businesses conducting activities regulated by EPA categorical standards (whether discharging or not), and all businesses with a recognized potential to violate a pretreatment standards or requirement. To make it easier for Ecology to use this information, Form 3 is divided into two sections. The first section is for "Significant Industrial Users" (SIUs) as defined in 40 CFR§ 403.3. POTWs should list "Minor Industrial Users" (MIUs) in a second section of this form. Generally, Ecology is required to permit all SIUs, but does not necessarily permit MIUs. Therefore, any business which the POTW believes must be under permit to properly safeguard the POTW needs to be listed under the SIU section. The definitions of these terms are found in the glossary.

## Dangerous waste regulation compliance

The Washington State Dangerous Waste Regulations, Chapter 173-303 WAC, do not allow the discharge of dangerous waste, or mixtures or sewage and dangerous waste to the sewer without prior approval of the POTW and Ecology (or just the POTW if the POTW has been delegated permitting authority). Appendix E includes the appropriate excerpts from this regulation which define the requirements applicable to such dischargers. POTWs should list any businesses seeking authorization or claiming coverage under the domestic sewage exclusion on form 3.

## Data management

POTWs typically now use a computer based database or spreadsheet program to compile and tabulate IU Survey data. In such case, the headings of the tables can be entered into a spreadsheet, and information on each business can be entered into a separate row. Such programs can make it easier to keep track a number of items. This includes the facilities that still need to complete the survey form, and those with incomplete data. Data management software could also help keep track of phone calls and written correspondence and to tabulate and format the IU Survey results (forms 2 and 3). In short, several aspects of the IU Survey lend themselves to a spreadsheet or database application. The options for such are varied, ranging from the rather basic to very sophisticated custom applications. So long as the end result is that Ecology

receives the data needed on businesses that may need an Ecology permit, all are equally valid options.

## **Step 6: Complete the Survey Report**

To adequately document the IU Survey and assist Ecology in reviewing the POTW's efforts, the POTW's IU Survey submittal to Ecology should include:

- A copy of the POTW's ordinance which compels businesses to complete the IU Survey.
- The sources of information used to compile the master list of potential IUs to survey.
- The strategy for obtaining survey information, and a blank copy of the questionnaire and cover letter format sent to industries.
- Form 1– The master list of industries surveyed, dates of follow-up actions taken by the POTW, and the business that still need to provide the POTW a survey form.
- Form 2 – The list of industries eliminated from further survey efforts and the rationale.
- Form 3 – The list of MIUs and SIUs with important information tabulated.
- Copies of signed IU Survey forms for the potential SIUs (except those that already have Ecology permits).

## **Step 7: Update the Industrial User Survey**

### **Why POTWs need to update the IU survey**

Dynamic manufacturing and business environments cause existing businesses to periodically change products and processes. Often these changes, in turn, significantly alter the wastes discharged. POTWs need to have a way to keep abreast of these changes to prevent harm to the POTW. Without pretreatment oversight, such discharges can cause a range of negative effects, such as Upset or Pass Through at the POTW. Keeping up with these periodic changes requires the IU Survey to be a continuing process. Ecology expects that POTWs will take the following actions to remain abreast of new industries:

- Have a process for reviewing new and changed businesses and new water users.
- Periodically completely redo the IU Survey (a five year cycle is recommended).
- When finding a new or changed discharge, require and forward a new signed IU Survey to Ecology. If the new discharge is clearly an SIU, POTWs are asked to sign the permit application (showing they know of the request), but reinforce Ecology requirement that any SIU obtain a permit prior to discharge.

## **Designing an ongoing survey system**

The POTWs system for obtaining information on new potential SIUs prior to start-up should use sources similar to those used to compile the master list of businesses to survey (see step 2). Some of these are periodically published, and others continuously occur (building permits). In either event, the process should be integrated into the existing government functions such as planning, code enforcement, and utilities billing and management. Ecology expects POTWs to require all new businesses to complete and sign a survey screening form before being provided sewer service. Where businesses identify they will have a non-domestic waste stream, POTWs should require proof that the business has sent a permit application to Ecology before providing sewer service. POTWs should periodically check on the status of any businesses they believe will be SIUs.

NPDES permit conditions typically support this expectation by including a requirement for POTWs to notify Ecology of any proposed significant industrial user. Many permits also require the POTW to, in turn, require any business which may be an SIU to obtain a permit (or permit by rule) prior to discharging.

## **Permit by rule**

If, after 60 days, Ecology has not acted on a properly completed request for a permit, the business has a permit by rule to discharge the pollutants identified in its permit application. This applies unless the business is subject to a categorical pretreatment standard. Such businesses must actually be issued a permit to be authorized to discharge. Where a permit by rule is applicable, and has been obtained, the POTW may accept the wastestreams described, but a POTW is never obliged to do so.

## **Performing an annual survey update**

Ecology asks POTWs to annually update their survey based on information gained over the prior year. This typically involves obtaining new surveys from businesses either not previously in operation or not previously surveyed. In either case, such updates are critical to protecting the POTW where there are a number of businesses in the community. The POTW should provide a new "Form 3" with new businesses underlined, deleted businesses lined through, and a brief rationale for any deletions. Similar to a complete survey, the POTW should include a complete survey form for any business which they believe qualifies as an SIU.

## **Performing a new IU survey**

The process of conducting a survey update is the same as conducting the initial survey (steps 1-7). Ecology expects POTWs to completely re-survey their non-domestic dischargers and require all priority A and B businesses to provide a new signed survey form every five years. The only difference in the report described in step 6 is that in Form 3 new businesses (from the last form 3 submitted to Ecology) should be underlined and deletions lined through with a brief explanation for each IU deleted.

## Timing

Ecology strives to time the resubmission of new surveys with the NPDES Permit application (due about six months prior to beginning the "basin focus year") to provide the most current information to Ecology. This best supports Ecology's permit-writing efforts. If the POTW has the option to do the survey at this time, this is the most beneficial time to provide such information. POTWs may wish to coordinate with the Water Quality Program's basin permit manager to ensure that the timing of the survey allows it to be submitted when it is most useful to Ecology.

## Glossary

### **Categorical pretreatment standards**

(40 CFR § 403.6) National pretreatment standards specifying quantities or concentrations of pollutants or pollutant properties which may be discharged to a POTW by existing or new industrial users in specific industrial subcategories established under 40 CFR chapter I, subchapter N. Appendix D of this guidance document includes a listing of those industrial subcategories for which standards for indirect discharge have been established or are proposed for the near future.

### **Domestic equivalent users**

Businesses or commercial accounts which have been eliminated from further survey efforts based upon the POTW's finding that the discharges do not qualify the business as either an SIU or an MIU as defined in this glossary. These users should be listed on form 1 (businesses surveyed) and form 2 (businesses that have only domestic wastewater). This definition was created for and is applicable only to the IU Survey process.

### **Industrial user**

Throughout this document, the term "Industry" or "Industrial User" is meant to apply to ANY "Person" (defined in 173-216-030(13) WAC) within the POTW's service area who has, or may have, a discharge of "industrial wastewater" (as defined below), or who would be subject to Categorical Standards promulgated by EPA if they were discharging.

### **Industrial wastewater (from 173-216-030(7) WAC)**

Any water or liquid-carried waste from any process or activity of industry, manufacture, trade, or business; from the development of any natural resource; or from animal operations; and includes contaminated storm water and leachate from solid waste facilities. (Submission of plans and reports for construction of wastewater facilities is required by chapter 173-240 WAC).

### **Minor industrial user (MIU)**

These are persons who do not qualify as significant industrial users (SIUs) according to the below definition, but who still either:

- Have some discharges of wastewater containing pollutants not typical of domestic wastewater, and potentially of concern to the POTW;
- Have a discharge of only domestic wastewater to the POTW, but discharges of industrial wastewater to ground and/or surface waters;

- Have a discharge of small quantities of dangerous waste to the POTW that have been excluded from regulation under Chapter 173-303 WAC through the domestic sewage exclusion;
- Have a potential to discharge or spill chemicals to the POTW which could impair the normal operation of the POTW, adversely affect worker health or safety, or violate standards for discharge to the receiving waters; or
- Conduct operations for which categorical pretreatment standards would apply if there were a discharge of wastewater, but which currently have no waste stream (i.e., "dry" or "zero-discharge" categorical industries).

**Person (from 173-216-030(7) WAC)**

Includes any political subdivision, local, state or federal government agency, municipality, industry, public or private corporation, partnership, association, firm, individual, or any other entity whatsoever.

**POTW (from 173-216-030(9) WAC)**

A publicly owned domestic wastewater facility or a privately owned domestic wastewater facility that is under contract to a municipality.

**Significant industrial user (SIU) (From 40 CFR 403.3(v))**

(1) Except as provided in paragraphs (v)(2) and (v)(3) of this section, the term Significant Industrial User means:

(i) All Industrial Users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR chapter I, subchapter N; and

(ii) Any other Industrial User that: discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW Treatment plant; or is designated as such by the Control Authority\* on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or requirement (in accordance with 40 CFR 403.8(f)(6)).

(2) The Control Authority\* may determine that an Industrial User subject to categorical Pretreatment Standards under §403.6 and 40 CFR chapter I, subchapter N is a Non-Significant Categorical Industrial User rather than a Significant Industrial User on a finding that the Industrial User never discharges more than 100 gallons per day (gpd) of total categorical wastewater (excluding sanitary, non-contact cooling and boiler blowdown wastewater, unless specifically included in the Pretreatment Standard) and the following conditions are met:

(i) The Industrial User, prior to the Control Authority's\* finding, has consistently complied with all applicable categorical Pretreatment Standards and Requirements;

(ii) The Industrial User annually submits the certification statement required in §403.12(q) together with any additional information necessary to support the certification statement; and

(iii) The Industrial User never discharges any untreated concentrated wastewater.

Upon a finding that an Industrial User meeting the criteria in paragraph (v)(1)(ii) of this section has no reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standards or requirement, the Control Authority\* may, on its own initiative or in response to a petition received from the Industrial User or the POTW, and in accordance with 40 CFR 403.8(f)(6), determine that such Industrial User is not a Significant Industrial User.

\* The "Control Authority" is Ecology unless the POTW's discharge permit authorizes them to implement a delegated pretreatment program.

# Appendices

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# Appendix A. Sample forms and examples

FORM 1: Master List of Potential Industrial Users to Survey, and Summary of the Status of Responses:

Company Name Company Address	Survey sent (y/n) Date Name of person survey sent to	Survey returned (y/n) Date Accepted (y/n)	Date resubmittal requested	Date complete survey obtained	Actions taken to get survey information
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	
	Survey Sent (y/n) __ / __ / __ TO:	Returned (y/n) __ / __ / __ Accepted (y/n)	(phoned/visit/wrote) on __ / __ / __	Complete Survey __ / __ / __	

EXAMPLE 1: Using the Industrial User Master Survey List for Tracking:

Company Name Company Address	Survey sent (y/n) Date Name of person survey sent to	Survey returned (y/n) Date Accepted (y/n)	Date resubmittal requested	Date complete survey obtained	Actions taken to get survey information
Large Laundry 1250 Main St.	Survey Sent (y/n) _ / _ / _ TO: Ed Berkowitz	Returned (y/n) _ / _ / _ Accepted (y/n) _ / _ / _	(phoned/visit/wrote) on _ / _ / _	Complete Survey _ / _ / _	
Waxo's Carwash 5509 12th St.	Survey Sent (y/n) _ / _ / _ TO: Jim Waxo	Returned (y/n) _ / _ / _ Accepted (y/n) _ / _ / _	(phoned/visit/wrote) on _ / _ / _	Complete Survey _ / _ / _	
Albert's Son's 401 Main St.	Survey Sent (y/n) _ / _ / _ TO: N/A	Returned (y/n) _ / _ / _ Accepted (y/n) _ / _ / _	(phoned/visit/wrote) on _ / _ / _	Complete Survey _ / _ / _	
0-Hour Photo 1209 Broadway	Survey Sent (y/n) _ / _ / _ TO: Don Kelley	Returned (y/n) _ / _ / _ Accepted (y/n) _ / _ / _	(phoned/visit/wrote) on _ / _ / _	Complete Survey _ / _ / _	



EXAMPLE 2: Industries & Businesses Eliminated from Further Tracking

Company Name	Contact Name & Phone #	total flow rate	Reason eliminated from the survey
Company Address	Business	domestic flow rate	Reason for difference between total and domestic flow rates (if any)
J.T. Quark, Inc	J. Quark, Jr, 123-4567	8,000 GPD	All discharges are similar in nature and concentration to domestic flow.
123 Side St.	Drafting Company	6,000 GPD	There is 2,000 GPD discharge of condensate from air conditioning systems.

GENERAL SCREENING CRITERIA:

Reasons for not surveying Industries (commercial customers):

- The customer is known to not have the potential to discharge other than domestic wastewater, or
- The POTW does not believe that non-domestic waste streams are generated and has telephonically confirmed this, and the potential for error is low.

Reasons for eliminated Industries after receiving a completed IU surveys:

- All discharges have been determined to be similar in character and nature to what is typical of "domestic wastewater".
- The only possible contaminant is vegetable and/or animal grease for which there is a grease trap with a maintenance schedule.

Other acceptable reasons for eliminated Industries:

- The industrial user has only a discharge of noncontact cooling water and/or boiler blow down.
- The industrial user has only a discharge of other unpolluted waters (explain).
- The industrial user has only a discharge of condensate from air conditioning or dehumidification systems.
- Non-domestic wastestreams are present, but are not discharged to the POTW (note disposal method).
- The industry uses a recirculating or other "zero discharge" system for which a maintenance plan exists and records kept to ensure against batch discharge to the POTW.
- All of the industry's non-domestic wastewaters are sent to a disposal facility and disposal records are maintained for a minimum of 3 years.

(Although dischargers in this third grouping may be eliminated by the POTW, it is essential that a signed and properly completed survey form be returned for each industry eliminated based on this last group of screening criteria. The POTW should keep this signed completed IU Survey form until after the next IU Survey is completed. This will protect the POTW from liability from industries which begin discharge of significant levels of pollutants between surveys.)

FORM 3 - SURVEY DATA FOR SIGNIFICANT AND MINOR INDUSTRIAL USERS

Company Name*	Primary Activity*	total water use*	Was wastewater analyzed?	Pretreatment	Other permits held	Potential for
Contact* (ph#)	Process / Products	sanitary flows*	Pollutant/concent. (if so)	Needed (Y/N)	Permit# / exp date	slug loads or
Address*	SIC Code(s)	process water*	note all pollutants found	Type if done	(repeat as needed)	spill to POTW


\* = These Items must be completed for each industry surveyed that is an SIU or potential SIU.

EXAMPLE 3: Industrial User Survey Data for Significant and Minor Industrial Users:

Company Name*	Primary Activity*	Water use total*	Was wastewater analyzed?	Pretreatment	Other permits held	Potential for
Contact* (ph#)	Process / Products	sanitary flows*	Pollutant/concent.(if so*)	Needed (Y/N)	Permit# / exp date	slug loads or
Address*	SIC Code(s)	process water*	note all pollutants found	Type if done	(repeat as needed)	spill to POTW
Acme Tar Co.	Chem. manufacture	35,000 GPD	Sampled? - Yes from 3/96	Unknown	NPDES - WA35744	low for slug
Joe Robert @	Coal Tar / emul.	25,000 GPD	Benzene - 25 ppm	carbon filter	(exp.4/15/98)	loads, but
(360) 123-4567	SIC: 2865	4,000 GPD	Chrysene - (2ppm)	for process ww	PSAPCA - PSAPC83704	high for spills
123 Front St.		(6,000 GPD evap.)	Benzo(a)pyrene - unknown		(exp.5/21/97)	

\* An asterisk denotes minimum fields for acceptably thorough surveys.

CLARIFICATIONS:

Under Primary Activity - List the general industry type.

Under SIC Code - List SIC codes for all processes and activities done.

For flow rates - List in GPD (gallons per day) or MGD (millions of gallons per day). The total water used usually equals the sum of process water, wastewater from domestic purposes (bathrooms, residential kitchens and laundries), the water used in the product, and evaporation.

For pollutants and concentrations - List only if this information is known or reported. Sampling industrial wastewater is not part of the IU Survey. Under other permits held - List all environmental permits held by the permittee.

For Slug load and spill potential - Evaluate as High, Medium, or Low if possible.

To list additional products, permits, or pollutants discharged - use as many lines as necessary

## Appendix B. SIC Codes

Quick Reference of potential Internet Sources of SIC Code Data (OMB 1987):

<http://www.osha.gov/cgi-bin/sic/sicser5>  
<http://www.osha.gov/oshstats/sicser.html>

New North American Industrial Categorization Service (NAICS) 2002 Code Reference  
<http://www.census.gov/epcd/www/naics.html>

**IMPORTANT NOTE:** The Federal Office of Management and Budget (OMB) developed Standard Industrial Classification codes (SIC) codes to categorize establishments by the type(s) of activity(ies) that they conduct. Each code consists of four digits indicating the specific nature of agricultural, manufacturing, service, trade, or public administration goods that an establishment provides. The SIC Code system (latest revision 1987) was replaced by the NAICS system (1997, 2002) for use by federal agencies. As better resources for inclusion in this guidance are available, this appendix will be updated. Until such time, the internet site above for NAICS is the best reference we can offer.

If SIC codes are used, remember that acceptable SIC Codes for use in IU Surveys never end in zero. Codes such as 2400 are *not* acceptable, and the IU Survey form may not be accepted until additional clarification is received.

