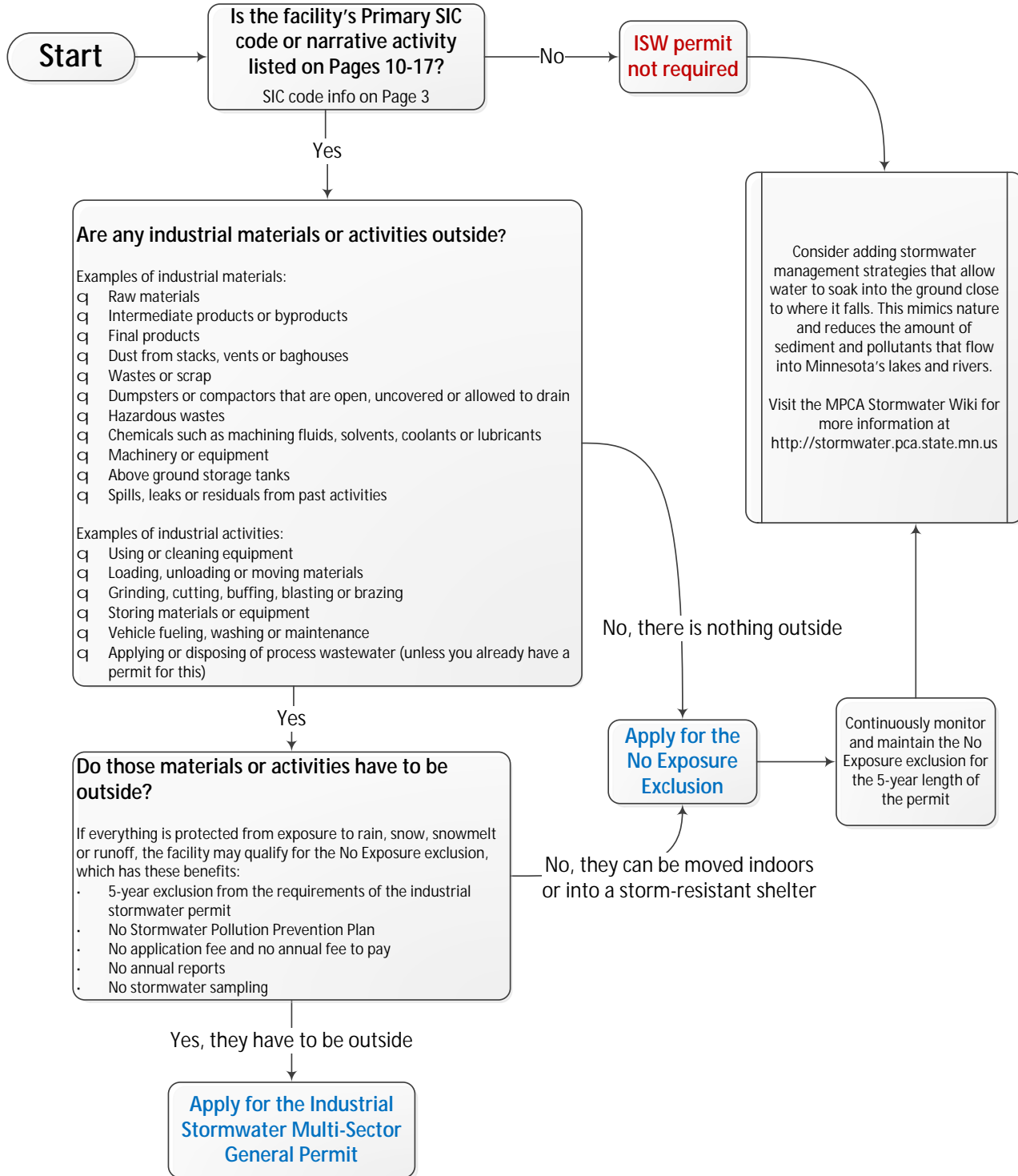




# Does my facility need an industrial stormwater permit?



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## Introduction

This fact sheet addresses how to determine a facility's primary Standard Industrial Classification code (SIC code) or narrative activity and related common questions.

The questions and answers in this fact sheet are based on Minnesota's Questions and Answers, developed with the U.S. Environmental Protection Agency (EPA) to clarify EPA document "National Pollutant Discharge Elimination System (NPDES) Storm Water Program Questions and Answers, [Vol. 1](#) and [Vol. 2](#)."

### Q1 How do I know if my facility needs an industrial stormwater permit?

The MPCA's industrial stormwater permit lists the industries that need a permit. They are listed by SIC code or are explained in a narrative in *Appendix D* (page 148) of the [permit](#). Listed industries must get a permit or certify that nothing is exposed to stormwater.

For convenience, the regulated primary SIC codes and descriptions of narrative activities are reprinted at the end of this fact sheet starting on page 10.

### Q2 What is a SIC code?

SIC codes are a way of classifying industries by 4-digit codes. It is a descriptor of the kind of work being done at a facility, not a number specifically assigned to the facility like a tax ID. Facilities can have several SIC codes but only one Primary SIC code.

The IRS uses SIC codes, so your tax paperwork or accountant may already have the facility's SIC code. Look on these federal tax forms:

- Schedule C or C-EZ for Sole Proprietors
- Form 1065 for Partners
- Form 1120 for C Corporations
- Form 1120-S for S Corporations

A searchable database of the SIC Codes is available at <https://www.osha.gov/pls/imis/sicsearch.html>.

Example: A company manufactures metal washers and hinges. Searching for the word "washers" on the linked OSHA website returns a few options. One of them – SIC 3452: Bolts, Nuts, Screws, Rivets and Washers – covers the washers, but not the hinges. Searching for "hinges" returns SIC 3429: Hardware Not Elsewhere Classified. Although hinges aren't mentioned in the title for SIC 3429, they are specifically listed in the description. Be sure to read the descriptions because they frequently offer the SIC codes for related activities.

### Q3 What is a Primary SIC code?

If a facility has more than one SIC code, the activity that generates the greatest revenue is the Primary SIC code. If revenue information is unavailable, use the SIC code for the activity with the most employees. If employee information is also unavailable, use the SIC code for the activity with the greatest production.

### Q4 Does a facility need more than one stormwater permit if it has more than one SIC code?

No, only one permit or No Exposure certification is required; it will address all the operations at the facility.

### Q5 My facility's Primary SIC code isn't listed. Do I need a permit?

If the facility fits one of the listed narrative activities, a permit or No Exposure certification is required regardless of whether or not the facility's Primary SIC code is listed. But if the facility isn't described by a listed narrative activity and its Primary SIC code isn't listed, a permit isn't required even if a Secondary SIC code is listed. See Table 1.

## Q6 Do I have to consider my other SIC codes if I get the permit?

Yes, when the facility applies for the permit, list the Secondary SIC codes in the application. Comply with the sector requirements for the all the SIC codes at the facility and any narrative activities.

## Q7 What are “narrative activities”?

Certain industries are easier to define by explaining what they do in a narrative paragraph. They are listed as narrative activities.

If a facility fits any of the listed narrative activities, whether for Primary or Secondary operations, it must get an industrial stormwater permit or the No Exposure exclusion.

**Table 1: Summary of when a permit is required, based on SIC codes and narrative activity**

	Is the facility's industry type listed?			What to do
	Primary SIC code	Secondary SIC code	Narrative activity	
Scenario 1	Listed	Listed or not	Listed or not	Apply for permit or certify No Exposure
Scenario 2	Not listed	Listed	Not listed	No stormwater permit required
Scenario 3	Listed or not	Listed or not	Listed	Apply for permit or certify No Exposure

## Q8 What can my facility store outside and still qualify for No Exposure?

There are a few things a facility can have outside and still qualify for the No Exposure exclusion:

- properly maintained vehicles, such as forklifts, industrial vehicles or delivery trucks
- dumpsters that are in good condition, covered and not allowed to drain
- materials that do not contaminate stormwater, such as products that are designed to be used outside, pallets in good condition or used tires
- office buildings, employee parking lots and employees' personal vehicles
- Containers and tanks that are sealed and free from deterioration. They cannot have any taps or valves, because those could result in drips or leaks.

More information is in the MPCA stormwater factsheet #wq-strm3-13, "[No Exposure: Qualifying for and maintaining the exclusion.](#)"

## Q9 What is a storm-resistant shelter?

A storm-resistant shelter can be:

- a completely roofed and walled building
- a structure with only a top cover but no side walls, as long as stormwater cannot flow through the structure and rain or snow that are blown in by the wind are prevented from running out, such as by a curb or berm

## Q10 What if my facility has a different water permit?

### Wastewater discharge permit

If a facility has a wastewater discharge permit that already includes stormwater requirements, a separate industrial stormwater permit is not required.

See Question 19 for wastewater treatment facility information.

## Sand and gravel, stone, concrete and hot mix asphalt

Certain sand and gravel, stone, concrete and hot mix asphalt facilities qualify for the nonmetallic mining water permit. The MNG49 permit includes industrial stormwater requirements and has the advantage of covering multiple locations and portable plants under one permit. If a facility has MNG49 and all industrial activities at the facility are addressed in the permit, the facility does not need the industrial stormwater permit.

However, if a facility has MNG49 and there are industrial activities with a listed SIC code or narrative activity that are not addressed in MNG49 (such as local trucking or a landfill), the facility must add an industrial stormwater permit for the location or part of the location that has these additional activities.

For more information or to find out if a facility qualifies for MNG49, see the MPCA's Nonmetallic Mining and Associated Activities water permit web page at <http://www.pca.state.mn.us/iryp90f>. Be careful not to confuse it with the air quality permit that has a similar name.

## Q11 Do auxiliary operations need a permit?

**On-site:** On-site auxiliary operations, such as warehouses or vehicle maintenance shops, are considered Secondary SIC code activities. As discussed above in the section about SIC codes, a facility only needs a permit if the Primary SIC code or narrative activity is listed. If it is listed, get the permit and comply with the sector requirements for primary activities, auxiliary/secondary activities and any narrative activities, or certify for No Exposure.