2002 NAICS Code	2002 NAICS Title		
11	Agriculture, Forestry, Fishing and Hunting	111419	Other Food Crops Grown Under Cover
111	Crop Production	11142	Nursery and Floriculture Production
1111	Oilseed and Grain Farming	111421	Nursery and Tree Production
11111	Soybean Farming	111422	Floriculture Production
111110	Soybean Farming	1119	Other Crop Farming
11112	Oilseed (except Soybean) Farming	11191	Tobacco Farming
111120	Oilseed (except Soybean) Farming	111910	Tobacco Farming
11113	Dry Pea and Bean Farming	11192	Cotton Farming
111130	Dry Pea and Bean Farming	111920	Cotton Farming
11114	Wheat Farming	11193	Sugarcane Farming
111140	Wheat Farming	111930	Sugarcane Farming
11115	Corn Farming	11194	Hay Farming
111150	Corn Farming	111940	Hay Farming
11116	Rice Farming	11199	All Other Crop Farming
111160	Rice Farming	111991	Sugar Beet Farming
11119	Other Grain Farming	111992	Peanut Farming
111191	Oilseed and Grain Combination Farming	111998	All Other Miscellaneous Crop Farming
111199	All Other Grain Farming	112	Animal Production
1112	Vegetable and Melon Farming	1121	Cattle Ranching and Farming
11121	Vegetable and Melon Farming	11211	Beef Cattle Ranching and Farming, including Feedlots
111211	Potato Farming	112111	Beef Cattle Ranching and Farming
111219	Other Vegetable (except Potato) and Melon Farming	112112	Cattle Feedlots
1113	Fruit and Tree Nut Farming	11212	Dairy Cattle and Milk Production
11131	Orange Groves	112120	Dairy Cattle and Milk Production
111310	Orange Groves	11213	Dual-Purpose Cattle Ranching and Farming
11132	Citrus (except Orange) Groves	112130	Dual-Purpose Cattle Ranching and Farming
111320	Citrus (except Orange) Groves	1122	Hog and Pig Farming
11133	Noncitrus Fruit and Tree Nut Farming	11221	Hog and Pig Farming
111331	Apple Orchards	112210	Hog and Pig Farming
111332	Grape Vineyards	1123	Poultry and Egg Production
111333	Strawberry Farming	11231	Chicken Egg Production
111334	Berry (except Strawberry) Farming	112310	Chicken Egg Production
111335	Tree Nut Farming	11232	Broilers and Other Meat Type Chicken Production
111336	Fruit and Tree Nut Combination Farming	112320	Broilers and Other Meat Type Chicken Production
111339	Other Noncitrus Fruit Farming	11233	Turkey Production
1114	Greenhouse, Nursery, and Floriculture Production	112330	Turkey Production
11141	Food Crops Grown Under Cover	11234	Poultry Hatcheries
111411	Mushroom Production	112340	Poultry Hatcheries
		11239	Other Poultry Production
		112390	Other Poultry Production

List of SIC Codes (Continued)

1124	Sheep and Goat Farming	1151	Support Activities for Crop Production
11241	Sheep Farming	11511	Support Activities for Crop Production
112410	Sheep Farming	115111	Cotton Ginning
11242	Goat Farming	115112	Soil Preparation, Planting, and Cultivating
112420	Goat Farming	115113	Crop Harvesting, Primarily by Machine
1125	Animal Aquaculture	115114	Postharvest Crop Activities (except Cotton Ginning)
11251	Animal Aquaculture	115115	Farm Labor Contractors and Crew Leaders
112511	Finfish Farming and Fish Hatcheries	115116	Farm Management Services
112512	Shellfish Farming	1152	Support Activities for Animal Production
112519	Other Animal Aquaculture	11521	Support Activities for Animal Production
1129	Other Animal Production	115210	Support Activities for Animal Production
11291	Apiculture	1153	Support Activities for Forestry
112910	Apiculture	11531	Support Activities for Forestry
11292	Horses and Other Equine Production	115310	Support Activities for Forestry
112920	Horses and Other Equine Production	21	Mining
11293	Fur-Bearing Animal and Rabbit Production	211	Oil and Gas Extraction
112930	Fur-Bearing Animal and Rabbit Production	2111	Oil and Gas Extraction
11299	All Other Animal Production	21111	Oil and Gas Extraction
112990	All Other Animal Production	211111	Crude Petroleum and Natural Gas Extraction
113	Forestry and Logging	211112	Natural Gas Liquid Extraction
1131	Timber Tract Operations	212	Mining (except Oil and Gas)
11311	Timber Tract Operations	2121	Coal Mining
113110	Timber Tract Operations	21211	Coal Mining
1132	Forest Nurseries and Gathering of Forest Products	212111	Bituminous Coal and Lignite Surface Mining
11321	Forest Nurseries and Gathering of Forest Products	212112	Bituminous Coal Underground Mining
113210	Forest Nurseries and Gathering of Forest Products	212113	Anthracite Mining
1133	Logging	2122	Metal Ore Mining
11331	Logging	21221	Iron Ore Mining
113310	Logging	212210	Iron Ore Mining
114	Fishing, Hunting and Trapping	21222	Gold Ore and Silver Ore Mining
1141	Fishing	212221	Gold Ore Mining
11411	Fishing	212222	Silver Ore Mining
114111	Finfish Fishing	21223	Copper, Nickel, Lead, and Zinc Mining
114112	Shellfish Fishing	212231	Lead Ore and Zinc Ore Mining
114119	Other Marine Fishing	212234	Copper Ore and Nickel Ore Mining
1142	Hunting and Trapping	21229	Other Metal Ore Mining
11421	Hunting and Trapping	212291	Uranium-Radium-Vanadium Ore Mining
114210	Hunting and Trapping	212299	All Other Metal Ore Mining
115	Support Activities for Agriculture and Forestry	2123	Nonmetallic Mineral Mining and Quarrying
		21231	Stone Mining and Quarrying

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212311	Dimension Stone Mining and Quarrying	221121	Electric Bulk Power Transmission and Control
212312	Crushed and Broken Limestone Mining and Quarrying	221122	Electric Power Distribution
212313	Crushed and Broken Granite Mining and Quarrying	2212	Natural Gas Distribution
		22121	Natural Gas Distribution
		221210	Natural Gas Distribution
212319	Other Crushed and Broken Stone Mining and Quarrying	2213	Water, Sewage and Other Systems
21232	Sand, Gravel, Clay, and Ceramic and Refractory Minerals Mining and Quarrying	22131	Water Supply and Irrigation Systems
		221310	Water Supply and Irrigation Systems
		22132	Sewage Treatment Facilities
212321	Construction Sand and Gravel Mining	221320	Sewage Treatment Facilities
212322	Industrial Sand Mining	22133	Steam and Air-Conditioning Supply
212324	Kaolin and Ball Clay Mining	221330	Steam and Air-Conditioning Supply
212325	Clay and Ceramic and Refractory Minerals Mining	23	Construction
21239	Other Nonmetallic Mineral Mining and Quarrying	236	Construction of Buildings
		2361	Residential Building Construction
212391	Potash, Soda, and Borate Mineral Mining	23611	Residential Building Construction
212392	Phosphate Rock Mining	236115	New Single-Family Housing Construction (except Operative Builders)
212393	Other Chemical and Fertilizer Mineral Mining	236116	New Multifamily Housing Construction (except Operative Builders)
212399	All Other Nonmetallic Mineral Mining	236117	New Housing Operative Builders
213	Support Activities for Mining	236118	Residential Remodelers
2131	Support Activities for Mining	2362	Nonresidential Building Construction
21311	Support Activities for Mining	23621	Industrial Building Construction
213111	Drilling Oil and Gas Wells	236210	Industrial Building Construction
213112	Support Activities for Oil and Gas Operations	23622	Commercial and Institutional Building Construction
213113	Support Activities for Coal Mining	236220	Commercial and Institutional Building Construction
213114	Support Activities for Metal Mining	237	Heavy and Civil Engineering Construction
213115	Support Activities for Nonmetallic Minerals (except Fuels)	2371	Utility System Construction
22	Utilities	23711	Water and Sewer Line and Related Structures Construction
221	Utilities	237110	Water and Sewer Line and Related Structures Construction
2211	Electric Power Generation, Transmission and Distribution	23712	Oil and Gas Pipeline and Related Structures Construction
22111	Electric Power Generation	237120	Oil and Gas Pipeline and Related Structures Construction
221111	Hydroelectric Power Generation	23713	Power and Communication Line and Related Structures Construction
221112	Fossil Fuel Electric Power Generation	237130	Power and Communication Line and Related Structures Construction
221113	Nuclear Electric Power Generation		
221119	Other Electric Power Generation	2372	Land Subdivision
22112	Electric Power Transmission, Control, and Distribution		

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23721	Land Subdivision	2383	Building Finishing Contractors
237210	Land Subdivision	23831	Drywall and Insulation Contractors
2373	Highway, Street, and Bridge Construction	238310	Drywall and Insulation Contractors
23731	Highway, Street, and Bridge Construction	23832	Painting and Wall Covering Contractors
237310	Highway, Street, and Bridge Construction	238320	Painting and Wall Covering Contractors
2379	Other Heavy and Civil Engineering Construction	23833	Flooring Contractors
23799	Other Heavy and Civil Engineering Construction	238330	Flooring Contractors
237990	Other Heavy and Civil Engineering Construction	23834	Tile and Terrazzo Contractors
238	Specialty Trade Contractors	238340	Tile and Terrazzo Contractors
2381	Foundation, Structure, and Building Exterior Contractors	23835	Finish Carpentry Contractors
23811	Poured Concrete Foundation and Structure Contractors	238350	Finish Carpentry Contractors
238110	Poured Concrete Foundation and Structure Contractors	23839	Other Building Finishing Contractors
23812	Structural Steel and Precast Concrete Contractors	238390	Other Building Finishing Contractors
238120	Structural Steel and Precast Concrete Contractors	2389	Other Specialty Trade Contractors
23813	Framing Contractors	23891	Site Preparation Contractors
238130	Framing Contractors	238910	Site Preparation Contractors
23814	Masonry Contractors	23899	All Other Specialty Trade Contractors
238140	Masonry Contractors	238990	All Other Specialty Trade Contractors
23815	Glass and Glazing Contractors	31-33	Manufacturing
238150	Glass and Glazing Contractors	311	Food Manufacturing
23816	Roofing Contractors	3111	Animal Food Manufacturing
238160	Roofing Contractors	31111	Animal Food Manufacturing
23817	Siding Contractors	311111	Dog and Cat Food Manufacturing
238170	Siding Contractors	311119	Other Animal Food Manufacturing
23819	Other Foundation, Structure, and Building Exterior Contractors	3112	Grain and Oilseed Milling
238190	Other Foundation, Structure, and Building Exterior Contractors	31121	Flour Milling and Malt Manufacturing
2382	Building Equipment Contractors	311211	Flour Milling
23821	Electrical Contractors	311212	Rice Milling
238210	Electrical Contractors	311213	Malt Manufacturing
23822	Plumbing, Heating, and Air-Conditioning Contractors	31122	Starch and Vegetable Fats and Oils Manufacturing
238220	Plumbing, Heating, and Air-Conditioning Contractors	311221	Wet Corn Milling
23829	Other Building Equipment Contractors	311222	Soybean Processing
238290	Other Building Equipment Contractors	311223	Other Oilseed Processing
		311225	Fats and Oils Refining and Blending
		31123	Breakfast Cereal Manufacturing
		311230	Breakfast Cereal Manufacturing
		3113	Sugar and Confectionery Product Manufacturing
		31131	Sugar Manufacturing
		311311	Sugarcane Mills
		311312	Cane Sugar Refining
		311313	Beet Sugar Manufacturing
		31132	Chocolate and Confectionery Manufacturing from Cacao Beans

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311320	Chocolate and Confectionery Manufacturing from Cacao Beans	311712	Fresh and Frozen Seafood Processing
31133	Confectionery Manufacturing from Purchased Chocolate	3118	Bakeries and Tortilla Manufacturing
311330	Confectionery Manufacturing from Purchased Chocolate	31181	Bread and Bakery Product Manufacturing
31134	Nonchocolate Confectionery Manufacturing	311811	Retail Bakeries
311340	Nonchocolate Confectionery Manufacturing	311812	Commercial Bakeries
3114	Fruit and Vegetable Preserving and Specialty Food Manufacturing	311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
31141	Frozen Food Manufacturing	31182	Cookie, Cracker, and Pasta Manufacturing
311411	Frozen Fruit, Juice, and Vegetable Manufacturing	311821	Cookie and Cracker Manufacturing
311412	Frozen Specialty Food Manufacturing	311822	Flour Mixes and Dough Manufacturing from Purchased Flour
31142	Fruit and Vegetable Canning, Pickling, and Drying	311823	Dry Pasta Manufacturing
311421	Fruit and Vegetable Canning	31183	Tortilla Manufacturing
311422	Specialty Canning	311830	Tortilla Manufacturing
311423	Dried and Dehydrated Food Manufacturing	3119	Other Food Manufacturing
3115	Dairy Product Manufacturing	31191	Snack Food Manufacturing
31151	Dairy Product (except Frozen) Manufacturing	311911	Roasted Nuts and Peanut Butter Manufacturing
311511	Fluid Milk Manufacturing	311919	Other Snack Food Manufacturing
311512	Creamery Butter Manufacturing	31192	Coffee and Tea Manufacturing
311513	Cheese Manufacturing	311920	Coffee and Tea Manufacturing
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	31193	Flavoring Syrup and Concentrate Manufacturing
31152	Ice Cream and Frozen Dessert Manufacturing	311930	Flavoring Syrup and Concentrate Manufacturing
311520	Ice Cream and Frozen Dessert Manufacturing	31194	Seasoning and Dressing Manufacturing
3116	Animal Slaughtering and Processing	311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
31161	Animal Slaughtering and Processing	311942	Spice and Extract Manufacturing
311611	Animal (except Poultry) Slaughtering	31199	All Other Food Manufacturing
311612	Meat Processed from Carcasses	311991	Perishable Prepared Food Manufacturing
311613	Rendering and Meat Byproduct Processing	311999	All Other Miscellaneous Food Manufacturing
311615	Poultry Processing	312	Beverage and Tobacco Product Manufacturing
3117	Seafood Product Preparation and Packaging	3121	Beverage Manufacturing
31171	Seafood Product Preparation and Packaging	31211	Soft Drink and Ice Manufacturing
311711	Seafood Canning	312111	Soft Drink Manufacturing
		312112	Bottled Water Manufacturing
		312113	Ice Manufacturing
		31212	Breweries
		312120	Breweries
		31213	Wineries
		312130	Wineries
		31214	Distilleries

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312140	Distilleries	31499	All Other Textile Product Mills
3122	Tobacco Manufacturing	314991	Rope, Cordage, and Twine Mills
31221	Tobacco Stemming and Redrying	314992	Tire Cord and Tire Fabric Mills
312210	Tobacco Stemming and Redrying	314999	All Other Miscellaneous Textile Product Mills
31222	Tobacco Product Manufacturing		
312221	Cigarette Manufacturing	315	Apparel Manufacturing
312229	Other Tobacco Product Manufacturing	3151	Apparel Knitting Mills
313	Textile Mills	31511	Hosiery and Sock Mills
3131	Fiber, Yarn, and Thread Mills	315111	Sheer Hosiery Mills
31311	Fiber, Yarn, and Thread Mills	315119	Other Hosiery and Sock Mills
313111	Yarn Spinning Mills	31519	Other Apparel Knitting Mills
313112	Yarn Texturizing, Throwing, and Twisting Mills	315191	Outerwear Knitting Mills
313113	Thread Mills	315192	Underwear and Nightwear Knitting Mills
3132	Fabric Mills	3152	Cut and Sew Apparel Manufacturing
31321	Broadwoven Fabric Mills	31521	Cut and Sew Apparel Contractors
313210	Broadwoven Fabric Mills	315211	Men's and Boys' Cut and Sew Apparel Contractors
31322	Narrow Fabric Mills and Schiffli Machine Embroidery	315212	Women's, Girls', and Infants' Cut and Sew Apparel Contractors
313221	Narrow Fabric Mills	31522	Men's and Boys' Cut and Sew Apparel Manufacturing
313222	Schiffli Machine Embroidery	315221	Men's and Boys' Cut and Sew Underwear and Nightwear Manufacturing
31323	Nonwoven Fabric Mills	315222	Men's and Boys' Cut and Sew Suit, Coat, and Overcoat Manufacturing
313230	Nonwoven Fabric Mills	315223	Men's and Boys' Cut and Sew Shirt (except Work Shirt) Manufacturing
31324	Knit Fabric Mills	315224	Men's and Boys' Cut and Sew Trouser, Slack, and Jean Manufacturing
313241	Weft Knit Fabric Mills	315225	Men's and Boys' Cut and Sew Work Clothing Manufacturing
313249	Other Knit Fabric and Lace Mills	315228	Men's and Boys' Cut and Sew Other Outerwear Manufacturing
3133	Textile and Fabric Finishing and Fabric Coating Mills	31523	Women's and Girls' Cut and Sew Apparel Manufacturing
31331	Textile and Fabric Finishing Mills	315231	Women's and Girls' Cut and Sew Lingerie, Loungewear, and Nightwear Manufacturing
313311	Broadwoven Fabric Finishing Mills	315232	Women's and Girls' Cut and Sew Blouse and Shirt Manufacturing
313312	Textile and Fabric Finishing (except Broadwoven Fabric) Mills	315233	Women's and Girls' Cut and Sew Dress Manufacturing
31332	Fabric Coating Mills	315234	Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket, and Skirt Manufacturing
313320	Fabric Coating Mills		
314	Textile Product Mills		
3141	Textile Furnishings Mills		
31411	Carpet and Rug Mills		
314110	Carpet and Rug Mills		
31412	Curtain and Linen Mills		
314121	Curtain and Drapery Mills		
314129	Other Household Textile Product Mills		
3149	Other Textile Product Mills		
31491	Textile Bag and Canvas Mills		
314911	Textile Bag Mills		
314912	Canvas and Related Product Mills		

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315239	Women's and Girls' Cut and Sew Other Outerwear Manufacturing	321113	Sawmills
31529	Other Cut and Sew Apparel Manufacturing	321114	Wood Preservation
315291	Infants' Cut and Sew Apparel Manufacturing	3212	Veneer, Plywood, and Engineered Wood Product Manufacturing
315292	Fur and Leather Apparel Manufacturing	32121	Veneer, Plywood, and Engineered Wood Product Manufacturing
315299	All Other Cut and Sew Apparel Manufacturing	321211	Hardwood Veneer and Plywood Manufacturing
3159	Apparel Accessories and Other Apparel Manufacturing	321212	Softwood Veneer and Plywood Manufacturing
31599	Apparel Accessories and Other Apparel Manufacturing	321213	Engineered Wood Member (except Truss) Manufacturing
315991	Hat, Cap, and Millinery Manufacturing	321214	Truss Manufacturing
315992	Glove and Mitten Manufacturing	321219	Reconstituted Wood Product Manufacturing
315993	Men's and Boys' Neckwear Manufacturing	3219	Other Wood Product Manufacturing
315999	Other Apparel Accessories and Other Apparel Manufacturing	32191	Millwork
316	Leather and Allied Product Manufacturing	321911	Wood Window and Door Manufacturing
3161	Leather and Hide Tanning and Finishing	321912	Cut Stock, Resawing Lumber, and Planing
31611	Leather and Hide Tanning and Finishing	321918	Other Millwork (including Flooring)
316110	Leather and Hide Tanning and Finishing	32192	Wood Container and Pallet Manufacturing
3162	Footwear Manufacturing	321920	Wood Container and Pallet Manufacturing
31621	Footwear Manufacturing	32199	All Other Wood Product Manufacturing
316211	Rubber and Plastics Footwear Manufacturing	321991	Manufactured Home (Mobile Home) Manufacturing
316212	House Slipper Manufacturing	321992	Prefabricated Wood Building Manufacturing
316213	Men's Footwear (except Athletic) Manufacturing	321999	All Other Miscellaneous Wood Product Manufacturing
316214	Women's Footwear (except Athletic) Manufacturing	322	Paper Manufacturing
316219	Other Footwear Manufacturing	3221	Pulp, Paper, and Paperboard Mills
3169	Other Leather and Allied Product Manufacturing	32211	Pulp Mills
31699	Other Leather and Allied Product Manufacturing	322110	Pulp Mills
316991	Luggage Manufacturing	32212	Paper Mills
316992	Women's Handbag and Purse Manufacturing	322121	Paper (except Newsprint) Mills
316993	Personal Leather Good (except Women's Handbag and Purse) Manufacturing	322122	Newsprint Mills
316999	All Other Leather Good Manufacturing	32213	Paperboard Mills
321	Wood Product Manufacturing	322130	Paperboard Mills
3211	Sawmills and Wood Preservation	3222	Converted Paper Product Manufacturing
32111	Sawmills and Wood Preservation	32221	Paperboard Container Manufacturing
		322211	Corrugated and Solid Fiber Box Manufacturing
		322212	Folding Paperboard Box Manufacturing
		322213	Setup Paperboard Box Manufacturing

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322214	Fiber Can, Tube, Drum, and Similar Products Manufacturing	324	Petroleum and Coal Products Manufacturing
322215	Nonfolding Sanitary Food Container Manufacturing	3241	Petroleum and Coal Products Manufacturing
32222	Paper Bag and Coated and Treated Paper Manufacturing	32411	Petroleum Refineries
322221	Coated and Laminated Packaging Paper and Plastics Film Manufacturing	324110	Petroleum Refineries
322222	Coated and Laminated Paper Manufacturing	32412	Asphalt Paving, Roofing, and Saturated Materials Manufacturing
322223	Plastics, Foil, and Coated Paper Bag Manufacturing	324121	Asphalt Paving Mixture and Block Manufacturing
322224	Uncoated Paper and Multiwall Bag Manufacturing	324122	Asphalt Shingle and Coating Materials Manufacturing
322225	Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses	32419	Other Petroleum and Coal Products Manufacturing
322226	Surface-Coated Paperboard Manufacturing	324191	Petroleum Lubricating Oil and Grease Manufacturing
32223	Stationery Product Manufacturing	324199	All Other Petroleum and Coal Products Manufacturing
322231	Die-Cut Paper and Paperboard Office Supplies Manufacturing	325	Chemical Manufacturing
322232	Envelope Manufacturing	3251	Basic Chemical Manufacturing
322233	Stationery, Tablet, and Related Product Manufacturing	32511	Petrochemical Manufacturing
32229	Other Converted Paper Product Manufacturing	325110	Petrochemical Manufacturing
322291	Sanitary Paper Product Manufacturing	32512	Industrial Gas Manufacturing
322299	All Other Converted Paper Product Manufacturing	325120	Industrial Gas Manufacturing
323	Printing and Related Support Activities	32513	Synthetic Dye and Pigment Manufacturing
3231	Printing and Related Support Activities	325131	Inorganic Dye and Pigment Manufacturing
32311	Printing	325132	Synthetic Organic Dye and Pigment Manufacturing
323110	Commercial Lithographic Printing	32518	Other Basic Inorganic Chemical Manufacturing
323111	Commercial Gravure Printing	325181	Alkalies and Chlorine Manufacturing
323112	Commercial Flexographic Printing	325182	Carbon Black Manufacturing
323113	Commercial Screen Printing	325188	All Other Basic Inorganic Chemical Manufacturing
323114	Quick Printing	32519	Other Basic Organic Chemical Manufacturing
323115	Digital Printing	325191	Gum and Wood Chemical Manufacturing
323116	Manifold Business Forms Printing	325192	Cyclic Crude and Intermediate Manufacturing
323117	Books Printing	325193	Ethyl Alcohol Manufacturing
323118	Blankbook, Looseleaf Binders, and Devices Manufacturing	325199	All Other Basic Organic Chemical Manufacturing
323119	Other Commercial Printing	3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing
32312	Support Activities for Printing		
323121	Tradebinding and Related Work		
323122	Prepress Services		

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32521	Resin and Synthetic Rubber Manufacturing	3259	Other Chemical Product and Preparation Manufacturing
325211	Plastics Material and Resin Manufacturing	32591	Printing Ink Manufacturing
325212	Synthetic Rubber Manufacturing	325910	Printing Ink Manufacturing
32522	Artificial and Synthetic Fibers and Filaments Manufacturing	32592	Explosives Manufacturing
325221	Cellulosic Organic Fiber Manufacturing	325920	Explosives Manufacturing
325222	Noncellulosic Organic Fiber Manufacturing	32599	All Other Chemical Product and Preparation Manufacturing
3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	325991	Custom Compounding of Purchased Resins
32531	Fertilizer Manufacturing	325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
325311	Nitrogenous Fertilizer Manufacturing	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
325312	Phosphatic Fertilizer Manufacturing	326	Plastics and Rubber Products Manufacturing
325314	Fertilizer (Mixing Only) Manufacturing	3261	Plastics Product Manufacturing
32532	Pesticide and Other Agricultural Chemical Manufacturing	32611	Plastics Packaging Materials and Unlaminated Film and Sheet Manufacturing
325320	Pesticide and Other Agricultural Chemical Manufacturing	326111	Plastics Bag Manufacturing
3254	Pharmaceutical and Medicine Manufacturing	326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
32541	Pharmaceutical and Medicine Manufacturing	326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
325411	Medicinal and Botanical Manufacturing	32612	Plastics Pipe, Pipe Fitting, and Unlaminated Profile Shape Manufacturing
325412	Pharmaceutical Preparation Manufacturing	326121	Unlaminated Plastics Profile Shape Manufacturing
325413	In-Vitro Diagnostic Substance Manufacturing	326122	Plastics Pipe and Pipe Fitting Manufacturing
325414	Biological Product (except Diagnostic) Manufacturing	32613	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
3255	Paint, Coating, and Adhesive Manufacturing	326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
32551	Paint and Coating Manufacturing	32614	Polystyrene Foam Product Manufacturing
325510	Paint and Coating Manufacturing	326140	Polystyrene Foam Product Manufacturing
32552	Adhesive Manufacturing	32615	Urethane and Other Foam Product (except Polystyrene) Manufacturing
325520	Adhesive Manufacturing	326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing	32616	Plastics Bottle Manufacturing
32561	Soap and Cleaning Compound Manufacturing	326160	Plastics Bottle Manufacturing
325611	Soap and Other Detergent Manufacturing	32619	Other Plastics Product Manufacturing
325612	Polish and Other Sanitation Good Manufacturing	326191	Plastics Plumbing Fixture Manufacturing
325613	Surface Active Agent Manufacturing		
32562	Toilet Preparation Manufacturing		
325620	Toilet Preparation Manufacturing		

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326192	Resilient Floor Covering Manufacturing	3273	Cement and Concrete Product Manufacturing
326199	All Other Plastics Product Manufacturing		
3262	Rubber Product Manufacturing	32731	Cement Manufacturing
32621	Tire Manufacturing	327310	Cement Manufacturing
326211	Tire Manufacturing (except Retreading)	32732	Ready-Mix Concrete Manufacturing
326212	Tire Retreading	327320	Ready-Mix Concrete Manufacturing
32622	Rubber and Plastics Hoses and Belting Manufacturing	32733	Concrete Pipe, Brick, and Block Manufacturing
326220	Rubber and Plastics Hoses and Belting Manufacturing	327331	Concrete Block and Brick Manufacturing
32629	Other Rubber Product Manufacturing	327332	Concrete Pipe Manufacturing
326291	Rubber Product Manufacturing for Mechanical Use	32739	Other Concrete Product Manufacturing
326299	All Other Rubber Product Manufacturing	327390	Other Concrete Product Manufacturing
327	Nonmetallic Mineral Product Manufacturing	3274	Lime and Gypsum Product Manufacturing
3271	Clay Product and Refractory Manufacturing	32741	Lime Manufacturing
32711	Pottery, Ceramics, and Plumbing Fixture Manufacturing	327410	Lime Manufacturing
327111	Vitreous China Plumbing Fixture and China and Earthenware Bathroom Accessories Manufacturing	32742	Gypsum Product Manufacturing
327112	Vitreous China, Fine Earthenware, and Other Pottery Product Manufacturing	327420	Gypsum Product Manufacturing
327113	Porcelain Electrical Supply Manufacturing	3279	Other Nonmetallic Mineral Product Manufacturing
32712	Clay Building Material and Refractories Manufacturing	32791	Abrasive Product Manufacturing
327121	Brick and Structural Clay Tile Manufacturing	327910	Abrasive Product Manufacturing
327122	Ceramic Wall and Floor Tile Manufacturing	32799	All Other Nonmetallic Mineral Product Manufacturing
327123	Other Structural Clay Product Manufacturing	327991	Cut Stone and Stone Product Manufacturing
327124	Clay Refractory Manufacturing	327992	Ground or Treated Mineral and Earth Manufacturing
327125	Nonclay Refractory Manufacturing	327993	Mineral Wool Manufacturing
3272	Glass and Glass Product Manufacturing	327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
32721	Glass and Glass Product Manufacturing	331	Primary Metal Manufacturing
327211	Flat Glass Manufacturing	3311	Iron and Steel Mills and Ferroalloy Manufacturing
327212	Other Pressed and Blown Glass and Glassware Manufacturing	33111	Iron and Steel Mills and Ferroalloy Manufacturing
327213	Glass Container Manufacturing	331111	Iron and Steel Mills
327215	Glass Product Manufacturing Made of Purchased Glass	331112	Electrometallurgical Ferroalloy Product Manufacturing
		3312	Steel Product Manufacturing from Purchased Steel
		33121	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
		331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
		33122	Rolling and Drawing of Purchased Steel

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331221	Rolled Steel Shape Manufacturing	331521	Aluminum Die-Casting Foundries
331222	Steel Wire Drawing	331522	Nonferrous (except Aluminum) Die-Casting Foundries
3313	Alumina and Aluminum Production and Processing	331524	Aluminum Foundries (except Die-Casting)
33131	Alumina and Aluminum Production and Processing	331525	Copper Foundries (except Die-Casting)
331311	Alumina Refining	331528	Other Nonferrous Foundries (except Die-Casting)
331312	Primary Aluminum Production	332	Fabricated Metal Product Manufacturing
331314	Secondary Smelting and Alloying of Aluminum	3321	Forging and Stamping
331315	Aluminum Sheet, Plate, and Foil Manufacturing	33211	Forging and Stamping
331316	Aluminum Extruded Product Manufacturing	332111	Iron and Steel Forging
331319	Other Aluminum Rolling and Drawing	332112	Nonferrous Forging
3314	Nonferrous Metal (except Aluminum) Production and Processing	332114	Custom Roll Forming
33141	Nonferrous Metal (except Aluminum) Smelting and Refining	332115	Crown and Closure Manufacturing
331411	Primary Smelting and Refining of Copper	332116	Metal Stamping
331419	Primary Smelting and Refining of Nonferrous Metal (except Copper and Aluminum)	332117	Powder Metallurgy Part Manufacturing
33142	Copper Rolling, Drawing, Extruding, and Alloying	3322	Cutlery and Handtool Manufacturing
331421	Copper Rolling, Drawing, and Extruding	33221	Cutlery and Handtool Manufacturing
331422	Copper Wire (except Mechanical) Drawing	332211	Cutlery and Flatware (except Precious) Manufacturing
331423	Secondary Smelting, Refining, and Alloying of Copper	332212	Hand and Edge Tool Manufacturing
33149	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding, and Alloying	332213	Saw Blade and Handsaw Manufacturing
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding	332214	Kitchen Utensil, Pot, and Pan Manufacturing
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)	3323	Architectural and Structural Metals Manufacturing
3315	Foundries	33231	Plate Work and Fabricated Structural Product Manufacturing
33151	Ferrous Metal Foundries	332311	Prefabricated Metal Building and Component Manufacturing
331511	Iron Foundries	332312	Fabricated Structural Metal Manufacturing
331512	Steel Investment Foundries	332313	Plate Work Manufacturing
331513	Steel Foundries (except Investment)	33232	Ornamental and Architectural Metal Products Manufacturing
33152	Nonferrous Metal Foundries	332321	Metal Window and Door Manufacturing
		332322	Sheet Metal Work Manufacturing
		332323	Ornamental and Architectural Metal Work Manufacturing
		3324	Boiler, Tank, and Shipping Container Manufacturing
		33241	Power Boiler and Heat Exchanger Manufacturing
		332410	Power Boiler and Heat Exchanger Manufacturing
		33242	Metal Tank (Heavy Gauge) Manufacturing

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332420	Metal Tank (Heavy Gauge) Manufacturing	332991	Ball and Roller Bearing Manufacturing
33243	Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing	332992	Small Arms Ammunition Manufacturing
332431	Metal Can Manufacturing	332993	Ammunition (except Small Arms) Manufacturing
332439	Other Metal Container Manufacturing	332994	Small Arms Manufacturing
3325	Hardware Manufacturing	332995	Other Ordnance and Accessories Manufacturing
33251	Hardware Manufacturing	332996	Fabricated Pipe and Pipe Fitting Manufacturing
332510	Hardware Manufacturing	332997	Industrial Pattern Manufacturing
3326	Spring and Wire Product Manufacturing	332998	Enameled Iron and Metal Sanitary Ware Manufacturing
33261	Spring and Wire Product Manufacturing	332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
332611	Spring (Heavy Gauge) Manufacturing	333	Machinery Manufacturing
332612	Spring (Light Gauge) Manufacturing	3331	Agriculture, Construction, and Mining Machinery Manufacturing
332618	Other Fabricated Wire Product Manufacturing	33311	Agricultural Implement Manufacturing
3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	333111	Farm Machinery and Equipment Manufacturing
33271	Machine Shops	333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing
332710	Machine Shops	33312	Construction Machinery Manufacturing
33272	Turned Product and Screw, Nut, and Bolt Manufacturing	333120	Construction Machinery Manufacturing
332721	Precision Turned Product Manufacturing	33313	Mining and Oil and Gas Field Machinery Manufacturing
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing	333131	Mining Machinery and Equipment Manufacturing
3328	Coating, Engraving, Heat Treating, and Allied Activities	333132	Oil and Gas Field Machinery and Equipment Manufacturing
33281	Coating, Engraving, Heat Treating, and Allied Activities	3332	Industrial Machinery Manufacturing
332811	Metal Heat Treating	33321	Sawmill and Woodworking Machinery Manufacturing
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers	333210	Sawmill and Woodworking Machinery Manufacturing
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring	33322	Plastics and Rubber Industry Machinery Manufacturing
3329	Other Fabricated Metal Product Manufacturing	333220	Plastics and Rubber Industry Machinery Manufacturing
33291	Metal Valve Manufacturing	33329	Other Industrial Machinery Manufacturing
332911	Industrial Valve Manufacturing	333291	Paper Industry Machinery Manufacturing
332912	Fluid Power Valve and Hose Fitting Manufacturing	333292	Textile Machinery Manufacturing
332913	Plumbing Fixture Fitting and Trim Manufacturing	333293	Printing Machinery and Equipment Manufacturing
332919	Other Metal Valve and Pipe Fitting Manufacturing	333294	Food Product Machinery Manufacturing
33299	All Other Fabricated Metal Product Manufacturing		

List of SIC Codes (Continued)

333295	Semiconductor Machinery Manufacturing	333518	Other Metalworking Machinery Manufacturing
333298	All Other Industrial Machinery Manufacturing	3336	Engine, Turbine, and Power Transmission Equipment Manufacturing
3333	Commercial and Service Industry Machinery Manufacturing	33361	Engine, Turbine, and Power Transmission Equipment Manufacturing
33331	Commercial and Service Industry Machinery Manufacturing	333611	Turbine and Turbine Generator Set Units Manufacturing
333311	Automatic Vending Machine Manufacturing	333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
333312	Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing	333613	Mechanical Power Transmission Equipment Manufacturing
333313	Office Machinery Manufacturing	333618	Other Engine Equipment Manufacturing
333314	Optical Instrument and Lens Manufacturing	3339	Other General Purpose Machinery Manufacturing
333315	Photographic and Photocopying Equipment Manufacturing	33391	Pump and Compressor Manufacturing
333319	Other Commercial and Service Industry Machinery Manufacturing	333911	Pump and Pumping Equipment Manufacturing
3334	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	333912	Air and Gas Compressor Manufacturing
33341	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	333913	Measuring and Dispensing Pump Manufacturing
333411	Air Purification Equipment Manufacturing	33392	Material Handling Equipment Manufacturing
333412	Industrial and Commercial Fan and Blower Manufacturing	333921	Elevator and Moving Stairway Manufacturing
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing	333922	Conveyor and Conveying Equipment Manufacturing
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing	333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
3335	Metalworking Machinery Manufacturing	333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
33351	Metalworking Machinery Manufacturing	33399	All Other General Purpose Machinery Manufacturing
333511	Industrial Mold Manufacturing	333991	Power-Driven Handtool Manufacturing
333512	Machine Tool (Metal Cutting Types) Manufacturing	333992	Welding and Soldering Equipment Manufacturing
333513	Machine Tool (Metal Forming Types) Manufacturing	333993	Packaging Machinery Manufacturing
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing	333994	Industrial Process Furnace and Oven Manufacturing
333515	Cutting Tool and Machine Tool Accessory Manufacturing	333995	Fluid Power Cylinder and Actuator Manufacturing
333516	Rolling Mill Machinery and Equipment Manufacturing	333996	Fluid Power Pump and Motor Manufacturing
		333997	Scale and Balance (except Laboratory) Manufacturing

List of SIC Codes (Continued)

333999	All Other Miscellaneous General Purpose Machinery Manufacturing	334417	Electronic Connector Manufacturing
334	Computer and Electronic Product Manufacturing	334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
3341	Computer and Peripheral Equipment Manufacturing	334419	Other Electronic Component Manufacturing
33411	Computer and Peripheral Equipment Manufacturing	3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
334111	Electronic Computer Manufacturing	33451	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
334112	Computer Storage Device Manufacturing	334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
334113	Computer Terminal Manufacturing	334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
334119	Other Computer Peripheral Equipment Manufacturing	334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
3342	Communications Equipment Manufacturing	334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
33421	Telephone Apparatus Manufacturing	334514	Totalizing Fluid Meter and Counting Device Manufacturing
334210	Telephone Apparatus Manufacturing	334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
33422	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	334516	Analytical Laboratory Instrument Manufacturing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing	334517	Irradiation Apparatus Manufacturing
33429	Other Communications Equipment Manufacturing	334518	Watch, Clock, and Part Manufacturing
334290	Other Communications Equipment Manufacturing	334519	Other Measuring and Controlling Device Manufacturing
3343	Audio and Video Equipment Manufacturing	3346	Manufacturing and Reproducing Magnetic and Optical Media
33431	Audio and Video Equipment Manufacturing	33461	Manufacturing and Reproducing Magnetic and Optical Media
334310	Audio and Video Equipment Manufacturing	334611	Software Reproducing
3344	Semiconductor and Other Electronic Component Manufacturing	334612	Prerecorded Compact Disc (except Software), Tape, and Record Reproducing
33441	Semiconductor and Other Electronic Component Manufacturing	334613	Magnetic and Optical Recording Media Manufacturing
334411	Electron Tube Manufacturing	335	Electrical Equipment, Appliance, and Component Manufacturing
334412	Bare Printed Circuit Board Manufacturing	3351	Electric Lighting Equipment Manufacturing
334413	Semiconductor and Related Device Manufacturing		
334414	Electronic Capacitor Manufacturing		
334415	Electronic Resistor Manufacturing		
334416	Electronic Coil, Transformer, and Other Inductor Manufacturing		

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33511	Electric Lamp Bulb and Part Manufacturing	335931	Current-Carrying Wiring Device Manufacturing
335110	Electric Lamp Bulb and Part Manufacturing	335932	Noncurrent-Carrying Wiring Device Manufacturing
33512	Lighting Fixture Manufacturing	33599	All Other Electrical Equipment and Component Manufacturing
335121	Residential Electric Lighting Fixture Manufacturing	335991	Carbon and Graphite Product Manufacturing
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing	335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
335129	Other Lighting Equipment Manufacturing	336	Transportation Equipment Manufacturing
3352	Household Appliance Manufacturing	3361	Motor Vehicle Manufacturing
33521	Small Electrical Appliance Manufacturing	33611	Automobile and Light Duty Motor Vehicle Manufacturing
335211	Electric Housewares and Household Fan Manufacturing	336111	Automobile Manufacturing
335212	Household Vacuum Cleaner Manufacturing	336112	Light Truck and Utility Vehicle Manufacturing
33522	Major Appliance Manufacturing	33612	Heavy Duty Truck Manufacturing
335221	Household Cooking Appliance Manufacturing	336120	Heavy Duty Truck Manufacturing
335222	Household Refrigerator and Home Freezer Manufacturing	3362	Motor Vehicle Body and Trailer Manufacturing
335224	Household Laundry Equipment Manufacturing	33621	Motor Vehicle Body and Trailer Manufacturing
335228	Other Major Household Appliance Manufacturing	336211	Motor Vehicle Body Manufacturing
3353	Electrical Equipment Manufacturing	336212	Truck Trailer Manufacturing
33531	Electrical Equipment Manufacturing	336213	Motor Home Manufacturing
335311	Power, Distribution, and Specialty Transformer Manufacturing	336214	Travel Trailer and Camper Manufacturing
335312	Motor and Generator Manufacturing	3363	Motor Vehicle Parts Manufacturing
335313	Switchgear and Switchboard Apparatus Manufacturing	33631	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
335314	Relay and Industrial Control Manufacturing	336311	Carburetor, Piston, Piston Ring, and Valve Manufacturing
3359	Other Electrical Equipment and Component Manufacturing	336312	Gasoline Engine and Engine Parts Manufacturing
33591	Battery Manufacturing	33632	Motor Vehicle Electrical and Electronic Equipment Manufacturing
335911	Storage Battery Manufacturing	336321	Vehicular Lighting Equipment Manufacturing
335912	Primary Battery Manufacturing	336322	Other Motor Vehicle Electrical and Electronic Equipment Manufacturing
33592	Communication and Energy Wire and Cable Manufacturing	33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
335921	Fiber Optic Cable Manufacturing		
335929	Other Communication and Energy Wire Manufacturing		
33593	Wiring Device Manufacturing		