**Off-site:** For off-site auxiliary operations, first determine whether industrial activities at the off-site facility have a listed Primary SIC code or narrative activity:

- If so, an industrial stormwater permit or No Exposure exclusion is required for the off-site facility.
- If the off-site facility does not have a listed Primary SIC code or narrative activity, the off-site facility takes on the SIC code or narrative activity of the facility it supports. If industrial activities at the main facility have a listed Primary SIC code or narrative activity, separate industrial stormwater permits or No Exposure exclusions are required for the off-site facility and the main facility.
- If neither facility has a listed Primary SIC code or narrative activity, neither facility needs a permit or No exposure certification.

## Research and development

Pilot plants and research and development (R&D) facilities follow a similar decision process as other auxiliary operations:

- If a pilot plant or research R&D facility is described by a listed Primary SIC code, it must get an industrial stormwater permit or No Exposure exclusion.
- If an on-site pilot plant or R&D facility is located at a facility that is required to have a permit, so does the pilot plant or R&D facility.
- If an off-site pilot plant or R&D facility doesn't have a listed Primary SIC code or narrative activity, it takes on the SIC code or narrative activity of the facility it supports. If the main facility is required to have a permit, so does the pilot plant or R&D facility. The pilot plant or R&D facility must have its own permit and follow the sector requirements of the facility it supports, or certify for No Exposure.
- If the R&D facility isn't listed and the main facility isn't listed, neither location needs an industrial stormwater permit or No Exposure certification.

Facilities primarily engaged in commercial physical and biological R&D on a contract or fee business are described by the Primary SIC code 8731. These facilities are not required to have an industrial stormwater permit or No Exposure certification.

## Warehouses

Warehousing businesses that fit into one of the listed warehousing SIC codes (SIC 422x) must have a permit or certify for No Exposure. Warehouses located on-site at a facility that has a listed primary SIC code or narrative activity are included in that facility's permit. Follow the sector requirements in the permit for *Sector P – Land Transportation and Warehousing* for the warehouses.

Off-site warehouses of preassembly parts or finished products are not required to have a permit unless they are specifically a warehouse business described by a warehouse SIC code (SIC 422x).

## Q12 How is vehicle maintenance regulated?

Vehicle maintenance facilities follow a similar decision process as auxiliary operations unless they are associated with transportation facilities, which is discussed in more detail in the next section.

Independently-operated vehicle maintenance shops are usually described by Primary SIC codes 75xx or 7699. Neither of those SIC codes are listed, so facilities that fit those descriptions do not need an industrial stormwater permit or No Exposure certification.

For vehicle maintenance shops that provide support to a non-transportation facility:

- An on-site vehicle maintenance shop supporting a facility that has an industrial stormwater permit is covered by the main facility's permit.
- An off-site vehicle maintenance shop supporting a facility that requires an industrial stormwater permit takes on the SIC code and sector requirements of the main facility. Both facilities require permits or No Exposure certification.
- An off-site vehicle maintenance shop supporting a facility that is not required to have a permit does not need a permit or No Exposure certification.

Minnesota considers water from truck washing operations to be wastewater, not stormwater. Washwater cannot be discharged with stormwater.

## Vehicle maintenance for transportation facilities

More information is in MPCA stormwater fact sheet #wq-strm3-32, "[Guidance on the Industrial Stormwater Permit for Transportation Sectors.](#)"

### No Exposure

The No Exposure certification will be difficult to qualify for and maintain at a transportation facility, even if all vehicle maintenance and equipment cleaning is done indoors. Vehicle fueling is a common source of pollutants. Vehicles waiting for maintenance at transportation facilities are unlikely to be in good condition, resulting in potential exposure of pollutants to stormwater. Outdoor storage of materials used in vehicle maintenance or equipment cleaning are common and can contribute pollutants to stormwater. Particulate matter or residuals from roof stacks or vents that are not otherwise regulated (such as by an air quality permit) and are evident in stormwater are also considered a violation of No Exposure.

### On-site activities

Vehicle maintenance shops, equipment cleaning facilities and airport de-icing operations located at a facility in one of the transportation categories (Sectors P, Q, R and S) are regulated by the industrial stormwater permit. However, the permit requirements apply only to the areas where vehicle maintenance, equipment cleaning or airport de-icing are being done. If a transportation facility is not doing vehicle maintenance, equipment cleaning or airport deicing, the facility does not need an industrial stormwater permit or No Exposure certification.

Follow Sector P requirements of the permit for local or long distance trucking maintenance or fueling located at a facility with a listed Primary SIC code.

**Exception:** Facilities with Primary SIC codes 4221-4225 (warehousing) must have an industrial stormwater permit or certify for No Exposure regardless of whether vehicle maintenance shops, equipment cleaning facilities and airport de-icing operations are present.

## Off-site activities

EPA has determined that most off-site vehicle maintenance facilities are supporting establishments that take on the SIC code of the facility they support. This means facilities that provide local trucking maintenance, fueling or washing take on the SIC code of the facility they support. If the main facility is required to have a permit, so does the off-site facility. The off-site facility takes on the sector requirements of the main facility.

**Exception:** Industrial stormwater permits or No Exposure exclusions are always required for vehicle maintenance associated long distance trucking, stevedoring (4491) and water transportation (44xx). As noted above, qualifying for the No Exposure certification will be difficult.

## School bus maintenance facilities

The SIC code description for school bus transportation (SIC code 4151) excludes operations that are owned or run by a school district; these are instead covered under SIC code 8211, which is not a listed SIC code. This means school bus maintenance facilities that are owned or operated by a municipality or school district are not required to have an industrial stormwater permit or No Exposure certification.

However, private-contract school bus services (SIC code 4151) must have an industrial stormwater permit or certify for No Exposure. As noted above, qualifying for the No Exposure certification will be difficult.

## Q13 Are tank farms regulated?

Tank farms need an industrial stormwater permit if stormwater from the tank farm mixes with stormwater from a vehicle maintenance shop or equipment cleaning operation. Tank farms at petroleum bulk storage stations (SIC code 5171) that don't have vehicle maintenance or equipment cleaning operations are exempted and do not need an industrial stormwater permit.

If the tank farm is located at a facility that has a listed Primary SIC code, the tank farm is considered a secondary activity and is included in the main facility's permit.

More information is in MPCA stormwater fact sheet #wq-strm3-32, "[Guidance on the Industrial Stormwater Permit for Transportation Sectors.](#)"

## Q14 Are grain elevators regulated?

Facilities that only warehouse or store farm products are described by Primary SIC code 4221 and must have an industrial stormwater permit or certify No Exposure.

Grain elevators described by Primary SIC code 5153 do not need an industrial stormwater permit or No Exposure certification. They include elevators buying or marketing grain or beans, country grain elevators buying or receiving grain or beans from farmers and terminal elevators and other merchants marketing grain or beans.

## Q15 Are wood mulch or animal bedding manufacturers regulated?

Wood mulch or animal bedding manufacturing are described by one of three listed SIC codes:

- SIC 2421 – General Sawmills and Planing Mills
- SIC 2429 – Special Product Sawmills Not Elsewhere Classified
- SIC 2499 – Wood Products Not Elsewhere Classified

Facilities with any of these Primary SIC codes are regulated by the industrial stormwater permit.

## Q16 Are military facilities regulated?

The overarching SIC code 9711 (national security) does not apply to industrial activities at a military facility. Each industrial activity on a military base or state reserve facility such as National Guard is considered to be a stand-alone industrial activity. EPA requires a separate permit or No Exposure exclusion for each listed industrial activity. This is unique to federal military facilities.

Section 313A of the Clean Water Act states that federal facilities "shall be subject to, and comply with, all federal, state, interstate, and local requirements... respecting the control and abatement of water pollution in the same manner, and to the same extent as any nongovernmental entity including the payment of reasonable service charges."

## Q17 Are municipal or government facilities (non-military) regulated?

State and local municipal facilities follow the same decision-making process as any industrial facility. Start by determining the Primary SIC code and then evaluate on-site secondary and off-site auxiliary activities.

Publicly-owned government facilities usually are described by Primary SIC code 9199 – General Government, because the greatest revenue source and number of employees are from government administration. SIC code 9199 is not a listed SIC code so an industrial stormwater permit or No Exposure certification is not required. Common industrial activities such as police cars, fire trucks and snow plows are covered by SIC codes 9221, 9224 and 9229; dump trucks and heavy equipment used for construction are covered by SIC codes 1611-1629. None of these activities have listed SIC codes or narrative activities so an industrial stormwater permit or No Exposure certification is not required. This also means that secondary activities at these facilities, such as a Sector N recycling center or a warehouse, do not trigger the need for a permit or No Exposure certification. Off-site vehicle maintenance facilities supporting these SIC codes do not need the permit or No Exposure certification.

A vehicle maintenance facility located on-site at a municipal waste water treatment plant or landfill, which are listed narrative activities and require an industrial stormwater permit, is covered by the main facility's permit.

A separately located recycling center needs an industrial stormwater permit or No Exposure certification; it is not considered to be auxiliary.

Question 20 lists municipal solid waste activities that do not need an industrial stormwater permit or No Exposure certification.

## Q18 Are colleges and universities regulated?

Schools follow the same decision-making process as any industrial facility. Start by determining the primary SIC code and then evaluate on-site secondary and off-site auxiliary activities.

### Schools without narrative activities

Public or private universities described by primary SIC code 8221 (Colleges, Universities and Professional Schools) that do not have on-site narrative activities are not required to have an industrial stormwater permit or No Exposure certification. On-site secondary activities with listed SIC codes do not trigger the need for a permit or No Exposure certification. Off-site auxiliary activities such as warehouses or vehicle maintenance shops are not required to have a permit or No Exposure certification.

### Schools with narrative activities

Public or private university campuses with a narrative activity are required to have an industrial stormwater permit and follow the requirements for the narrative activity's sector. All industrial activities at the main campus are covered by the permit, including warehouses, vehicle and equipment maintenance facilities, printing presses and recycling centers. Off-site industrial activities supporting the main campus take on the narrative activity and are required to have the permit or No Exposure certification. The main campus and the supporting facility each need their own permit or No Exposure certification. Both follow the requirements of the narrative activity's sector. A separately located warehouse does not need the permit or No Exposure certification (see section on warehouses for more information).