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336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	336612	Boat Building
33634	Motor Vehicle Brake System Manufacturing	3369	Other Transportation Equipment Manufacturing
336340	Motor Vehicle Brake System Manufacturing	33699	Other Transportation Equipment Manufacturing
33635	Motor Vehicle Transmission and Power Train Parts Manufacturing	336991	Motorcycle, Bicycle, and Parts Manufacturing
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing	336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing
33636	Motor Vehicle Seating and Interior Trim Manufacturing	336999	All Other Transportation Equipment Manufacturing
336360	Motor Vehicle Seating and Interior Trim Manufacturing	337	Furniture and Related Product Manufacturing
33637	Motor Vehicle Metal Stamping	3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing
336370	Motor Vehicle Metal Stamping	33711	Wood Kitchen Cabinet and Countertop Manufacturing
33639	Other Motor Vehicle Parts Manufacturing	337110	Wood Kitchen Cabinet and Countertop Manufacturing
336391	Motor Vehicle Air-Conditioning Manufacturing	33712	Household and Institutional Furniture Manufacturing
336399	All Other Motor Vehicle Parts Manufacturing	337121	Upholstered Household Furniture Manufacturing
3364	Aerospace Product and Parts Manufacturing	337122	Nonupholstered Wood Household Furniture Manufacturing
33641	Aerospace Product and Parts Manufacturing	337124	Metal Household Furniture Manufacturing
336411	Aircraft Manufacturing	337125	Household Furniture (except Wood and Metal) Manufacturing
336412	Aircraft Engine and Engine Parts Manufacturing	337127	Institutional Furniture Manufacturing
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	337129	Wood Television, Radio, and Sewing Machine Cabinet Manufacturing
336414	Guided Missile and Space Vehicle Manufacturing	3372	Office Furniture (including Fixtures) Manufacturing
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing	33721	Office Furniture (including Fixtures) Manufacturing
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing	337211	Wood Office Furniture Manufacturing
3365	Railroad Rolling Stock Manufacturing	337212	Custom Architectural Woodwork and Millwork Manufacturing
33651	Railroad Rolling Stock Manufacturing	337214	Office Furniture (except Wood) Manufacturing
336510	Railroad Rolling Stock Manufacturing	337215	Showcase, Partition, Shelving, and Locker Manufacturing
3366	Ship and Boat Building	3379	Other Furniture Related Product Manufacturing
33661	Ship and Boat Building	33791	Mattress Manufacturing
336611	Ship Building and Repairing		

List of SIC Codes (Continued)

337910	Mattress Manufacturing	33999	All Other Miscellaneous Manufacturing
33792	Blind and Shade Manufacturing	339991	Gasket, Packing, and Sealing Device Manufacturing
337920	Blind and Shade Manufacturing	339992	Musical Instrument Manufacturing
339	Miscellaneous Manufacturing	339993	Fastener, Button, Needle, and Pin Manufacturing
3391	Medical Equipment and Supplies Manufacturing	339994	Broom, Brush, and Mop Manufacturing
33911	Medical Equipment and Supplies Manufacturing	339995	Burial Casket Manufacturing
339111	Laboratory Apparatus and Furniture Manufacturing	339999	All Other Miscellaneous Manufacturing
339112	Surgical and Medical Instrument Manufacturing	42	Wholesale Trade
339113	Surgical Appliance and Supplies Manufacturing	423	Merchant Wholesalers, Durable Goods
339114	Dental Equipment and Supplies Manufacturing	4231	Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers
339115	Ophthalmic Goods Manufacturing	42311	Automobile and Other Motor Vehicle Merchant Wholesalers
339116	Dental Laboratories	423110	Automobile and Other Motor Vehicle Merchant Wholesalers
3399	Other Miscellaneous Manufacturing	42312	Motor Vehicle Supplies and New Parts Merchant Wholesalers
33991	Jewelry and Silverware Manufacturing	423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers
339911	Jewelry (except Costume) Manufacturing	42313	Tire and Tube Merchant Wholesalers
339912	Silverware and Hollowware Manufacturing	423130	Tire and Tube Merchant Wholesalers
339913	Jewelers' Material and Lapidary Work Manufacturing	42314	Motor Vehicle Parts (Used) Merchant Wholesalers
339914	Costume Jewelry and Novelty Manufacturing	423140	Motor Vehicle Parts (Used) Merchant Wholesalers
33992	Sporting and Athletic Goods Manufacturing	4232	Furniture and Home Furnishing Merchant Wholesalers
339920	Sporting and Athletic Goods Manufacturing	42321	Furniture Merchant Wholesalers
33993	Doll, Toy, and Game Manufacturing	423210	Furniture Merchant Wholesalers
339931	Doll and Stuffed Toy Manufacturing	42322	Home Furnishing Merchant Wholesalers
339932	Game, Toy, and Children's Vehicle Manufacturing	423220	Home Furnishing Merchant Wholesalers
33994	Office Supplies (except Paper) Manufacturing	4233	Lumber and Other Construction Materials Merchant Wholesalers
339941	Pen and Mechanical Pencil Manufacturing	42331	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers
339942	Lead Pencil and Art Good Manufacturing	423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers
339943	Marking Device Manufacturing	42332	Brick, Stone, and Related Construction Material Merchant Wholesalers
339944	Carbon Paper and Inked Ribbon Manufacturing	423320	Brick, Stone, and Related Construction Material Merchant Wholesalers
33995	Sign Manufacturing		
339950	Sign Manufacturing		

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42333	Roofing, Siding, and Insulation Material Merchant Wholesalers	423520	Coal and Other Mineral and Ore Merchant Wholesalers
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers	4236	Electrical and Electronic Goods Merchant Wholesalers
42339	Other Construction Material Merchant Wholesalers	42361	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
423390	Other Construction Material Merchant Wholesalers	423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
4234	Professional and Commercial Equipment and Supplies Merchant Wholesalers	42362	Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers
42341	Photographic Equipment and Supplies Merchant Wholesalers	423620	Electrical and Electronic Appliance, Television, and Radio Set Merchant Wholesalers
423410	Photographic Equipment and Supplies Merchant Wholesalers	42369	Other Electronic Parts and Equipment Merchant Wholesalers
42342	Office Equipment Merchant Wholesalers	423690	Other Electronic Parts and Equipment Merchant Wholesalers
423420	Office Equipment Merchant Wholesalers	4237	Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers
42343	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	42371	Hardware Merchant Wholesalers
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers	423710	Hardware Merchant Wholesalers
42344	Other Commercial Equipment Merchant Wholesalers	42372	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers
423440	Other Commercial Equipment Merchant Wholesalers	423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers
42345	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	42373	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers	423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers
42346	Ophthalmic Goods Merchant Wholesalers	42374	Refrigeration Equipment and Supplies Merchant Wholesalers
423460	Ophthalmic Goods Merchant Wholesalers	423740	Refrigeration Equipment and Supplies Merchant Wholesalers
42349	Other Professional Equipment and Supplies Merchant Wholesalers	4238	Machinery, Equipment, and Supplies Merchant Wholesalers
423490	Other Professional Equipment and Supplies Merchant Wholesalers		
4235	Metal and Mineral (except Petroleum) Merchant Wholesalers		
42351	Metal Service Centers and Other Metal Merchant Wholesalers		
423510	Metal Service Centers and Other Metal Merchant Wholesalers		
42352	Coal and Other Mineral and Ore Merchant Wholesalers		

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42381	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	42399	Other Miscellaneous Durable Goods Merchant Wholesalers
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers	423990	Other Miscellaneous Durable Goods Merchant Wholesalers
42382	Farm and Garden Machinery and Equipment Merchant Wholesalers	424	Merchant Wholesalers, Nondurable Goods
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers	4241	Paper and Paper Product Merchant Wholesalers
42383	Industrial Machinery and Equipment Merchant Wholesalers	42411	Printing and Writing Paper Merchant Wholesalers
423830	Industrial Machinery and Equipment Merchant Wholesalers	424110	Printing and Writing Paper Merchant Wholesalers
42384	Industrial Supplies Merchant Wholesalers	42412	Stationery and Office Supplies Merchant Wholesalers
423840	Industrial Supplies Merchant Wholesalers	424120	Stationery and Office Supplies Merchant Wholesalers
42385	Service Establishment Equipment and Supplies Merchant Wholesalers	42413	Industrial and Personal Service Paper Merchant Wholesalers
423850	Service Establishment Equipment and Supplies Merchant Wholesalers	424130	Industrial and Personal Service Paper Merchant Wholesalers
42386	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	4242	Drugs and Druggists' Sundries Merchant Wholesalers
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers	42421	Drugs and Druggists' Sundries Merchant Wholesalers
4239	Miscellaneous Durable Goods Merchant Wholesalers	424210	Drugs and Druggists' Sundries Merchant Wholesalers
42391	Sporting and Recreational Goods and Supplies Merchant Wholesalers	4243	Apparel, Piece Goods, and Notions Merchant Wholesalers
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	42431	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
42392	Toy and Hobby Goods and Supplies Merchant Wholesalers	424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers	42432	Men's and Boys' Clothing and Furnishings Merchant Wholesalers
42393	Recyclable Material Merchant Wholesalers	424320	Men's and Boys' Clothing and Furnishings Merchant Wholesalers
423930	Recyclable Material Merchant Wholesalers	42433	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
42394	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers	424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers	42434	Footwear Merchant Wholesalers
		424340	Footwear Merchant Wholesalers
		4244	Grocery and Related Product Wholesalers
		42441	General Line Grocery Merchant Wholesalers

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424410	General Line Grocery Merchant Wholesalers	42461	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
42442	Packaged Frozen Food Merchant Wholesalers	424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
424420	Packaged Frozen Food Merchant Wholesalers	42469	Other Chemical and Allied Products Merchant Wholesalers
42443	Dairy Product (except Dried or Canned) Merchant Wholesalers	424690	Other Chemical and Allied Products Merchant Wholesalers
424430	Dairy Product (except Dried or Canned) Merchant Wholesalers	4247	Petroleum and Petroleum Products Merchant Wholesalers
42444	Poultry and Poultry Product Merchant Wholesalers	42471	Petroleum Bulk Stations and Terminals
424440	Poultry and Poultry Product Merchant Wholesalers	424710	Petroleum Bulk Stations and Terminals
42445	Confectionery Merchant Wholesalers	42472	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
424450	Confectionery Merchant Wholesalers	424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
42446	Fish and Seafood Merchant Wholesalers	4248	Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers
424460	Fish and Seafood Merchant Wholesalers	42481	Beer and Ale Merchant Wholesalers
42447	Meat and Meat Product Merchant Wholesalers	424810	Beer and Ale Merchant Wholesalers
424470	Meat and Meat Product Merchant Wholesalers	42482	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
42448	Fresh Fruit and Vegetable Merchant Wholesalers	424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
424480	Fresh Fruit and Vegetable Merchant Wholesalers	4249	Miscellaneous Nondurable Goods Merchant Wholesalers
42449	Other Grocery and Related Products Merchant Wholesalers	42491	Farm Supplies Merchant Wholesalers
424490	Other Grocery and Related Products Merchant Wholesalers	424910	Farm Supplies Merchant Wholesalers
4245	Farm Product Raw Material Merchant Wholesalers	42492	Book, Periodical, and Newspaper Merchant Wholesalers
42451	Grain and Field Bean Merchant Wholesalers	424920	Book, Periodical, and Newspaper Merchant Wholesalers
424510	Grain and Field Bean Merchant Wholesalers	42493	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
42452	Livestock Merchant Wholesalers	424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
424520	Livestock Merchant Wholesalers	42494	Tobacco and Tobacco Product Merchant Wholesalers
42459	Other Farm Product Raw Material Merchant Wholesalers	424940	Tobacco and Tobacco Product Merchant Wholesalers
424590	Other Farm Product Raw Material Merchant Wholesalers	42495	Paint, Varnish, and Supplies Merchant Wholesalers
4246	Chemical and Allied Products Merchant Wholesalers		

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424950	Paint, Varnish, and Supplies Merchant Wholesalers	443	Electronics and Appliance Stores
42499	Other Miscellaneous Nondurable Goods Merchant Wholesalers	4431	Electronics and Appliance Stores
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers	44311	Appliance, Television, and Other Electronics Stores
425	Wholesale Electronic Markets and Agents and Brokers	443111	Household Appliance Stores
4251	Wholesale Electronic Markets and Agents and Brokers	443112	Radio, Television, and Other Electronics Stores
42511	Business to Business Electronic Markets	44312	Computer and Software Stores
425110	Business to Business Electronic Markets	443120	Computer and Software Stores
42512	Wholesale Trade Agents and Brokers	44313	Camera and Photographic Supplies Stores
425120	Wholesale Trade Agents and Brokers	443130	Camera and Photographic Supplies Stores
44-45	Retail Trade	444	Building Material and Garden Equipment and Supplies Dealers
441	Motor Vehicle and Parts Dealers	4441	Building Material and Supplies Dealers
4411	Automobile Dealers	44411	Home Centers
44111	New Car Dealers	444110	Home Centers
441110	New Car Dealers	44412	Paint and Wallpaper Stores
44112	Used Car Dealers	444120	Paint and Wallpaper Stores
441120	Used Car Dealers	44413	Hardware Stores
4412	Other Motor Vehicle Dealers	444130	Hardware Stores
44121	Recreational Vehicle Dealers	44419	Other Building Material Dealers
441210	Recreational Vehicle Dealers	444190	Other Building Material Dealers
44122	Motorcycle, Boat, and Other Motor Vehicle Dealers	4442	Lawn and Garden Equipment and Supplies Stores
441221	Motorcycle Dealers	44421	Outdoor Power Equipment Stores
441222	Boat Dealers	444210	Outdoor Power Equipment Stores
441229	All Other Motor Vehicle Dealers	44422	Nursery, Garden Center, and Farm Supply Stores
4413	Automotive Parts, Accessories, and Tire Stores	444220	Nursery, Garden Center, and Farm Supply Stores
44131	Automotive Parts and Accessories Stores	445	Food and Beverage Stores
441310	Automotive Parts and Accessories Stores	4451	Grocery Stores
44132	Tire Dealers	44511	Supermarkets and Other Grocery (except Convenience) Stores
441320	Tire Dealers	445110	Supermarkets and Other Grocery (except Convenience) Stores
442	Furniture and Home Furnishings Stores	44512	Convenience Stores
4421	Furniture Stores	445120	Convenience Stores
44211	Furniture Stores	4452	Specialty Food Stores
442110	Furniture Stores	44521	Meat Markets
4422	Home Furnishings Stores	445210	Meat Markets
44221	Floor Covering Stores	44522	Fish and Seafood Markets
442210	Floor Covering Stores	445220	Fish and Seafood Markets
44229	Other Home Furnishings Stores	44523	Fruit and Vegetable Markets
442291	Window Treatment Stores	445230	Fruit and Vegetable Markets
442299	All Other Home Furnishings Stores		

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44529	Other Specialty Food Stores	44831	Jewelry Stores
445291	Baked Goods Stores	448310	Jewelry Stores
445292	Confectionery and Nut Stores	44832	Luggage and Leather Goods Stores
445299	All Other Specialty Food Stores	448320	Luggage and Leather Goods Stores
4453	Beer, Wine, and Liquor Stores	451	Sporting Goods, Hobby, Book, and Music Stores
44531	Beer, Wine, and Liquor Stores	4511	Sporting Goods, Hobby, and Musical Instrument Stores
445310	Beer, Wine, and Liquor Stores	45111	Sporting Goods Stores
446	Health and Personal Care Stores	451110	Sporting Goods Stores
4461	Health and Personal Care Stores	45112	Hobby, Toy, and Game Stores
44611	Pharmacies and Drug Stores	451120	Hobby, Toy, and Game Stores
446110	Pharmacies and Drug Stores	45113	Sewing, Needlework, and Piece Goods Stores
44612	Cosmetics, Beauty Supplies, and Perfume Stores	451130	Sewing, Needlework, and Piece Goods Stores
446120	Cosmetics, Beauty Supplies, and Perfume Stores	45114	Musical Instrument and Supplies Stores
44613	Optical Goods Stores	451140	Musical Instrument and Supplies Stores
446130	Optical Goods Stores	4512	Book, Periodical, and Music Stores
44619	Other Health and Personal Care Stores	45121	Book Stores and News Dealers
446191	Food (Health) Supplement Stores	451211	Book Stores
446199	All Other Health and Personal Care Stores	451212	News Dealers and Newsstands
447	Gasoline Stations	45122	Prerecorded Tape, Compact Disc, and Record Stores
4471	Gasoline Stations	451220	Prerecorded Tape, Compact Disc, and Record Stores
44711	Gasoline Stations with Convenience Stores	452	General Merchandise Stores
447110	Gasoline Stations with Convenience Stores	4521	Department Stores
44719	Other Gasoline Stations	45211	Department Stores
447190	Other Gasoline Stations	452111	Department Stores (except Discount Department Stores)
448	Clothing and Clothing Accessories Stores	452112	Discount Department Stores
4481	Clothing Stores	4529	Other General Merchandise Stores
44811	Men's Clothing Stores	45291	Warehouse Clubs and Supercenters
448110	Men's Clothing Stores	452910	Warehouse Clubs and Supercenters
44812	Women's Clothing Stores	45299	All Other General Merchandise Stores
448120	Women's Clothing Stores	452990	All Other General Merchandise Stores
44813	Children's and Infants' Clothing Stores	453	Miscellaneous Store Retailers
448130	Children's and Infants' Clothing Stores	4531	Florists
44814	Family Clothing Stores	45311	Florists
448140	Family Clothing Stores	453110	Florists
44815	Clothing Accessories Stores	4532	Office Supplies, Stationery, and Gift Stores
448150	Clothing Accessories Stores	45321	Office Supplies and Stationery Stores
44819	Other Clothing Stores	453210	Office Supplies and Stationery Stores
448190	Other Clothing Stores		
4482	Shoe Stores		
44821	Shoe Stores		
448210	Shoe Stores		
4483	Jewelry, Luggage, and Leather Goods Stores		

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45322	Gift, Novelty, and Souvenir Stores	481212	Nonscheduled Chartered Freight Air Transportation
453220	Gift, Novelty, and Souvenir Stores	481219	Other Nonscheduled Air Transportation
4533	Used Merchandise Stores	482	Rail Transportation
45331	Used Merchandise Stores	4821	Rail Transportation
453310	Used Merchandise Stores	48211	Rail Transportation
4539	Other Miscellaneous Store Retailers	482111	Line-Haul Railroads
45391	Pet and Pet Supplies Stores	482112	Short Line Railroads
453910	Pet and Pet Supplies Stores	483	Water Transportation
45392	Art Dealers	4831	Deep Sea, Coastal, and Great Lakes Water Transportation
453920	Art Dealers	48311	Deep Sea, Coastal, and Great Lakes Water Transportation
45393	Manufactured (Mobile) Home Dealers	483111	Deep Sea Freight Transportation
453930	Manufactured (Mobile) Home Dealers	483112	Deep Sea Passenger Transportation
45399	All Other Miscellaneous Store Retailers	483113	Coastal and Great Lakes Freight Transportation
453991	Tobacco Stores	483114	Coastal and Great Lakes Passenger Transportation
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)	4832	Inland Water Transportation
454	Nonstore Retailers	48321	Inland Water Transportation
4541	Electronic Shopping and Mail-Order Houses	483211	Inland Water Freight Transportation
45411	Electronic Shopping and Mail-Order Houses	483212	Inland Water Passenger Transportation
454111	Electronic Shopping	484	Truck Transportation
454112	Electronic Auctions	4841	General Freight Trucking
454113	Mail-Order Houses	48411	General Freight Trucking, Local
4542	Vending Machine Operators	484110	General Freight Trucking, Local
45421	Vending Machine Operators	48412	General Freight Trucking, Long-Distance
454210	Vending Machine Operators	484121	General Freight Trucking, Long-Distance, Truckload
4543	Direct Selling Establishments	484122	General Freight Trucking, Long-Distance, Less Than Truckload
45431	Fuel Dealers	4842	Specialized Freight Trucking
454311	Heating Oil Dealers	48421	Used Household and Office Goods Moving
454312	Liquefied Petroleum Gas (Bottled Gas) Dealers	484210	Used Household and Office Goods Moving
454319	Other Fuel Dealers	48422	Specialized Freight (except Used Goods) Trucking, Local
45439	Other Direct Selling Establishments	484220	Specialized Freight (except Used Goods) Trucking, Local
454390	Other Direct Selling Establishments	48423	Specialized Freight (except Used Goods) Trucking, Long-Distance
48-49	Transportation and Warehousing	484230	Specialized Freight (except Used Goods) Trucking, Long-Distance
481	Air Transportation		
4811	Scheduled Air Transportation		
48111	Scheduled Air Transportation		
481111	Scheduled Passenger Air Transportation		
481112	Scheduled Freight Air Transportation		
4812	Nonscheduled Air Transportation		
48121	Nonscheduled Air Transportation		
481211	Nonscheduled Chartered Passenger Air Transportation		