## Schools with off-site listed or narrative activities

An off-site, university-run facility described by a listed Primary SIC code must have an industrial stormwater permit or No Exposure certification. Common examples are off-site, university-run printing presses or recycling centers. They are described by listed Primary SIC codes 27xx and 5093, respectively, and therefore must get a permit or No Exposure certification. The main campus does not need an industrial stormwater permit or No Exposure certification.

An off-site, university-run facility described by a narrative activity must have an industrial stormwater permit or No Exposure certification. If auxiliary activities are conducted at the off-site facility, all of these activities are covered by the permit. The main campus is not required to apply for an industrial stormwater permit or No Exposure certification.

## Q19 Are wastewater treatment facilities regulated?

Most wastewater treatment plants are described by the Sector T narrative activity and therefore must have an industrial stormwater permit.

Vehicle or equipment maintenance associated with a wastewater treatment facility (for example, to haul sewage sludge or to move equipment from the maintenance facility to the treatment plant), whether on-site or off-site, takes on the classification of the main facility and is required to have an industrial stormwater permit if the facility does. If the maintenance facility serves multiple wastewater treatment authorities, it is required to have an industrial stormwater permit.

Wastewater treatment facilities that collect their stormwater runoff and treat the stormwater as part of the normal inflow processed through the treatment plant are not required to have an industrial stormwater permit or No Exposure certification. Stormwater mixed with wastewater becomes wastewater and is addressed by the NPDES wastewater permit for the facility.

Off-site areas where sludge (biosolid) is beneficially reused do not need an industrial stormwater permit or No Exposure certification. For the purposes of the industrial stormwater permit, beneficial reuse of sludge is the application of sludge as a nutrient builder or soil conditioner. It can include agricultural or domestic application.

Off-site pumping stations do not need an industrial stormwater permit or No Exposure certification.

## Q20 Which solid waste facilities are exempted?

An industrial stormwater permit or No Exposure certification is not required for solid waste facilities that are exempted from solid waste permitting, or, are granted a solid waste permit without applying for it by Minn. R. 7001.3050, subp.2 and subp.3. This includes the following:

1. Backyard compost sites.
2. Yard waste compost facilities that are in compliance with Minn. R. 7035.2836, subp. 2 and 3.
3. Temporary community cleanup events such as household hazardous waste collection events, provided:
  - the event is sponsored or approved by the municipality
  - the event is open to residents of the community
  - the event occurs no more than twice a year
  - the event, including removal of the wastes, lasts no more than seven days
4. Solid waste transfer facilities that accept waste directly from individual residents who self-haul, provided:
  - the county where the facility is located has determined the facility is necessary due to limited availability of solid waste collection services
  - no more than 40 cubic yards of waste are stored on site at any given time
  - no more than 40 cubic yards of waste are managed on site per day
  - All waste is managed and stored in containers or roll-off boxes constructed of impervious material; and,

- removal of waste occurs when the capacity of the container is reached or more often as necessary to prevent nuisance conditions
5. Transfer facilities that move from location to location and receive solid waste directly from other vehicles for consolidation, provided they are not located in an area for more than 12 hours, all waste is delivered vehicle to vehicle and is not dumped and reloaded.
  6. Transfer facilities where all waste is managed and stored in containers or roll-off boxes constructed of impervious material or in a fully enclosed building that meet the standards in Minn. R. 7035.2870, subp. 3 or subp. 4, provided that in either case the facility is in compliance with the requirements of Minn. R. 7001.3050, subp.3, item A.
  7. Beneficial use of solid waste and storage of a solid waste prior to its beneficial use done according to Minn. R. 7035.2855 and 7035.2860.
  8. Demonstration or research projects authorized by Minn. R. 7035.0450.
  9. Disposal of solid waste on the same property where it was discovered if review, investigation and oversight is conducted under Minn. Stat. § 115B.17, subd. 14 and response actions are conducted in accordance with a plan approved under Minn. Stat. § 115B.175.
  10. Demolition debris land disposal facilities that are designed for less than 15,000 cubic yards total capacity, operate less than a total of 12 consecutive months, are not located adjacent to another demolition debris permit-by-rule facility and are in compliance with Minn. R. 7035.2525 to 7035.2655, 7035.2825 and 7035.2855.

## Q21 Are facilities with effluent limits or performance standards regulated?

The following facilities are required to have an industrial stormwater permit or certify for No Exposure:

- facilities with air emission new source performance standards
- facilities with wastewater toxic pollutant effluent standards
- facilities with stormwater effluent limits

## Standard Industrial Classification (SIC) codes and narrative activities list

### SIC codes

#### Sector A: Timber products

2411 Logging  
 2421 Sawmills and planing mills-general  
 2426 Hardwood dimension and flooring mills  
 2429 Special products sawmills, NEC  
 2431 Millwork  
 2435 Hardwood veneer and plywood  
 2436 Softwood veneer and plywood  
 2439 Structural wood members, NEC  
 2441 Nailed and lock corner wood boxes and shook  
 2448 Wood pallets and skids  
 2449 Wood containers, NEC  
 2451 Mobile homes  
 2452 Prefabricated wood buildings and components  
 2491 Wood preserving  
 2493 Reconstituted wood products  
 2499 Wood products, NEC

#### Sector B: Paper and allied products manufacturing

2611 Pulp mills  
 2621 Paper mills  
 2631 Paperboard mills  
 2652 Setup paperboard boxes  
 2653 Corrugated and solid fiber boxes  
 2655 Fiber cans, tubes, drums, and similar products  
 2656 Sanitary food containers (except folding)  
 2657 Folding paperboard boxes, including sanitary  
 2671 Packaging paper and plastics film (coated and laminated)  
 2672 Coated and laminated paper, NEC  
 2673 Plastics, foil and coated paper bags  
 2674 Uncoated paper and multiwall bags  
 2675 Die-cut paper, paperboard, and cardboard  
 2676 Sanitary paper products  
 2677 Envelopes  
 2678 Stationary, tablets, and related products  
 2679 Converted paper and paperboard products, NEC

## **Sector C: Chemical and allied products manufacturing**

2812 Alkalies and chlorine  
2813 Industrial gases  
2816 Inorganic pigments  
2819 Industrial inorganic pigments, NEC  
2821 Plastic materials, synthetic resins and elastomers  
2822 Synthetic rubber (vulcanizable elastomers)  
2823 Cellulosic manmade fibers  
2824 Manmade organic fibers, except cellulosic  
2833 Medicinal chemicals and botanical products  
2834 Pharmaceutical preparations  
2835 In vitro and in vivo diagnostic substances  
2836 Biological products (except diagnostic substances)  
2841 Soap and other detergents, except specialty cleaning  
2842 Specialty cleaning, polishing and sanitation preparations  
2843 Surface active agents, finishing agents and sulfonated oils  
2844 Perfumes, cosmetics and other toilet preparations  
2851 Paints, varnishes, lacquers, enamels and allied products  
2861 Gum and wood chemicals  
2865 Cyclic organic crudes and intermediates and organic dyes  
2869 Industrial organic chemicals, NEC  
2873 Nitrogenous fertilizers  
2874 Phosphatic fertilizers  
2875 Fertilizers, mixing only  
2879 Pesticides and agricultural chemicals, NEC  
2891 Adhesives and sealants  
2892 Explosives  
2893 Printing ink  
2895 Carbon black  
2899 Chemicals and chemical preparations, NEC  
3952 Lead pencils, crayons and artists' materials

## **Sector D: Asphalt paving and roofing materials and lubricant manufacturing**

2951 Asphalt paving mixtures and blocks  
2952 Asphalt felts and coatings  
2992 Lubricating oils and greases  
2999 Petroleum and coal products, NEC

## **Sector E: Glass, clay, cement, concrete, and gypsum products**

3211 Flat glass  
3221 Glass containers  
3229 Pressed and blown glass and glassware

3231 Glass products, made of purchased glass  
3241 Hydraulic cement  
3251 Brick and structural clay tile  
3253 Ceramic wall and floor tile  
3255 Clay refractories  
3259 Structural clay products, NEC  
3261 Vitreous china plumbing fixtures and bathroom fittings  
3262 Vitreous china table and kitchen articles  
3263 Fine earthenware (whiteware) table and kitchen articles  
3264 Porcelain electrical supplies  
3269 Pottery products, NEC  
3271 Concrete block and brick  
3272 Concrete products, except block and brick  
3273 Ready-mixed concrete  
3274 Lime  
3275 Gypsum products  
3281 Cut stone and stone products  
3291 Abrasive products  
3295 Ground or otherwise treated minerals and earths  
3296 Mineral wool  
3297 Nonclay refractories  
3299 Nonmetallic mineral products, NEC

## **Sector F: Primary metals**

3312 Steel works, blast furnaces (including coke ovens) and rolling mills  
3313 Electrometallurgical products, except steel  
3315 Steel wiredrawing, nails, and spikes  
3316 Cold-rolled steel sheet, strip and bars  
3317 Steel pipe and tubes  
3321 Gray and ductile iron foundries  
3322 Malleable iron foundries  
3324 Steel investment foundries  
3325 Steel foundries, NEC  
3331 Primary copper smelting and refining  
3334 Primary aluminum production  
3339 Primary nonferrous metals smelting and refining, NEC  
3341 Secondary nonferrous metals smelting and refining  
3351 Copper rolling, drawing and extruding  
3353 Aluminum sheet, plate and foil  
3354 Aluminum extruded products  
3355 Aluminum rolling and drawing, NEC  
3356 Nonferrous metals rolling, drawing, and extruding, NEC  
3357 Nonferrous wire drawing and insulating  
3363 Aluminum die-castings  
3364 Nonferrous die-castings, except aluminum  
3365 Aluminum foundries

3366 Copper foundries  
3369 Nonferrous foundries, except aluminum and copper  
3398 Metal heat treating  
3399 Primary metal products, NEC

**Sector G: Metal mining (ore mining and dressing)**

1011 Iron ores  
1021 Copper ores  
1031 Lead and zinc ores  
1041 Gold ores  
1044 Silver ores  
1061 Ferroalloy ores (except vanadium)  
1081 Metal mining services  
1094 Uranium-radium-vanadium ores  
1099 Miscellaneous metal ores, not elsewhere classified, NEC