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485	Transit and Ground Passenger Transportation	4871	Scenic and Sightseeing Transportation, Land
4851	Urban Transit Systems	48711	Scenic and Sightseeing Transportation, Land
48511	Urban Transit Systems	487110	Scenic and Sightseeing Transportation, Land
485111	Mixed Mode Transit Systems	4872	Scenic and Sightseeing Transportation, Water
485112	Commuter Rail Systems	48721	Scenic and Sightseeing Transportation, Water
485113	Bus and Other Motor Vehicle Transit Systems	487210	Scenic and Sightseeing Transportation, Water
485119	Other Urban Transit Systems	4879	Scenic and Sightseeing Transportation, Other
4852	Interurban and Rural Bus Transportation	48799	Scenic and Sightseeing Transportation, Other
48521	Interurban and Rural Bus Transportation	487990	Scenic and Sightseeing Transportation, Other
485210	Interurban and Rural Bus Transportation	488	Support Activities for Transportation
4853	Taxi and Limousine Service	4881	Support Activities for Air Transportation
48531	Taxi Service	48811	Airport Operations
485310	Taxi Service	488111	Air Traffic Control
48532	Limousine Service	488119	Other Airport Operations
485320	Limousine Service	48819	Other Support Activities for Air Transportation
4854	School and Employee Bus Transportation	488190	Other Support Activities for Air Transportation
48541	School and Employee Bus Transportation	4882	Support Activities for Rail Transportation
485410	School and Employee Bus Transportation	48821	Support Activities for Rail Transportation
4855	Charter Bus Industry	488210	Support Activities for Rail Transportation
48551	Charter Bus Industry	4883	Support Activities for Water Transportation
485510	Charter Bus Industry	48831	Port and Harbor Operations
4859	Other Transit and Ground Passenger Transportation	488310	Port and Harbor Operations
48599	Other Transit and Ground Passenger Transportation	48832	Marine Cargo Handling
485991	Special Needs Transportation	488320	Marine Cargo Handling
485999	All Other Transit and Ground Passenger Transportation	48833	Navigational Services to Shipping
486	Pipeline Transportation	488330	Navigational Services to Shipping
4861	Pipeline Transportation of Crude Oil	48839	Other Support Activities for Water Transportation
48611	Pipeline Transportation of Crude Oil	488390	Other Support Activities for Water Transportation
486110	Pipeline Transportation of Crude Oil	4884	Support Activities for Road Transportation
4862	Pipeline Transportation of Natural Gas	48841	Motor Vehicle Towing
48621	Pipeline Transportation of Natural Gas	488410	Motor Vehicle Towing
486210	Pipeline Transportation of Natural Gas		
4869	Other Pipeline Transportation		
48691	Pipeline Transportation of Refined Petroleum Products		
486910	Pipeline Transportation of Refined Petroleum Products		
48699	All Other Pipeline Transportation		
486990	All Other Pipeline Transportation		
487	Scenic and Sightseeing Transportation		

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48849	Other Support Activities for Road Transportation	51114	Directory and Mailing List Publishers
488490	Other Support Activities for Road Transportation	511140	Directory and Mailing List Publishers
4885	Freight Transportation Arrangement	51119	Other Publishers
48851	Freight Transportation Arrangement	511191	Greeting Card Publishers
488510	Freight Transportation Arrangement	511199	All Other Publishers
4889	Other Support Activities for Transportation	5112	Software Publishers
48899	Other Support Activities for Transportation	51121	Software Publishers
488991	Packing and Crating	511210	Software Publishers
488999	All Other Support Activities for Transportation	512	Motion Picture and Sound Recording Industries
491	Postal Service	5121	Motion Picture and Video Industries
4911	Postal Service	51211	Motion Picture and Video Production
49111	Postal Service	512110	Motion Picture and Video Production
491110	Postal Service	51212	Motion Picture and Video Distribution
492	Couriers and Messengers	512120	Motion Picture and Video Distribution
4921	Couriers	51213	Motion Picture and Video Exhibition
49211	Couriers	512131	Motion Picture Theaters (except Drive-Ins)
492110	Couriers	512132	Drive-In Motion Picture Theaters
4922	Local Messengers and Local Delivery	51219	Postproduction Services and Other Motion Picture and Video Industries
49221	Local Messengers and Local Delivery	512191	Teleproduction and Other Postproduction Services
492210	Local Messengers and Local Delivery	512199	Other Motion Picture and Video Industries
493	Warehousing and Storage	5122	Sound Recording Industries
4931	Warehousing and Storage	51221	Record Production
49311	General Warehousing and Storage	512210	Record Production
493110	General Warehousing and Storage	51222	Integrated Record Production/Distribution
49312	Refrigerated Warehousing and Storage	512220	Integrated Record Production/Distribution
493120	Refrigerated Warehousing and Storage	51223	Music Publishers
49313	Farm Product Warehousing and Storage	512230	Music Publishers
493130	Farm Product Warehousing and Storage	51224	Sound Recording Studios
49319	Other Warehousing and Storage	512240	Sound Recording Studios
493190	Other Warehousing and Storage	51229	Other Sound Recording Industries
51	Information	512290	Other Sound Recording Industries
511	Publishing Industries (except Internet)	515	Broadcasting (except Internet)
5111	Newspaper, Periodical, Book, and Directory Publishers	5151	Radio and Television Broadcasting
51111	Newspaper Publishers	51511	Radio Broadcasting
511110	Newspaper Publishers	515111	Radio Networks
51112	Periodical Publishers	515112	Radio Stations
511120	Periodical Publishers	51512	Television Broadcasting
51113	Book Publishers	515120	Television Broadcasting
511130	Book Publishers	5152	Cable and Other Subscription Programming

List of SIC Codes (Continued)

51521	Cable and Other Subscription Programming	519	Other Information Services
515210	Cable and Other Subscription Programming	5191	Other Information Services
516	Internet Publishing and Broadcasting	51911	News Syndicates
5161	Internet Publishing and Broadcasting	519110	News Syndicates
51611	Internet Publishing and Broadcasting	51912	Libraries and Archives
516110	Internet Publishing and Broadcasting	519120	Libraries and Archives
517	Telecommunications	51919	All Other Information Services
5171	Wired Telecommunications Carriers	519190	All Other Information Services
51711	Wired Telecommunications Carriers	52	Finance and Insurance
517110	Wired Telecommunications Carriers	521	Monetary Authorities - Central Bank
5172	Wireless Telecommunications Carriers (except Satellite)	5211	Monetary Authorities - Central Bank
51721	Wireless Telecommunications Carriers (except Satellite)	52111	Monetary Authorities - Central Bank
517211	Paging	521110	Monetary Authorities - Central Bank
517212	Cellular and Other Wireless Telecommunications	522	Credit Intermediation and Related Activities
5173	Telecommunications Resellers	5221	Depository Credit Intermediation
51731	Telecommunications Resellers	52211	Commercial Banking
517310	Telecommunications Resellers	522110	Commercial Banking
5174	Satellite Telecommunications	52212	Savings Institutions
51741	Satellite Telecommunications	522120	Savings Institutions
517410	Satellite Telecommunications	52213	Credit Unions
5175	Cable and Other Program Distribution	522130	Credit Unions
51751	Cable and Other Program Distribution	52219	Other Depository Credit Intermediation
517510	Cable and Other Program Distribution	522190	Other Depository Credit Intermediation
5179	Other Telecommunications	5222	Nondepository Credit Intermediation
51791	Other Telecommunications	52221	Credit Card Issuing
517910	Other Telecommunications	522210	Credit Card Issuing
518	Internet Service Providers, Web Search Portals, and Data Processing Services	52222	Sales Financing
5181	Internet Service Providers and Web Search Portals	522220	Sales Financing
51811	Internet Service Providers and Web Search Portals	522220	Sales Financing
518111	Internet Service Providers	522229	Other Nondepository Credit Intermediation
518112	Web Search Portals	522291	Consumer Lending
5182	Data Processing, Hosting, and Related Services	522292	Real Estate Credit
51821	Data Processing, Hosting, and Related Services	522293	International Trade Financing
518210	Data Processing, Hosting, and Related Services	522294	Secondary Market Financing
		522298	All Other Nondepository Credit Intermediation
		5223	Activities Related to Credit Intermediation
		52231	Mortgage and Nonmortgage Loan Brokers
		522310	Mortgage and Nonmortgage Loan Brokers
		52232	Financial Transactions Processing, Reserve, and Clearinghouse Activities
		522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities

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52239	Other Activities Related to Credit Intermediation	524128	Other Direct Insurance (except Life, Health, and Medical) Carriers
522390	Other Activities Related to Credit Intermediation	52413	Reinsurance Carriers
523	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	524130	Reinsurance Carriers
5231	Securities and Commodity Contracts Intermediation and Brokerage	5242	Agencies, Brokerages, and Other Insurance Related Activities
52311	Investment Banking and Securities Dealing	52421	Insurance Agencies and Brokerages
523110	Investment Banking and Securities Dealing	524210	Insurance Agencies and Brokerages
52312	Securities Brokerage	52429	Other Insurance Related Activities
523120	Securities Brokerage	524291	Claims Adjusting
52313	Commodity Contracts Dealing	524292	Third Party Administration of Insurance and Pension Funds
523130	Commodity Contracts Dealing	524298	All Other Insurance Related Activities
52314	Commodity Contracts Brokerage	525	Funds, Trusts, and Other Financial Vehicles
523140	Commodity Contracts Brokerage	5251	Insurance and Employee Benefit Funds
5232	Securities and Commodity Exchanges	52511	Pension Funds
52321	Securities and Commodity Exchanges	525110	Pension Funds
523210	Securities and Commodity Exchanges	52512	Health and Welfare Funds
5239	Other Financial Investment Activities	525120	Health and Welfare Funds
52391	Miscellaneous Intermediation	52519	Other Insurance Funds
523910	Miscellaneous Intermediation	525190	Other Insurance Funds
52392	Portfolio Management	5259	Other Investment Pools and Funds
523920	Portfolio Management	52591	Open-End Investment Funds
52393	Investment Advice	525910	Open-End Investment Funds
523930	Investment Advice	52592	Trusts, Estates, and Agency Accounts
52399	All Other Financial Investment Activities	525920	Trusts, Estates, and Agency Accounts
523991	Trust, Fiduciary, and Custody Activities	52593	Real Estate Investment Trusts
523999	Miscellaneous Financial Investment Activities	525930	Real Estate Investment Trusts
524	Insurance Carriers and Related Activities	52599	Other Financial Vehicles
5241	Insurance Carriers	525990	Other Financial Vehicles
52411	Direct Life, Health, and Medical Insurance Carriers	53	Real Estate and Rental and Leasing
524113	Direct Life Insurance Carriers	531	Real Estate
524114	Direct Health and Medical Insurance Carriers	5311	Lessors of Real Estate
52412	Direct Insurance (except Life, Health, and Medical) Carriers	53111	Lessors of Residential Buildings and Dwellings
524126	Direct Property and Casualty Insurance Carriers	531110	Lessors of Residential Buildings and Dwellings
524127	Direct Title Insurance Carriers	53112	Lessors of Nonresidential Buildings (except Miniwarehouses)
		531120	Lessors of Nonresidential Buildings (except Miniwarehouses)
		53113	Lessors of Miniwarehouses and Self-Storage Units

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531130	Lessors of Miniwarehouses and Self-Storage Units	53241	Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing
53119	Lessors of Other Real Estate Property	532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
531190	Lessors of Other Real Estate Property	532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
5312	Offices of Real Estate Agents and Brokers	53242	Office Machinery and Equipment Rental and Leasing
53121	Offices of Real Estate Agents and Brokers	532420	Office Machinery and Equipment Rental and Leasing
531210	Offices of Real Estate Agents and Brokers	53249	Other Commercial and Industrial Machinery and Equipment Rental and Leasing
5313	Activities Related to Real Estate	532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing
53131	Real Estate Property Managers	533	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
531311	Residential Property Managers	5331	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
531312	Nonresidential Property Managers	53311	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
53132	Offices of Real Estate Appraisers	533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
531320	Offices of Real Estate Appraisers	54	Professional, Scientific, and Technical Services
53139	Other Activities Related to Real Estate	541	Professional, Scientific, and Technical Services
531390	Other Activities Related to Real Estate	5411	Legal Services
532	Rental and Leasing Services	54111	Offices of Lawyers
5321	Automotive Equipment Rental and Leasing	541110	Offices of Lawyers
53211	Passenger Car Rental and Leasing	54112	Offices of Notaries
532111	Passenger Car Rental	541120	Offices of Notaries
532112	Passenger Car Leasing	54119	Other Legal Services
53212	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	541191	Title Abstract and Settlement Offices
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing	541199	All Other Legal Services
5322	Consumer Goods Rental	5412	Accounting, Tax Preparation, Bookkeeping, and Payroll Services
53221	Consumer Electronics and Appliances Rental	54121	Accounting, Tax Preparation, Bookkeeping, and Payroll Services
532210	Consumer Electronics and Appliances Rental	541211	Offices of Certified Public Accountants
53222	Formal Wear and Costume Rental	541213	Tax Preparation Services
532220	Formal Wear and Costume Rental		
53223	Video Tape and Disc Rental		
532230	Video Tape and Disc Rental		
53229	Other Consumer Goods Rental		
532291	Home Health Equipment Rental		
532292	Recreational Goods Rental		
532299	All Other Consumer Goods Rental		
5323	General Rental Centers		
53231	General Rental Centers		
532310	General Rental Centers		
5324	Commercial and Industrial Machinery and Equipment Rental and Leasing		

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541214	Payroll Services	541611	Administrative Management and General Management Consulting Services
541219	Other Accounting Services	541612	Human Resources and Executive Search Consulting Services
5413	Architectural, Engineering, and Related Services	541613	Marketing Consulting Services
54131	Architectural Services	541614	Process, Physical Distribution, and Logistics Consulting Services
541310	Architectural Services	541618	Other Management Consulting Services
54132	Landscape Architectural Services	54162	Environmental Consulting Services
541320	Landscape Architectural Services	541620	Environmental Consulting Services
54133	Engineering Services	54169	Other Scientific and Technical Consulting Services
541330	Engineering Services	541690	Other Scientific and Technical Consulting Services
54134	Drafting Services	5417	Scientific Research and Development Services
541340	Drafting Services	54171	Research and Development in the Physical, Engineering, and Life Sciences
54135	Building Inspection Services	541710	Research and Development in the Physical, Engineering, and Life Sciences
541350	Building Inspection Services	54172	Research and Development in the Social Sciences and Humanities
54136	Geophysical Surveying and Mapping Services	541720	Research and Development in the Social Sciences and Humanities
541360	Geophysical Surveying and Mapping Services	5418	Advertising and Related Services
54137	Surveying and Mapping (except Geophysical) Services	54181	Advertising Agencies
541370	Surveying and Mapping (except Geophysical) Services	541810	Advertising Agencies
54138	Testing Laboratories	54182	Public Relations Agencies
541380	Testing Laboratories	541820	Public Relations Agencies
5414	Specialized Design Services	54183	Media Buying Agencies
54141	Interior Design Services	541830	Media Buying Agencies
541410	Interior Design Services	54184	Media Representatives
54142	Industrial Design Services	541840	Media Representatives
541420	Industrial Design Services	54185	Display Advertising
54143	Graphic Design Services	541850	Display Advertising
541430	Graphic Design Services	54186	Direct Mail Advertising
54149	Other Specialized Design Services	541860	Direct Mail Advertising
541490	Other Specialized Design Services	54187	Advertising Material Distribution Services
5415	Computer Systems Design and Related Services	541870	Advertising Material Distribution Services
54151	Computer Systems Design and Related Services	54189	Other Services Related to Advertising
541511	Custom Computer Programming Services	541890	Other Services Related to Advertising
541512	Computer Systems Design Services	5419	Other Professional, Scientific, and Technical Services
541513	Computer Facilities Management Services	54191	Marketing Research and Public Opinion Polling
541519	Other Computer Related Services		
5416	Management, Scientific, and Technical Consulting Services		
54161	Management Consulting Services		

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541910	Marketing Research and Public Opinion Polling	561421	Telephone Answering Services
54192	Photographic Services	561422	Telemarketing Bureaus
541921	Photography Studios, Portrait	56143	Business Service Centers
541922	Commercial Photography	561431	Private Mail Centers
54193	Translation and Interpretation Services	561439	Other Business Service Centers (including Copy Shops)
541930	Translation and Interpretation Services	56144	Collection Agencies
54194	Veterinary Services	561440	Collection Agencies
541940	Veterinary Services	56145	Credit Bureaus
54199	All Other Professional, Scientific, and Technical Services	561450	Credit Bureaus
541990	All Other Professional, Scientific, and Technical Services	56149	Other Business Support Services
55	Management of Companies and Enterprises	561491	Repossession Services
551	Management of Companies and Enterprises	561492	Court Reporting and Stenotype Services
5511	Management of Companies and Enterprises	561499	All Other Business Support Services
55111	Management of Companies and Enterprises	5615	Travel Arrangement and Reservation Services
551111	Offices of Bank Holding Companies	56151	Travel Agencies
551112	Offices of Other Holding Companies	561510	Travel Agencies
551114	Corporate, Subsidiary, and Regional Managing Offices	56152	Tour Operators
56	Administrative and Support and Waste Management and Remediation Services	561520	Tour Operators
561	Administrative and Support Services	56159	Other Travel Arrangement and Reservation Services
5611	Office Administrative Services	561591	Convention and Visitors Bureaus
56111	Office Administrative Services	561599	All Other Travel Arrangement and Reservation Services
561110	Office Administrative Services	5616	Investigation and Security Services
5612	Facilities Support Services	56161	Investigation, Guard, and Armored Car Services
56121	Facilities Support Services	561611	Investigation Services
561210	Facilities Support Services	561612	Security Guards and Patrol Services
5613	Employment Services	561613	Armored Car Services
56131	Employment Placement Agencies	56162	Security Systems Services
561310	Employment Placement Agencies	561621	Security Systems Services (except Locksmiths)
56132	Temporary Help Services	561622	Locksmiths
561320	Temporary Help Services	5617	Services to Buildings and Dwellings
56133	Professional Employer Organizations	56171	Exterminating and Pest Control Services
561330	Professional Employer Organizations	561710	Exterminating and Pest Control Services
5614	Business Support Services	56172	Janitorial Services
56141	Document Preparation Services	561720	Janitorial Services
561410	Document Preparation Services	56173	Landscaping Services
56142	Telephone Call Centers	561730	Landscaping Services
		56174	Carpet and Upholstery Cleaning Services
		561740	Carpet and Upholstery Cleaning Services
		56179	Other Services to Buildings and Dwellings

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561790	Other Services to Buildings and Dwellings	611310	Colleges, Universities, and Professional Schools
5619	Other Support Services	6114	Business Schools and Computer and Management Training
56191	Packaging and Labeling Services	61141	Business and Secretarial Schools
561910	Packaging and Labeling Services	611410	Business and Secretarial Schools
56192	Convention and Trade Show Organizers	61142	Computer Training
561920	Convention and Trade Show Organizers	611420	Computer Training
56199	All Other Support Services	61143	Professional and Management Development Training
561990	All Other Support Services	611430	Professional and Management Development Training
562	Waste Management and Remediation Services	6115	Technical and Trade Schools
5621	Waste Collection	61151	Technical and Trade Schools
56211	Waste Collection	611511	Cosmetology and Barber Schools
562111	Solid Waste Collection	611512	Flight Training
562112	Hazardous Waste Collection	611513	Apprenticeship Training
562119	Other Waste Collection	611519	Other Technical and Trade Schools
5622	Waste Treatment and Disposal	6116	Other Schools and Instruction
56221	Waste Treatment and Disposal	61161	Fine Arts Schools
562211	Hazardous Waste Treatment and Disposal	611610	Fine Arts Schools
562212	Solid Waste Landfill	61162	Sports and Recreation Instruction
562213	Solid Waste Combustors and Incinerators	611620	Sports and Recreation Instruction
562219	Other Nonhazardous Waste Treatment and Disposal	61163	Language Schools
5629	Remediation and Other Waste Management Services	611630	Language Schools
56291	Remediation Services	61169	All Other Schools and Instruction
562910	Remediation Services	611691	Exam Preparation and Tutoring
56292	Materials Recovery Facilities	611692	Automobile Driving Schools
562920	Materials Recovery Facilities	611699	All Other Miscellaneous Schools and Instruction
56299	All Other Waste Management Services	6117	Educational Support Services
562991	Septic Tank and Related Services	61171	Educational Support Services
562998	All Other Miscellaneous Waste Management Services	611710	Educational Support Services
61	Educational Services	62	Health Care and Social Assistance
611	Educational Services	621	Ambulatory Health Care Services
6111	Elementary and Secondary Schools	6211	Offices of Physicians
61111	Elementary and Secondary Schools	62111	Offices of Physicians
611110	Elementary and Secondary Schools	621111	Offices of Physicians (except Mental Health Specialists)
6112	Junior Colleges	621112	Offices of Physicians, Mental Health Specialists
61121	Junior Colleges	6212	Offices of Dentists
611210	Junior Colleges	62121	Offices of Dentists
6113	Colleges, Universities, and Professional Schools	621210	Offices of Dentists
61131	Colleges, Universities, and Professional Schools	6213	Offices of Other Health Practitioners

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62131	Offices of Chiropractors	6221	General Medical and Surgical Hospitals
621310	Offices of Chiropractors	62211	General Medical and Surgical Hospitals
62132	Offices of Optometrists	622110	General Medical and Surgical Hospitals
621320	Offices of Optometrists	6222	Psychiatric and Substance Abuse Hospitals
62133	Offices of Mental Health Practitioners (except Physicians)	62221	Psychiatric and Substance Abuse Hospitals
621330	Offices of Mental Health Practitioners (except Physicians)	622210	Psychiatric and Substance Abuse Hospitals
62134	Offices of Physical, Occupational and Speech Therapists, and Audiologists	6223	Specialty (except Psychiatric and Substance Abuse) Hospitals
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists	62231	Specialty (except Psychiatric and Substance Abuse) Hospitals
62139	Offices of All Other Health Practitioners	622310	Specialty (except Psychiatric and Substance Abuse) Hospitals
621391	Offices of Podiatrists	623	Nursing and Residential Care Facilities
621399	Offices of All Other Miscellaneous Health Practitioners	6231	Nursing Care Facilities
6214	Outpatient Care Centers	62311	Nursing Care Facilities
62141	Family Planning Centers	623110	Nursing Care Facilities
621410	Family Planning Centers	6232	Residential Mental Retardation, Mental Health and Substance Abuse Facilities
62142	Outpatient Mental Health and Substance Abuse Centers	62321	Residential Mental Retardation Facilities
621420	Outpatient Mental Health and Substance Abuse Centers	623210	Residential Mental Retardation Facilities
62149	Other Outpatient Care Centers	62322	Residential Mental Health and Substance Abuse Facilities
621491	HMO Medical Centers	623220	Residential Mental Health and Substance Abuse Facilities
621492	Kidney Dialysis Centers	6233	Community Care Facilities for the Elderly
621493	Freestanding Ambulatory Surgical and Emergency Centers	62331	Community Care Facilities for the Elderly
621498	All Other Outpatient Care Centers	623311	Continuing Care Retirement Communities
6215	Medical and Diagnostic Laboratories	623312	Homes for the Elderly
62151	Medical and Diagnostic Laboratories	6239	Other Residential Care Facilities
621511	Medical Laboratories	62399	Other Residential Care Facilities
621512	Diagnostic Imaging Centers	623990	Other Residential Care Facilities
6216	Home Health Care Services	624	Social Assistance
62161	Home Health Care Services	6241	Individual and Family Services
621610	Home Health Care Services	62411	Child and Youth Services
6219	Other Ambulatory Health Care Services	624110	Child and Youth Services
62191	Ambulance Services	62412	Services for the Elderly and Persons with Disabilities
621910	Ambulance Services	624120	Services for the Elderly and Persons with Disabilities
62199	All Other Ambulatory Health Care Services	62419	Other Individual and Family Services
621991	Blood and Organ Banks	624190	Other Individual and Family Services
621999	All Other Miscellaneous Ambulatory Health Care Services	6242	Community Food and Housing, and Emergency and Other Relief Services
622	Hospitals	62421	Community Food Services
		624210	Community Food Services

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62422	Community Housing Services	7115	Independent Artists, Writers, and Performers
624221	Temporary Shelters		
624229	Other Community Housing Services	71151	Independent Artists, Writers, and Performers
62423	Emergency and Other Relief Services		
624230	Emergency and Other Relief Services	711510	Independent Artists, Writers, and Performers
6243	Vocational Rehabilitation Services		
62431	Vocational Rehabilitation Services	712	Museums, Historical Sites, and Similar Institutions
624310	Vocational Rehabilitation Services		
6244	Child Day Care Services	7121	Museums, Historical Sites, and Similar Institutions
62441	Child Day Care Services		
624410	Child Day Care Services	71211	Museums
71	Arts, Entertainment, and Recreation	712110	Museums
711	Performing Arts, Spectator Sports, and Related Industries	71212	Historical Sites
		712120	Historical Sites
7111	Performing Arts Companies	71213	Zoos and Botanical Gardens
71111	Theater Companies and Dinner Theaters	712130	Zoos and Botanical Gardens
711110	Theater Companies and Dinner Theaters	71219	Nature Parks and Other Similar Institutions
71112	Dance Companies		
711120	Dance Companies	712190	Nature Parks and Other Similar Institutions
71113	Musical Groups and Artists		
711130	Musical Groups and Artists	713	Amusement, Gambling, and Recreation Industries
71119	Other Performing Arts Companies		
711190	Other Performing Arts Companies	7131	Amusement Parks and Arcades
7112	Spectator Sports	71311	Amusement and Theme Parks
71121	Spectator Sports	713110	Amusement and Theme Parks
711211	Sports Teams and Clubs	71312	Amusement Arcades
711212	Racetracks	713120	Amusement Arcades
711219	Other Spectator Sports	7132	Gambling Industries
7113	Promoters of Performing Arts, Sports, and Similar Events	71321	Casinos (except Casino Hotels)
		713210	Casinos (except Casino Hotels)
71131	Promoters of Performing Arts, Sports, and Similar Events with Facilities	71329	Other Gambling Industries
		713290	Other Gambling Industries
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities	7139	Other Amusement and Recreation Industries
71132	Promoters of Performing Arts, Sports, and Similar Events without Facilities	71391	Golf Courses and Country Clubs
		713910	Golf Courses and Country Clubs
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities	71392	Skiing Facilities
		713920	Skiing Facilities
7114	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	71393	Marinas
		713930	Marinas
71141	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	71394	Fitness and Recreational Sports Centers
		713940	Fitness and Recreational Sports Centers
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	71395	Bowling Centers
		713950	Bowling Centers

List of SIC Codes (Continued)

71399	All Other Amusement and Recreation Industries	81	Other Services (except Public Administration)
713990	All Other Amusement and Recreation Industries	811	Repair and Maintenance
72	Accommodation and Food Services	8111	Automotive Repair and Maintenance
721	Accommodation	81111	Automotive Mechanical and Electrical Repair and Maintenance
7211	Traveler Accommodation	811111	General Automotive Repair
72111	Hotels (except Casino Hotels) and Motels	811112	Automotive Exhaust System Repair
721110	Hotels (except Casino Hotels) and Motels	811113	Automotive Transmission Repair
72112	Casino Hotels	811118	Other Automotive Mechanical and Electrical Repair and Maintenance
721120	Casino Hotels		
72119	Other Traveler Accommodation	81112	Automotive Body, Paint, Interior, and Glass Repair
721191	Bed-and-Breakfast Inns		
721199	All Other Traveler Accommodation	811121	Automotive Body, Paint, and Interior Repair and Maintenance
7212	RV (Recreational Vehicle) Parks and Recreational Camps	811122	Automotive Glass Replacement Shops
72121	RV (Recreational Vehicle) Parks and Recreational Camps	81119	Other Automotive Repair and Maintenance
721211	RV (Recreational Vehicle) Parks and Campgrounds	811191	Automotive Oil Change and Lubrication Shops
721214	Recreational and Vacation Camps (except Campgrounds)	811192	Car Washes
7213	Rooming and Boarding Houses	811198	All Other Automotive Repair and Maintenance
72131	Rooming and Boarding Houses	8112	Electronic and Precision Equipment Repair and Maintenance
721310	Rooming and Boarding Houses		
722	Food Services and Drinking Places	81121	Electronic and Precision Equipment Repair and Maintenance
7221	Full-Service Restaurants	811211	Consumer Electronics Repair and Maintenance
72211	Full-Service Restaurants		
722110	Full-Service Restaurants	811212	Computer and Office Machine Repair and Maintenance
7222	Limited-Service Eating Places	811213	Communication Equipment Repair and Maintenance
72221	Limited-Service Eating Places		
722211	Limited-Service Restaurants	811219	Other Electronic and Precision Equipment Repair and Maintenance
722212	Cafeterias		
722213	Snack and Nonalcoholic Beverage Bars	8113	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
7223	Special Food Services		
72231	Food Service Contractors	81131	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
722310	Food Service Contractors		
72232	Caterers		
722320	Caterers		
72233	Mobile Food Services		
722330	Mobile Food Services		
7224	Drinking Places (Alcoholic Beverages)	811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
72241	Drinking Places (Alcoholic Beverages)		
722410	Drinking Places (Alcoholic Beverages)		

List of SIC Codes (Continued)

8114	Personal and Household Goods Repair and Maintenance	812922	One-Hour Photofinishing
81141	Home and Garden Equipment and Appliance Repair and Maintenance	81293	Parking Lots and Garages
811411	Home and Garden Equipment Repair and Maintenance	812930	Parking Lots and Garages
811412	Appliance Repair and Maintenance	81299	All Other Personal Services
81142	Reupholstery and Furniture Repair	812990	All Other Personal Services
811420	Reupholstery and Furniture Repair	813	Religious, Grantmaking, Civic, Professional, and Similar Organizations
81143	Footwear and Leather Goods Repair	8131	Religious Organizations
811430	Footwear and Leather Goods Repair	81311	Religious Organizations
81149	Other Personal and Household Goods Repair and Maintenance	813110	Religious Organizations
811490	Other Personal and Household Goods Repair and Maintenance	8132	Grantmaking and Giving Services
812	Personal and Laundry Services	81321	Grantmaking and Giving Services
8121	Personal Care Services	813211	Grantmaking Foundations
81211	Hair, Nail, and Skin Care Services	813212	Voluntary Health Organizations
812111	Barber Shops	813219	Other Grantmaking and Giving Services
812112	Beauty Salons	8133	Social Advocacy Organizations
812113	Nail Salons	81331	Social Advocacy Organizations
81219	Other Personal Care Services	813311	Human Rights Organizations
812191	Diet and Weight Reducing Centers	813312	Environment, Conservation and Wildlife Organizations
812199	Other Personal Care Services	813319	Other Social Advocacy Organizations
8122	Death Care Services	8134	Civic and Social Organizations
81221	Funeral Homes and Funeral Services	81341	Civic and Social Organizations
812210	Funeral Homes and Funeral Services	813410	Civic and Social Organizations
81222	Cemeteries and Crematories	8139	Business, Professional, Labor, Political, and Similar Organizations
812220	Cemeteries and Crematories	81391	Business Associations
8123	Drycleaning and Laundry Services	813910	Business Associations
81231	Coin-Operated Laundries and Drycleaners	81392	Professional Organizations
812310	Coin-Operated Laundries and Drycleaners	813920	Professional Organizations
81232	Drycleaning and Laundry Services (except Coin-Operated)	81393	Labor Unions and Similar Labor Organizations
812320	Drycleaning and Laundry Services (except Coin-Operated)	813930	Labor Unions and Similar Labor Organizations
81233	Linen and Uniform Supply	81394	Political Organizations
812331	Linen Supply	813940	Political Organizations
812332	Industrial Launderers	81399	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)
8129	Other Personal Services	813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)
81291	Pet Care (except Veterinary) Services	814	Private Households
812910	Pet Care (except Veterinary) Services	8141	Private Households
81292	Photofinishing	81411	Private Households
812921	Photofinishing Laboratories (except One-Hour)		

List of SIC Codes (Continued)

814110	Private Households	923110	Administration of Education Programs
92	Public Administration	92312	Administration of Public Health Programs
921	Executive, Legislative, and Other General Government Support	923120	Administration of Public Health Programs
9211	Executive, Legislative, and Other General Government Support	92313	Administration of Human Resource Programs (except Education, Public Health, and Veterans' Affairs Programs)
92111	Executive Offices	923130	Administration of Human Resource Programs (except Education, Public Health, and Veterans' Affairs Programs)
921110	Executive Offices	92314	Administration of Veterans' Affairs
92112	Legislative Bodies	923140	Administration of Veterans' Affairs
921120	Legislative Bodies	924	Administration of Environmental Quality Programs
92113	Public Finance Activities	9241	Administration of Environmental Quality Programs
921130	Public Finance Activities	92411	Administration of Air and Water Resource and Solid Waste Management Programs
92114	Executive and Legislative Offices, Combined	924110	Administration of Air and Water Resource and Solid Waste Management Programs
921140	Executive and Legislative Offices, Combined	92412	Administration of Conservation Programs
92115	American Indian and Alaska Native Tribal Governments	924120	Administration of Conservation Programs
921150	American Indian and Alaska Native Tribal Governments	925	Administration of Housing Programs, Urban Planning, and Community Development
92119	Other General Government Support	9251	Administration of Housing Programs, Urban Planning, and Community Development
921190	Other General Government Support	92511	Administration of Housing Programs
922	Justice, Public Order, and Safety Activities	925110	Administration of Housing Programs
9221	Justice, Public Order, and Safety Activities	92512	Administration of Urban Planning and Community and Rural Development
92211	Courts	925120	Administration of Urban Planning and Community and Rural Development
922110	Courts	926	Administration of Economic Programs
92212	Police Protection	9261	Administration of Economic Programs
922120	Police Protection	92611	Administration of General Economic Programs
92213	Legal Counsel and Prosecution	926110	Administration of General Economic Programs
922130	Legal Counsel and Prosecution	92612	Regulation and Administration of Transportation Programs
92214	Correctional Institutions	926120	Regulation and Administration of Transportation Programs
922140	Correctional Institutions		
92215	Parole Offices and Probation Offices		
922150	Parole Offices and Probation Offices		
92216	Fire Protection		
922160	Fire Protection		
92219	Other Justice, Public Order, and Safety Activities		
922190	Other Justice, Public Order, and Safety Activities		
923	Administration of Human Resource Programs		
9231	Administration of Human Resource Programs		
92311	Administration of Education Programs		

List of SIC Codes (Continued)

92613	Regulation and Administration of Communications, Electric, Gas, and Other Utilities	926150	Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors
926130	Regulation and Administration of Communications, Electric, Gas, and Other Utilities	927	Space Research and Technology
92614	Regulation of Agricultural Marketing and Commodities	9271	Space Research and Technology
926140	Regulation of Agricultural Marketing and Commodities	92711	Space Research and Technology
92615	Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors	927110	Space Research and Technology
		928	National Security and International Affairs
		9281	National Security and International Affairs
		92811	National Security
		928110	National Security
		92812	International Affairs
		928120	International Affairs

## Appendix C. List of Priority Pollutants

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### VOLATILES

Acrolein  
Acrylonitrile  
Benzene  
Bromoform  
Carbon Tetrachloride  
Chlorobenzene  
Chlorodibromomethane  
Chloroethane  
2-chloroethylvinyl ether  
Chloroform  
Dichlorobromomethane  
1,1-dichloroethane  
1,2-dichloroethane  
1,1-dichloroethylene  
1,2-dichloropropane  
1,3-dichloropropylene  
Ethylbenzene  
Methyl bromide  
Methyl chloride  
Methylene Chloride  
1,1,2,2-tetrachloroethane  
Tetrachloroethylene  
Toluene  
1,2-trans-dichloroethylene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
Trichloroethylene  
Vinyl chloride

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### ACID COMPOUNDS

2-Chlorophenol 95-57-8  
2,4-Dichlorophenol 120-83-2  
2,4-Dimethylphenol 105-67-9  
4,6-Dinitro-o-cresol 534-52-1  
2,4-Dinitrophenol 51-28-5  
2-Nitrophenol 88-75-5  
4-Nitrophenol 100-02-7  
p-Chloro-m-cresol 59-50-7  
Pentachlorophenol 87-86-5  
Phenol 108-95-2  
2,4,6-Trichlorophenol 88-06-2

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### METALS CYANIDE & TOTAL PHENOLS

Antimony 7440-36-0  
Arsenic 7440-38-2  
Beryllium 7440-41-7  
Cadmium 7440-43-9  
Chromium 7440-47-3  
Copper 7440-50-8  
Lead 7439-92-1  
Mercury 7439-97-6  
Nickel 7440-02-0  
Selenium 7782-49-2  
Silver 7440-22-4  
Thallium 7440-28-0  
Zinc 7440-66-6  
Cyanide (total) 57-12-5  
Phenols, (total)

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### PESTICIDES

Aldrin 309-00-2  
alpha-BHC 319-84-6  
beta-BHC 319-85-7  
gamma-BHC 58-89-9  
delta-BHC 319-86-8  
Chlordane 57-74-9  
4,4'-DDD 72-54-8  
4,4'-DDE 72-55-9  
4,4'-DDT 50-29-3  
Dieldrin 60-57-1  
Endosulfan I 115-29-7  
Endosulfan II 115-29-7  
Endosulfan Sulfate 1031-07-8  
Endrin 72-20-8  
Endrin Aldehyde 7421-93-4  
Heptachlor 76-44-8  
Heptachlor Epoxide 1024-57-3  
PCB (7 Aroclors: 1016 & 1221-1260)  
Toxaphene 8001-35-2

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### BASE/NEUTRAL COMPOUNDS

Acenaphthene 83-32-9  
Acenaphthylene 208-96-8  
Anthracene 120-12-7  
Benzidine 92-87-5  
Benzo(a)anthracene 56-55-3

## List of Priority Pollutants (Continued)

Benzo(a)pyrene 50-32-8  
3,4 Benzofluoranthene 205-99-2  
Benzo(ghi)Perylene 191-24-2  
Benzo(k)fluoranthene 207-08-9  
Bis(2-chloroethoxy) Methane 111-91-1  
Bis(2-chloroethyl) Ether 111-44-4  
Bis(2-chloroisopropyl) Ether 102-60-1  
Bis(2-ethylhexyl) Phthalate 117-81-7  
4-Bromophenyl Phenyl Ether 101-55-3  
Butylbenzyl Phthalate 85-68-7  
2-Chloronaphthalene 91-58-7  
4-Chlorophenyl Phenyl Ether 7005-72-3  
Chrysene 218-01-9  
Dibenzo(a,h)anthracene 53-70-3  
1,2-Dichlorobenzene 95-50-1  
1,3-Dichlorobenzene 541-73-1  
1,4-Dichlorobenzene 106-46-7  
3,3' Dichlorobenzidine 91-94-1  
Diethyl Phthalate 84-66-2  
Dimethyl Phthalate 131-11-3  
Di-n-butyl Phthalate 84-74-2  
2,4-Dinitrotoluene 121-14-2  
2,6-Dinitrotoluene 606-20-2  
Di-n-octyl Phthalate 117-84-0  
1,2-Diphenylhydrazine 122-66-7  
Fluoranthene 206-44-0  
Fluorene 86-73-7  
Hexachlorobenzene 118-74-1  
Hexachlorobutadiene 87-68-3  
Hexachlorocyclopentadiene 77-47-4  
Hexachloroethane 67-72-1  
Indeno(1,2,3-cd)pyrene 193-39-5  
Isophorone 78-59-1  
Naphthalene 91-20-3  
Nitrobenzene 98-95-3  
N-nitrosodimethylamine 62-75-9  
N-nitrosodi-n-propylamine 621-64-7  
N-nitrosodiphenylamine 86-30-6  
Phenanthrene 85-01-8  
Pyrene 129-00-0  
1,2,4-Trichlorobenzene 120-82-1

# Appendix D – Industrial Categories

Industrial Categories for which Pretreatment Standards for New and Existing Sources have been Promulgated or have been proposed for promulgation: NOTE: This list does not include Industrial Categories for which only direct discharge standards are promulgated (I.E. Seafood Processing, 40 CFR part 408, etc.).