**Sector H: Coal mines and coal mining-related facilities**

1221 Bituminous coal and lignite surface mining  
1222 Bituminous coal underground mining  
1231 Anthracite mining  
1241 Coal mining services

**Sector I: Oil and gas extraction and refining**

1311 Crude petroleum and natural gas  
1321 Natural gas liquids  
1381 Oil and gas well drilling  
1382 Oil and gas field exploration services  
1389 Oil and gas field services, NEC  
2911 Petroleum refining

**Sector J: Mineral mining and dressing**

1411 Dimension stone  
1422 Crushed and broken limestone  
1423 Crushed and broken granite  
1429 Crushed and broken stone, NEC  
1442 Construction sand and gravel  
1446 Industrial sand  
1455 Kaolin and ball clay  
1459 Clay, ceramic and refractory minerals, NEC  
1474 Potash, soda and borate minerals  
1475 Phosphate rock  
1479 Chemical and fertilizer minerals mining, NEC  
1481 Nonmetallic minerals services  
1499 Miscellaneous nonmetallic minerals, except fuels

**Sector K: Hazardous waste treatment, storage, or disposal facilities - See Narrative Activities list**

**Sector L: Landfills and land application sites - See Narrative Activities list**

**Sector M: Automobile salvage yards**

5015 Used motor vehicle parts

**Sector N: Scrap recycling and waste recycling facilities**

5093 Scrap and waste materials

**Sector O: Steam electric generating facilities – See Narrative Activities list**

**Sector P: Land transportation and warehousing**

4011 Line-haul railroad operation  
4013 Railroad switching and terminal establishments  
4111 Local and suburban transit  
4119 Local passenger transportation, NEC  
4121 Taxicab service  
4131 Intercity and rural bus transportation  
4141 Local bus charter service  
4142 Bus charter service, except local  
4151 School bus operation  
4173 Terminal and service facilities for passenger transportation  
4212 Local trucking without storage  
4213 Trucking, except local  
4214 Local trucking with storage  
4215 Courier service, except by air  
4221 Farm product warehousing and storage  
4222 Refrigerated warehousing and storage  
4225 General warehousing and storage  
4226 Special warehousing and storage, NEC  
4231 Trucking terminal and maintenance facilities  
4311 United States Postal Service  
5171 Petroleum bulk stations and terminals

**Sector Q: Water transportation**

4412 Deep sea foreign freight transportation  
4424 Deep sea domestic freight transportation  
4432 Freight transportation on the Great Lakes/Saint Lawrence Seaway  
4449 Water freight transportation, NEC  
4481 Deep sea passenger transportation, NEC  
4482 Ferry operation  
4489 Water passenger operation, NEC  
4491 Marine cargo handling  
4492 Towing and tugboat services  
4493 Marina operation  
4499 Water transportation services, NEC

**Sector R: Ship and boat building and repair yards**

3731 Ship building and repairing  
3732 Boat building and repairing

### **Sector S: Air transportation**

4512 Scheduled air transportation  
4513 Air courier services  
4522 Nonscheduled air transportation  
4581 Airports, flying fields, and airport terminal services

**Sector T: Treatment Works** - See Narrative Activities list

### **Sector U: Food and kindred products**

2011 Meat packing plants  
2013 Sausages and other prepared meat products  
2015 Poultry slaughtering and processing  
2021 Creamery butter  
2022 Natural, processed and imitation cheese  
2023 Dry, condensed and evaporated dairy products  
2024 Ice cream and frozen desserts  
2026 Fluid milk  
2032 Canned specialties  
2033 Canned fruits, vegetables, preserves, jams and jellies  
2034 Dried and dehydrated fruits, vegetables and soup mix  
2035 Pickled fruits and vegetables, sauces, seasonings, and salad dressings  
2037 Frozen fruits, fruit juices, and vegetables  
2038 Frozen specialties, NEC  
2041 Flour and other grain mill products  
2043 Cereal breakfast foods  
2044 Rice milling  
2045 Prepared flour mixes and doughs  
2046 Wet corn milling  
2047 Dog and cat food  
2048 Prepared animal and fowl feeds (except dog and cat food)  
2051 Bread and other bakery products (except cookies and crackers)  
2052 Cookies and crackers  
2053 Frozen bakery products (except bread)  
2061 Cane sugar (except refining)  
2062 Cane sugar refining  
2063 Beet sugar  
2064 Candy and other confectionary products  
2066 Chocolate and other cocoa products  
2067 Chewing gum  
2068 Salted and roasted nuts and seeds  
2074 Cottonseed oil mills  
2075 Soybean oil mills  
2076 Vegetable oil mills, except corn, cottonseed

and soybean  
2077 Animal and marine fats and oils  
2079 Shortening, margarine, and other fats and oils, NEC  
2082 Malt beverages  
2083 Malt  
2084 Wines, brandy and brandy spirits  
2085 Distilled and blended liquors  
2086 Bottled and canned soft drinks and carbonated waters  
2087 Flavoring extracts and flavoring syrups, NEC  
2091 Canned and cured fish and seafoods  
2092 Prepared fresh or frozen fish and seafoods  
2095 Roasted coffee  
2096 Potato chips, corn chips, and similar snacks  
2097 Manufactured ice  
2098 Macaroni, spaghetti, vermicelli and noodles  
2099 Food preparations, NEC  
2111 Cigarettes  
2121 Cigars  
2131 Chewing and smoking tobacco and snuff  
2141 Tobacco stemming and redrying