<u>PSES*</u>	<u>PSNS*</u>	<u>Industrial Category</u>	<u>40 CFR part</u>
X	X	Aluminum Forming (Pr: 10/83)	467
	X	Asbestos Manufacturing (Pr: 2/74)	427
X	X	Battery Manufacturing (Pr: 3/83)	461
X	X	Builder's Paper and Board Mills (Pr: 12/86)	431
	X	Carbon Black Manufacturing (Pr: 1/78)	458
X	X	Centralized Waste Treatment** (NEW - to be final 6/96) (facilities receiving hazardous and non-hazardous waste from off-site for treatment or recovery - excluding solvent recovery)	437
?	?	Coastal Oil and Gas Extraction (NEW - to be final 7/96)	**
X	X	Coil Coating and Canmaking (Pr: 12/82 & 11/83)	465
X	X	Copper Forming (Pr: 8/83)	468
X	X	Electrical and Electronic Components (Pr: 4/83)	469
X		Electroplating (Pr: 1/81)	413
	X	Feedlots (Pr: 2/74)	412
	X	Ferroalloy Manufacturing (Pr: 7/86)	424
	X	Fertilizer Manufacturing (Pr: 8/79)	418
	X	Glass Manufacturing (Pr: 7/86)	426
	X	Grain Mills (Pr: 7/86)	406
	X	Ink Formulation (7/75)	447
?	?	Industrial Laundries** (NPRM 12/96, final 12/98) (laundries which supply laundered and dry-cleaned work uniforms, wiping towels, safety equipment (incl. gloves & flame retardant clothes) dust covers, cloths, and similar items to commercial/industrial users.	441
X	X	Inorganic Chemicals (Pr: 6/82)	415
X	X	Iron and Steel Manufacturing (Pr: 5/82)	420
X	X	Landfills and Incinerators** (NPRM 3/97, Final 3/99)	437
X	X	Leather Tanning and Finishing (Pr: 11/82)	425
X	X	Metal Finishing (Pr: 7/83)	433
X	X	Metal Molding and Casting (Pr: 10/85)	464
X	X	Metal Products & Machinery Phase 1** (NEW Final 5/96) (facilities processing metal parts, metal products, and machinery including manufacture assembly, rebuilding, repair, and maintenance for: Aircraft, Aerospace, Hardware, Ordnance, Industrial Equipment (mobile and stationary) and Electronic Equipment categories.)	438

<u>PSES*</u>	<u>PSNS*</u>	<u>Industrial Category</u>	<u>40 CFR part</u>
?	?	Metal Products and Machinery Phase 2** (NPRM 1/98)	438
X	X	Nonferrous Metals Forming and Metal Powders (Pr: 8/85)	471
X	X	Nonferrous metals Manufacturing (Pr: 6/84)	421
X	X	Organic Chemicals, Plastics, & Synthetic Fibers (Pr:11/87)	414
	X	Paint Formulation (Pr: 7/75)	446
	X	Paving and Roofing Materials (Pr: 7/75)	443
X	X	Pesticide Formulation, Packaging, & Repackaging (NEW) (facilities formulating, packaging, or repackaging registered pesticide products, excl: NaCl <sub>4</sub> (bleach)). (Pr: 8/95?)	455
X	X	Petroleum Refining (Pr: 10/82)	419
X	X	Pharmaceutical Manufacturing (Pr: 10/83 REVISED 2/96)	439
X	X	Porcelain Enameling (Pr: 11/82)	466
X	X	Pulp, Paper, and Paperboard (NEW - 11/95?)	430/431
	X	Rubber Manufacturing (Pr: 2/74)	428
	X	Soap and Detergent Manufacturing (Pr: 4/74)	417
X	X	Steam Electric Power Generating (Pr: 11/82, study 12/95 )	423
	X	Sugar Processing (Pr: 7/86)	409
X	X	Timber Products Processing (Pr: 1/81)	429
?	?	Transportation Equipment Cleaning** (NPRM 12/96) (cleaning facilities servicing tank trucks, railroad tank cars, tank barges, and aircraft exteriors (cleaning and de-icing)).	442

\* Note: Pretreatment standards apply to two cases; direct discharge to surface waters, or indirect discharge through the local POTW. Indirect discharge standards are further divided into two cases, for industries discharging before the promulgation of the applicable pretreatment regulation, and for those industries whose discharge commenced after the promulgation date of the regulation. These are known as "Pretreatment Standards for Existing Sources (PSES) and "Pretreatment Standards for New Sources" (PSNS) respectively. When reviewing categorical standards found in federal regulations 40 CFR parts 405 - 479 these abbreviations will be found on tables of discharge limits applicable to indirect dischargers.

\*\* Note: These are categories which have been proposed, and should be captured in Industrial User Surveys, however, the promulgation of the final rule has not occurred.

NPRM = National Promulgation of Rulemaking (for comment, not promulgation of final rule).  
Pr: = Promulgation of final categorical standards

**Appendix E**  
**Applicable Excerpts from**  
**Washington State Dangerous Waste Regulations**  
**Chapter 173-303 WAC**

Amended November 1995

and

**Pretreatment Regulations**  
**40 CFR Part 403**

Amended June 4, 1996

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## Applicable State Dangerous Waste Regulations: WAC 173-303-071 (3)

173-303-071 “(3) Exclusions. The following categories of waste are excluded from the requirements of chapter 173-0303 WAC, except for WAC 173-303-050, 173-303-145, and 173-303-960, and as otherwise specified.”....

...”(a)(i) Domestic sewage; and

(ii) Any mixture of domestic sewage and other wastes that pass through a sewer system to a publicly owned treatment works (POTW) for treatment provided:

(A) The generator or owner/operator has obtained a state waste discharge permit issued by the department, a temporary permit obtained pursuant to RCW 90.48.200, or pretreatment permit (or written authorization) from a local sewage utility delegated pretreatment program responsibilities pursuant to RCW 90.48.165.

(B) The waste discharge is specifically authorized in a state waste discharge permit, pretreatment permit or written discharge authorization, or in the case of a temporary permit the waste is accurately described in the permit application;

(C) The waste discharge is not prohibited under 40 CFR Part 403.5; and

(D) The waste prior to mixing with domestic sewage must not exhibit dangerous waste characteristics for ignitability, corrosivity, reactivity, or toxicity as defined in WAC 173-303-090, and must not meet the dangerous waste criteria for toxic dangerous waste or persistent dangerous waste under WAC 173-303-100, unless the waste is treatable in the publicly owned treatment works (POTW) where it will be received. This exclusion does not apply to the generation, treatment, storage, recycling, or other management of dangerous wastes prior to discharge into the sanitary sewage system;

(b) Industrial wastewater discharges that are point-source discharges subject to regulation under section 402 of the Clean Water Act. This exclusion does not apply to the collection, storage, or treatment of industrial waste-waters prior to discharge, nor to sludges that are generated during industrial wastewater treatment. Owners or operators of certain wastewater treatment facilities managing dangerous wastes may qualify for a permit-by-rule pursuant to WAC 173-303-802(5);

(c) Household wastes, including household waste that has been collected, transported, stored, or disposed. Wastes which are residues from or are generated by the management of household wastes (e.g., leachate, ash from burning of refuse-derived fuel) are not excluded by this provision. “Household wastes” means any waste material (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas);”

Applicable Pretreatment Regulations Pertaining to Dangerous Waste - Title 40 (Protection of Environment) of the Code of Federal Regulations (CFR) part 403.

403.12(p)(1): The Industrial User shall notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, patch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. All notifications must take place within 180 days of the effective date of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed discharges must be submitted under 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e).

(2) Dischargers are exempt from the requirements of paragraph (p)(1) of this section during a calendar month in which they discharge no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e). Discharge of more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification.

Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not require additional notification.

(3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Waste Division Director, and State hazardous waste authorities of the discharge of such substance within 90 days of the effective date of such regulations.

(4) In the case of any notification made under paragraph (p) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and toxicity of hazardous waste generated to the degree it has determined to be economically practical.

Hazardous Waste Authorities: Notifications under 40 CFR 403.12(p)

Environmental Protection Agency Region X: Director, Hazardous Waste Division, Environmental Protection Agency, 1200 6th Avenue, Seattle, Washington 98101

Washington State: Manager, Solid and Hazardous Waste Management Division; Department of Ecology, Mail Stop PV-11 Olympia, Washington, 98504

# Appendix F – Part 1 – Example Cover Letters

## Example cover letter for transmitting the screening form

[CITY/COUNTY LETTERHEAD]

Customer Name  
Address  
City, State zip

Subject: Completion of Survey Forms by Sewer Customers

Dear Customer:

We are currently collecting information on the wastewater discharged by our customers. This study is called an "Industrial User Survey", and we need to collect information from all our non-residential customers, (not just what most people consider "industry"). The Washington State Department of Ecology (Ecology) uses this information to properly administer a wastewater discharge permit program and other environmental programs. We use the information to identify discharges that may be a problem to our collection system and biological processes. We are responsible for collecting and tabulating this information and submitting it to Ecology who, in turn, must ensure that proper controls are in place for significant sources, or potential sources, of pollution.

{This paragraph should be less forceful for category 3 customers} Therefore, to continue to provide sewage service to our non-residential customers, we must obtain the enclosed one page form completed and appropriately signed. Please return this information to the address on the return envelope by [30 days from date sent is suggested]. You are being sent the one page screening form on the presumption that your facility does not discharge wastewater of a nature of volume that would require a permit from Ecology. If we find, based upon your response, that we need more information on your discharges, we will notify you and send you a more comprehensive form that also qualifies as a state waste discharge permit application (which you can use to apply for a permit if you need one).

Please do your best to honestly, completely, and accurately fill out this form. Because we operate a public facility, we must regard discharges of waste streams that could affect our treatment plant that are not reported in this survey form quite seriously. Knowingly misreporting the facts could lead to termination of treatment services, and/or punishments applicable to providing false information. {Provide information here if any training session(s) are offered by the POTW on how to complete the screening form or survey form.}

If you already know, or by completing this screening form conclude, that your current or future discharge may require a permit, please contact the regional office of Ecology to obtain a permit application form. Facilities in Southwest region may call (360) 407-6279 to have an application sent to them. Ecology may initiate actions to notify users which may need a permit of requirements based upon the information returned in the survey questionnaires. All responses are "Public Information" subject to the freedom of information act and the Washington State public disclosure law. Claims of confidentiality must be made at the time the information is provided, and information on pollutants in the effluent, by law, is public information.

If you have any further questions call the undersigned at \_\_\_\_\_.

Sincerely,

[POTW Contact Signature Block]

## Short Form - Survey of Nonresidential Establishments

1. Company Name: \_\_\_\_\_ 2. Telephone Number \_\_\_\_\_  
3. Full Mailing Address \_\_\_\_\_ 4. Facility address \_\_\_\_\_  
of Business Offices: \_\_\_\_\_ (If different) \_\_\_\_\_  
\_\_\_\_\_
5. Name of environmental contact \_\_\_\_\_ Phone # \_\_\_\_\_ - \_\_\_\_\_  
(Person empowered by the authorized representative to represent the Company in dealings with the Sewer Authority and/or City, or responsible for the proper completion of this survey form.)
6. Primary type of Business: \_\_\_\_\_ Narrative description of the types of operations conducted. (Please identify all activities from which waste water is produced.)  
\_\_\_\_\_  
\_\_\_\_\_
7. This facility uses \_\_\_\_\_ gallons / day of water from:  Reclaimed Water  Public Water Supply  
 Private Well  Surface Water (give a breakdown if more than one source applies)
8. This estimated amount of water used for the following purposes (in Gallons per Day) is:  
 Non-Commercial Domestic Uses \_\_\_\_\_ GPD  
 Boilers, Cooling, or other Unpolluted Waste Waters \_\_\_\_\_ GPD  
 Non-Domestic Activities (not from domestic use of restrooms, showers, kitchens, or laundry rooms)  
(describe the activity) \_\_\_\_\_ GPD
9. Waste water from this facility goes to the  Sanitary sewer  Storm sewer  Ground (drainfields, wetwell)   
Open waters, rivers, ocean,  Waste haulers  Evaporation  Other means of disposal: (check all that apply)
10. Storm water from this facility goes to: (list all discharge methods used) \_\_\_\_\_.
11. Chemicals are used and/or stored on the premises:  in drums  only in smaller containers,  no chemicals
12. The facility ( does,  does not) generate dangerous waste: (Generator WAD# (if assigned): \_\_\_\_\_)
13. Materials, chemicals, products, equipment, or wastes ( are;  are not) stored in outside areas.
14. The facility ( does,  does not) have an oil-water separator.
15. Vehicles or equipment ( are;  are not) washed at the premises (if so, wash water goes to \_\_\_\_\_)

***I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.***

Signature of Authorized Representative\* \_\_\_\_\_ Date: \_\_\_\_\_

Name \_\_\_\_\_ Phone number ( \_\_\_\_\_ ) \_\_\_\_\_ - \_\_\_\_\_

\* Surveys must be signed as follows: Corporations, by a principal executive officer of at least the level of vice-president; partnership, by a general partner; sole proprietorship, by the proprietor, (ref: 40 CFR part 403.12(1))

DISCLOSURE: Title 40 of the Code of Federal Regulations Part 403 Section 403.14 requires information provided in this questionnaire identifying the nature and frequency of discharge to be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR part 2 and applicable State Law. Should a discharge permit be required for your facility, the information in this questionnaire may be used to issue the permit.

**INTERNAL USE:** Form Sent on \_\_\_\_\_ Received on \_\_\_\_\_ Form control # \_\_\_\_\_

## Example cover letter for transmitting the survey form

[CITY/COUNTY LETTERHEAD]

Customer Name  
Address  
City, State zip

Subject: Mandatory Completion of Survey Form for Sewer Customers

Dear Customer:

We are currently engaged in a study to determine the nature of wastewater discharged by our customers. This study is called an "Industrial User Survey". The state periodically collects this information to ensure that non-domestic sources of wastewater are identified. The information is used to ensure that these discharges do not pose a threat to the Sewage Treatment Plant and that proper controls are in place for significant sources of polluted water.

In order to allow continued sewage service to our non-residential customers, we must obtain the enclosed survey form completed to the best of your ability. This information must be returned to the address on the return envelope by [DATE]. We will collect and tabulate this information in compliance with the requirements of our Sewage Treatment Plant's discharge permit.

The thorough and accurate completion of this form is quite important. Failure to complete the form, or discharging a pollutant not identified in, or at higher volume than reported in this survey form is an offense punishable by enforcement actions which include termination of treatment services, and/or civil and criminal penalties for knowing violations.

Discharge of waste materials to the POTW must be authorized by Chapter 173-216 WAC (the State Waste Discharge Permit Program). Because of this, if you find that you discharge or plan to discharge non-domestic wastes, please contact the regional office of Ecology to obtain a permit application form, or call at (\_\_\_\_) \_\_\_\_-\_\_\_\_ to have an application sent to you. The State may also initiate actions to notify users which may need a permit of requirements based upon the information returned in the survey questionnaires.

If you have any further questions call the undersigned at \_\_\_\_\_.

Sincerely,

[POTW Contact Signature Block]

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# **Appendix F - Part 2**

## **Example Industrial User Survey Questionnaire**

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## Survey of Nonresidential Establishments – Completion Required for Service

### SECTION A - GENERAL INFORMATION (Required for all customers)

1. Company Name: \_\_\_\_\_ 2. Telephone Number \_\_\_\_\_
3. Full Mailing Address \_\_\_\_\_ 4. Facility address \_\_\_\_\_  
of Business Offices: \_\_\_\_\_ (If different) \_\_\_\_\_  
\_\_\_\_\_
5. Name of environmental contact \_\_\_\_\_ Phone # \_\_\_\_\_ - \_\_\_\_\_  
(Person empowered by the authorized representative to represent the Company in dealings with the Sewer Authority and/or City, or responsible for the proper completion of this survey form.)
6. Primary business category: \_\_\_\_\_ Narrative description of the types of operations conducted. (Include any activities from which waste water is produced.)  
\_\_\_\_\_  
\_\_\_\_\_

7. Unified Business Identification Number (UBI#) \_\_\_\_\_

8. Applicable Standard Industrial Classification (SIC) Code(s) \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

9. Is any wastewater other than from domestic use of restrooms, showers, kitchens, or laundry rooms (excludes commercial services) discharged to either the sewer, a storm drain, or the ground?  Yes  No

10. IF THE ANSWER TO QUESTION 9 (ABOVE) IS NO, SIGN THE BELOW STATEMENT AND **STOP** HERE, otherwise complete the rest of the survey and *then* sign below. The survey cannot be accepted as complete until properly signed.

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

Signature of Authorized Representative\* \_\_\_\_\_ Date: \_\_\_\_\_

Name \_\_\_\_\_ Phone number ( \_\_\_\_\_ ) \_\_\_\_\_ - \_\_\_\_\_

\* Surveys must be signed as follows: Corporations, by a principal executive officer of at least the level of vice-president; partnership, by a general partner; sole proprietorship, by the proprietor, (ref 40 CFR 403.12(l))

DISCLOSURE: Title 40 of the Code of Federal Regulations Part 403 Section 403.14 requires information provided in this questionnaire identifying the nature and frequency of discharge to be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR part 2 and applicable State Law. Should a discharge permit be required for your facility, the information in this questionnaire may be used to issue the permit.

**INTERNAL USE:** Form Sent on \_\_\_\_\_ Received on \_\_\_\_\_ Form control # \_\_\_\_\_

**SECTION B - WATER USE AND DISCHARGE VOLUME INFORMATION**

1. This facility uses \_\_\_\_\_ gallons / day of water from the following sources:
- |                     |           |                                   |                                   |                                  |
|---------------------|-----------|-----------------------------------|-----------------------------------|----------------------------------|
| Reclaimed Water     | _____ gpd | <input type="checkbox"/> estimate | <input type="checkbox"/> measured | <input type="checkbox"/> metered |
| Public Water Supply | _____ gpd | <input type="checkbox"/> estimate | <input type="checkbox"/> measured | <input type="checkbox"/> metered |
| Private Well        | _____ gpd | <input type="checkbox"/> estimate | <input type="checkbox"/> measured | <input type="checkbox"/> metered |
| Surface Water       | _____ gpd | <input type="checkbox"/> estimate | <input type="checkbox"/> measured | <input type="checkbox"/> metered |

If applicable: Water Right Permit Number: \_\_\_\_\_  
 Legal Description: \_\_\_\_\_ 1/4S, \_\_\_\_\_ 1/4S, \_\_\_\_\_ Section, \_\_\_\_\_ TWN, \_\_\_\_\_ R

2. This facility uses this water for the following purposes:
- |                                     |              |                                   |                                   |
|-------------------------------------|--------------|-----------------------------------|-----------------------------------|
|                                     | Gallons/day: |                                   |                                   |
| A. Non-Commercial Domestic Uses     | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| B. Non-Contact Cooling water        | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| C. Boiler or Cooling Tower Blowdown | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| D. Contact Cooling Water            | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| E. Process Water                    | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| F. Equipment or Facility Washdown   | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| G. Air Pollution Control Unit       | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| H. Stormwater Runoff to Sewer       | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| I. Other: _____                     | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |

3. The wastewater generated is disposed of in the following ways:
- |  |              |                                   |                                   |
|--|--------------|-----------------------------------|-----------------------------------|
|  | Gallons/day: |                                   |                                   |
| A. Total of all flows to the sanitary sewer:                                 | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| B. Total of all flows to ground (drainfields, wetwell)                       | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| C. Total of all flows to storm sewers<br>(other than non-contact stormwater) | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| D. Total of all flows to open waters, rivers, ocean                          | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| E. Total of all flows taken by waste haulers                                 | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| F. Volume lost by evaporation on-site  | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |
| G. Other means of disposal: (list in Section H)                              | _____        | <input type="checkbox"/> estimate | <input type="checkbox"/> measured |

4. List all environmental permits held for this facility (i.e., Air, Hazardous Waste, Shoreline, NPDES) except for water supply (see question #1 of this page), and DW Identification number (see section H).

<u>Permit for:</u>	<u>Issued by:</u>	<u>Permit Number:</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. Is there an accidental spill prevention plan prepared for this facility:  YES  NO  
 6. Number of employee shifts worked per 24-hour day: \_\_\_\_\_  
 7. If more than one shift: List average number of employees per shift: \_\_\_\_\_  
 1. Starting times of each shift: 1st \_\_\_\_\_ am/pm 2nd \_\_\_\_\_ am/pm 3rd \_\_\_\_\_ am/pm

**SECTION C - PRODUCTION DATA**

\*\*\* ATTACH ADDITIONAL COPIES OF THIS PAGE FOR EACH SEPARATE WASTE STREAM \*\*\*

1. List the principal products produced: \_\_\_\_\_  
 \_\_\_\_\_

2. List all raw materials used (attach Material Safety Data Sheets if uncertain of technical names).

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3. List the incidental materials used or stored on site: (i.e. paints, solvents, cleaners, release agents, lubricants, greases, pigments, boiler additives, etc.)

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4. Production type:     Batch     Continuous     Both: \_\_\_% Batch / \_\_\_ % Continuous

5. Wastewater Discharge type:     Batch (frequency: \_\_\_\_/ \_\_\_\_ )     Continuous     Both

6. Hours of operation: \_\_\_\_\_ Days of operation per 30 day month: \_\_\_\_\_

7. Is product subject to seasonal variation     YES     NO    If yes, describe the seasonal production cycle to include the months of highest and lowest production and the rate of production during those months, and the projected average yearly rate of production:

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8. Are any process changes or expansions planned during the next three years?     YES     NO  
(If yes, describe below or on attached sheets the nature of planned changes or expansions.)

---

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**SECTION D: CATEGORICAL PROCESS INFORMATION** -- If your facility conducts activities or employs processes which fall into any of the below categories, place a check beside the category or business activity (check all the apply). You may call Ecology or the POTW for assistance or consult the listed Regulations for guidance.

<u>Industrial Category</u>	<u>40 CFR part</u>
<input type="checkbox"/> Aluminum Forming (Pr: 10/83).....	467
<input type="checkbox"/> Asbestos Manufacturing (Pr: 2/74) .....	427
<input type="checkbox"/> Battery Manufacturing (Pr: 3/83) ...	461
<input type="checkbox"/> Builder's Paper and Board Mills (Pr: 12/86) .....	431
<input type="checkbox"/> Carbon Black Manufacturing (Pr: 1/78).....	458
<input type="checkbox"/> Centralized Waste Treatment (to be final 6/96) .....	437
<input type="checkbox"/> Coil Coating and Canmaking (Pr: 12/82 & 11/83).....	465
<input type="checkbox"/> Copper Forming (Pr: 8/83).....	468
<input type="checkbox"/> Electrical and Electronic Components (Pr: 4/83) .....	469
<input type="checkbox"/> Electroplating (Pr: 1/81) .....	413
<input type="checkbox"/> Feedlots (Pr: 2/74).....	412

<input type="checkbox"/>	Ferroalloy Manufacturing (Pr: 7/86) .....	424
<input type="checkbox"/>	Fertilizer Manufacturing (Pr: 8/79) .....	418
<input type="checkbox"/>	Glass Manufacturing (Pr: 7/86) .....	426
<input type="checkbox"/>	Grain Mills (Pr: 7/86) .....	406
<input type="checkbox"/>	Ink Formulation (7/75) .....	447
<input type="checkbox"/>	Industrial Laundries** (NPRM 12/96, final 12/98) .....	441
<input type="checkbox"/>	Inorganic Chemicals (Pr: 6/82) .....	415
<input type="checkbox"/>	Iron and Steel Manufacturing (Pr: 5/82).....	420
<input type="checkbox"/>	Landfills and Incinerators** (NPRM 3/97, Final 3/99).....	437
<input type="checkbox"/>	Leather Tanning and Finishing (Pr: 11/82) .....	425
<input type="checkbox"/>	Metal Finishing (Pr: 7/83).....	433
<input type="checkbox"/>	Metal Molding and Casting (Pr: 10/85).....	464
<input type="checkbox"/>	Metal Products & Machinery Phase 1 .....	438
<input type="checkbox"/>	Metal Products and Machinery Phase 2 (NPRM 1/98) .....	438
<input type="checkbox"/>	Nonferrous Metals Forming and Metal Powders (Pr: 8/85) .....	471
<input type="checkbox"/>	Nonferrous metals Manufacturing (Pr: 6/84) .....	421
<input type="checkbox"/>	Organic Chemicals, Plastics, & Synthetic Fibers (Pr:11/87).....	414
<input type="checkbox"/>	Paint Formulation (Pr: 7/75).....	446
<input type="checkbox"/>	Paving and Roofing Materials (Pr: 7/75).....	443
<input type="checkbox"/>	Pesticide Formulation, Packaging, & Repackaging (NEW).....	455
<input type="checkbox"/>	Petroleum Refining (Pr: 10/82) .....	419
<input type="checkbox"/>	Pharmaceutical Manufacturing (Pr: 10/83 REVISED 2/96).....	439
<input type="checkbox"/>	Porcelain Enameling (Pr: 11/82) .....	466
<input type="checkbox"/>	Pulp, Paper, and Paperboard (NEW - 11/95?).....	430/431
<input type="checkbox"/>	Rubber Manufacturing (Pr: 2/74) .....	428
<input type="checkbox"/>	Soap and Detergent Manufacturing (Pr: 4/74) .....	417
<input type="checkbox"/>	Steam Electric Power Generating (Pr: 11/82, study 12/95).....	423
<input type="checkbox"/>	Sugar Processing (Pr: 7/86).....	409
<input type="checkbox"/>	Timber Products Processing (Pr: 1/81).....	429
<input type="checkbox"/>	Transportation Equipment Cleaning (NPRM 12/96) .....	442
<b>OTHER TYPICALLY SIGNIFICANT NON-CATEGORICAL BUSINESS ACTIVITIES:</b>		
<input type="checkbox"/>	Dairy Products	
<input type="checkbox"/>	Slaughter / Meat Packing / Rendering	
<input type="checkbox"/>	Food / Edible Products Processor including <input type="checkbox"/> Beverage Bottling or Brewery	

**SECTION E - PRETREATMENT DEVICES OR PROCESSES:**

Pretreatment is the elimination or reduction in the amount of pollutants discharged, or alteration to the nature of pollutant properties in the wastewater either before or instead of sending such pollutants to a POTW. This includes physical, chemical, or biological processes, process changes, or other means (except dilution, which is prohibited). Control equipment such as equalization tanks or facilities for protection against surges or slug loadings that might be incompatible with the POTW are also pretreatment devices to be identified.

Identify each discrete wastestream discharged below, and then write the number of the corresponding wastestream, (1,2,3, etc.) by all types of treatment performed on that waste stream.

**PART 1: LISTING OF DISCRETE WASTE STREAMS**

Wastestream (#):	Activities Generating the wastewater:	Flow:	Pollutants known or suspected present:
1.	_____	.....	_____
2.	_____	.....	_____
3.	_____	.....	_____

**PART 2: TREATMENT METHODS (Put number of wastestream by all types of treatment done)**

Physical:

- |   |  |
|---|--|
| <input type="checkbox"/> Spill protection devices i.e.: berms / dry sumps           | <input type="checkbox"/> Flow Equalization |
| <input type="checkbox"/> Oil-Water Separator i.e.: gravity / coalescing plate / API | <input type="checkbox"/> Screening         |
| <input type="checkbox"/> Physical fractioning i.e.: clarifiers or separators        | <input type="checkbox"/> Grease trap       |
| <input type="checkbox"/> Dissolved Air Floatation                                   | <input type="checkbox"/> Grit removal      |
| <input type="checkbox"/> Filtration i.e. filter cannisters, presses, or bags        | <input type="checkbox"/> Reverse Osmosis   |
| <input type="checkbox"/> Physical Sludge Dewatering i.e.: centrifuge or vacuum      | <input type="checkbox"/> Evaporation       |
| <input type="checkbox"/> Other physical treatment: _____                            |  |

Chemical:

- |   |  |
|---|--|
| <input type="checkbox"/> pH neutralization (to pH of ___ - ___)   | <input type="checkbox"/> Ion Exchange  |
| <input type="checkbox"/> Chemical Replacement Cartridge   | <input type="checkbox"/> Ozonation     |
| <input type="checkbox"/> Chlorination: (breakpoint chlorination or other)   | <input type="checkbox"/> Carbon Filter |
| <input type="checkbox"/> Chemical Precipitation (circle all used: coagulants / flocculants / co-precipitates / other) |  |
| <input type="checkbox"/> Other chemical treatment: _____  |  |

Biological:

- Type of biological treatment: \_\_\_\_\_

OTHER:

- |  |   |
|--|---|
| <input type="checkbox"/> Electrolytic metals reduction | <input type="checkbox"/> Electrolytic decomposition |
| <input type="checkbox"/> Other: _____                  |   |

Provide a narrative description of the treatment system: \_\_\_\_\_

\_\_\_\_\_

**SECTION F: POLLUTANT INFORMATION**

This section requests information on Priority Pollutants and other Pollutants of Concern. When more than one wastestream is discharged, identify the wastestream by writing the wastestream number (from section E) in the appropriate column (i.e. under "Known Present", "Suspect Present", "Known Absent", or "Believe Absent") .

1. Attached to this survey form is a list of all priority pollutants. LIST BELOW ALL PRIORITY POLLUTANTS KNOWN OR SUSPECTED TO BE PRESENT IN ANY WASTESTREAM AT ANY CONCENTRATION. Pay particular attention to the list of metals. Provide information on ALL priority pollutants where data was obtained from analysis of a representative sample using methods approved by 40 CFR part 136 . NOTE: Priority Pollutants not listed should be those the company suspects are absent.

PRIORITY POLLUTANT:	Known Present	Suspect Present	Known Absent	Sample Taken	Range of .....(mg/l) Measurements.....Average	Detection Limit
_____	_____	_____	_____	Y/N	_____ - _____.....	_____
_____	_____	_____	_____	Y/N	_____ - _____.....	_____
_____	_____	_____	_____	Y/N	_____ - _____.....	_____
_____	_____	_____	_____	Y/N	_____ - _____.....	_____
_____	_____	_____	_____	Y/N	_____ - _____.....	_____
_____	_____	_____	_____	Y/N	_____ - _____.....	_____
_____	_____	_____	_____	Y/N	_____ - _____.....	_____

(Attach additional sheets if necessary)

2. Provide available information on the below additional parameters of concern:

PARAMETER OF CONCERN:	Known Present	Suspect Present	Believed Absent	Known..... Absent .....	Range of Measurements	(mg/l) Average	Detection Limit
Fats, Oil, and Grease	_____	_____	_____	_____	_____ - _____	_____	_____
Ammonia - N	_____	_____	_____	_____	_____ - _____	_____	_____
Total-phosphate - P	_____	_____	_____	_____	_____ - _____	_____	_____
Total Chlorine Residual Chloride	_____	_____	_____	_____	_____ - _____	_____	_____
Total Sulfates	_____	_____	_____	_____	_____ - _____	_____	_____
Molybdenum	_____	_____	_____	_____	_____ - _____	_____	_____
pH (in Std Units)	_____	_____	_____	_____	_____ - _____	N/A	N/A
Conductivity (in micro-mho's - $\mu$ )	_____	_____	_____	_____	_____ - _____	N/A	_____
Total Dissolved Solids.....	_____	_____	_____	_____	_____ - _____	_____	_____
Total Suspended Solids ....	_____	_____	_____	_____	_____ - _____	_____	_____
BOD.....	_____	_____	_____	_____	_____ - _____	_____	_____
COD.....	_____	_____	_____	_____	_____ - _____	_____	_____
TKN - N.....	_____	_____	_____	_____	_____ - _____	_____	_____

**SECTION G - STORMWATER:**

1. Have you applied for a Washington State NPDES Storm Water General Permit?  Yes  No
2. Have you received notice of coverage under the Storm Water NPDES General Permit?  Yes  No

If yes, please list the permit number here: \_\_\_\_\_

[ **NOTE: If you answered "Yes" to questions 1 or 2 you may skip the remainder of this page.** ]

3. Do you have any storm water quality or quantity information?  Yes  No

4. Identify the total size of each type of area from which storm water runoff is expected or has occurred:

Unpaved areas \_\_\_\_\_ f<sup>2</sup>,  Paved areas \_\_\_\_\_ f<sup>2</sup>,  Other collection areas (i.e. roofs) \_\_\_\_\_ f<sup>2</sup>

5. Identify all the mechanisms through which storm water exits the facility:

- a.  Flowing to the sanitary sewer.
- b.  Flowing to a storm sewer system.
- c.  Flowing directly to surface waters such as a river, lake, creek, or ocean.
- d.  Flowing indirectly to surface waters by a ditch or over adjacent property.
- e.  Infiltration into the ground through a:  Dry well,  Drainfield, or  Other \_\_\_\_\_ .

6. Identify all of the following types of activities or facilities owned or managed in support of this business:

- a.  Manufacturing building(s)
  - b.  External assembly or manufacturing areas.
  - c.  Roads or rail lines where materials are handled
  - d.  Materials handling equipment storage areas
  - e.  Outside sanding, sandblasting or paint removal areas
  - f.  Vehicle maintenance and/or refueling facilities
  - g.  Outside materials handling, loading, or storage areas that are:  Covered and/or  Uncovered
  - h.  Waste treatment, storage, or disposal areas: ( Materials treated would otherwise be regulated wastes)
  - i.\*  Vehicle washing areas using:  Water,  High pressure,  Steam, and/or  Soaps or chemicals
  - j.\*  Other outdoor cleaning areas using:  Water,  High pressure,  Steam, and/or  Soaps or chemicals
- (\* If washing or cleaning is done outside, where does this wastewater go? \_\_\_\_\_)

7. Identify the types of materials handled or stored outdoors:

- a.  Solvents .....g.  Dangerous or Hazardous wastes
- b.  Scrap metal .....h.  Acids or alkalis
- c.  Pesticides, insecticides, fungicides.....i.  Paints or coating products
- d.  Plating solutions or products. ....j.  Woodtreating chemicals or products
- e.  Fuel, oil, or petrochemical products .....k.  Leachable materials (list: \_\_\_\_\_)

f.  Other chemicals which would be a "hazardous waste" if discarded (list: \_\_\_\_\_)

8. Identify the types of treatment or management practices currently employed for storm waters:

- a.  Oil/Water Separator (oils removal) .....g.  Detention system (discharge flow restriction)
- b.  Catch basins (solids settling) .....h.  Retention system (on-site containment)
- c.  Overhead Cover System .....i.  Infiltration system: Pond(s), Basin(s), or Drainfields
- d.  Spill Prevention Plan .....j.  Stormwater Pollution Prevention Plan
- e.  Vegetation Use & Management .....k.  Surface Leachate Collection
- f.  Polluted & clean water separation .....l.  Other: \_\_\_\_\_

9. Which stormwater facilities have an established maintenance cycle? \_\_\_\_\_

10. How often are paved areas swept? \_\_\_\_\_

**SECTION H: OTHER WASTE DISPOSAL OPTIONS USED:**

1. List any wastes discharged to the POTW which, if treated or otherwise disposed of, would be a "hazardous waste" under 40 CFR part 261, or a "dangerous waste" or "extremely hazardous waste" under Chapter 173-303 WAC: (This satisfies the notification requirement of 40 CFR 403.12(p) for discharges less than 100 kg per month to a POTW but Domestic Sewage Exclusion requirements of 173-303-070 WAC still apply)

Name -(40 CFR 261EPA Hazardous Waste # or Ch. 173-303 WAC) or State-Only Waste code	Type of discharge ..... (batch, continuous, etc.)	Quantity per Month: Discharged to POTW
--	--	---

_____	_____
_____	_____

2. Are any liquid wastes or sludges from this firm disposed of by means other than discharge to the sewer system?

- NO - skip the remainder of this section.
- YES - answer the following questions as best as possible:

3. These wastes may be described and quantified as: (quantify as pounds or gallons per day, month, or year)

<u>Quantity:</u> ...	<u>Type:</u> .....	<u>Quantity:</u>	<u>Type:</u>
_____	Acids and Alkalies..	_____	Heavy Metal Sludges
_____	Inks / Dyes .....	_____	Pretreatment Sludges
_____	Animal or Vegetable Oil and/or Grease.....	_____	Organic Compounds
_____	Petroleum Based Oils and/or Lubricants .....	_____	Paints
_____	Plating/anodizing Wastes.....	_____	Pesticides
_____	Hazardous Wastes (list below).....	_____	Solvents / Thinners

4. These wastes are handled in the following manners (check all that apply)

- On-site storage .....  Off-site storage
- On-site disposal.....  Off-site disposal

5. If wastes are hauled off-site, the hauler is:  Company employee  Contracted service  Both

6. Waste (describe): \_\_\_\_\_ is hauled to: \_\_\_\_\_  
Waste (describe): \_\_\_\_\_ is hauled to: \_\_\_\_\_

Waste (describe): \_\_\_\_\_ is hauled to: \_\_\_\_\_

7. Do you maintain manifests of wastes hauled from the facility?  Yes  No

8. Have any of the above wastes been "designated" according to Chapter 173-303 WAC?  Yes  No

9. Do you have a "dangerous waste" identification number?  Yes: I.D. number \_\_\_\_\_,  No

10. Describe any other methods of disposing of "dangerous wastes" (other than identified above): \_\_\_\_\_

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**Appendix G**  
**State Waste Discharge Permit Application**

(for surveying potential SIUs)