### **Sector V: Textile Mills, Apparel, and Other Fabric Products Manufacturing**

2211 Broadwoven cotton mills  
2221 Broadwoven manmade fiber and silk mills  
2231 Broadwoven wool mills  
2241 Narrow cotton, wool, silk, and manmade fiber mills  
2251 Women's full-length and knee-length hosiery (except socks)  
2252 Hosiery, NEC  
2253 Knit outerwear mills  
2254 Knit underwear and nightwear mills  
2257 Weft knit fabric mills  
2258 Lace and warp knit fabric mills  
2259 Knitting mills, NEC  
2261 Broadwoven cotton finishing plants  
  
2262 Broadwoven manmade fiber and silk finishing plants  
2269 Textile finishing plants, NEC  
2273 Carpets and rugs  
2281 Yarn spinning mills  
2282 Yarn texturizing, throwing, twisting, and winding mills  
2284 Thread mills  
2295 Coated fabrics, not rubberized  
2296 Tire cord and fabrics  
2297 Nonwoven fabrics  
2298 Cordage and twine  
2299 Textile goods, NEC

2311 Men's and boys' suits, coats, and overcoats  
2321 Men's and boys' shirts (except work shirts)  
2322 Men's and boys' underwear and nightwear  
2323 Men's and boys' neckwear  
2325 Men's and boys' separate trousers and slacks  
2326 Men's and boys' work clothing  
2329 Men's and boys' clothing, NEC  
2331 Women's, misses' and juniors' blouses and shirts  
2335 Women's, misses' and juniors' dresses  
    2337 Women's, misses' and juniors' suits, skirts, and coats  
2339 Women's, misses' and juniors' outerwear  
2341 Women's, misses' children's, and infants' underwear and nightwear  
2342 Brassieres, girdles and allied garments  
2353 Hats, caps and millinery  
2361 Girl's, children's and infants' dresses, blouses and shirts  
2369 Girl's, children's and infants' outerwear, NEC  
2371 Fur goods  
2381 Dress and work gloves (except knit and all-leather)  
2384 Robes and dressing gowns  
2385 Waterproof outerwear  
2386 Leather and sheep-lined clothing  
2387 Apparel belts  
2389 Apparel and accessories, NEC  
2391 Curtains and draperies  
2392 House furnishings (except curtains and draperies)  
2393 Textile bags  
2394 Canvas and related products  
2395 Pleating, decorative and novelty stitching, tucking for the trade  
2396 Automotive trimmings, apparel findings and related products  
2397 Schiffl machine embroideries  
2399 Fabricated textile products, NEC  
3131 Boot and shoe cut stock and findings  
3142 House slippers  
3143 Men's footwear (except athletic)  
3144 Women's footwear (except athletic)  
3149 Footwear (except rubber), NEC  
3151 Leather gloves and mittens  
3161 Luggage  
3171 Women's handbags and purses  
3172 Personal leather goods (except women's handbags and purses)  
3199 Leather goods, NEC

### **Sector W: Furniture and Fixtures**

2434 Wood kitchen cabinets

2511 Wood household furniture (except upholstered)  
2512 Upholstered wood household furniture  
2514 Metal household furniture  
2515 Mattresses, foundations, and convertible beds  
2517 Wood TV, radio, phonograph and sewing machine cabinets  
2519 Household furniture, NEC  
2521 Wood office furniture  
2522 Office furniture (except wood)  
2531 Public building and related furniture  
2541 Wood office and store fixtures, partitions, shelving and lockers  
2542 Office and store fixtures, partitions and shelving (except wood)  
2591 Drapery hardware, window blinds, and shades  
2599 Furniture and fixtures, NEC

### **Sector X: Printing and Publishing**

2711 Newspaper publishing or newspaper publishing and printing  
2721 Periodical publishing or periodical publishing and printing  
2731 Book publishing or book publishing and printing  
2732 Book printing  
2741 Miscellaneous publishing  
2752 Commercial lithographic printing  
2754 Commercial gravure printing  
2759 Commercial printing, NEC  
2761 Manifold business forms  
2771 Greeting cards  
2782 Blankbooks, looseleaf binders, and devices  
2789 Bookbinding and related work  
2791 Typesetting  
2796 Platemaking and related services

### **Sector Y: Rubber, Miscellaneous Plastic Products, and Miscellaneous Manufacturing Industries**

3011 Tires and inner tubes  
3021 Rubber and plastic footwear  
3052 Rubber, plastic hose, and belting  
3053 Gaskets, packing and sealing devices  
3061 Molded, extruded and lathe-cut mechanical rubber goods  
3069 Fabricated rubber products, NEC  
3081 Unsupported plastics film and sheet  
3082 Unsupported plastics profile shapes  
3083 Laminated plastics plate, sheet and profile shapes  
3084 Plastics pipe  
3085 Plastics bottles

3086 Plastics foam products  
 3087 Custom compounding of purchased plastics resins  
 3088 Plastics plumbing, fixtures  
 3089 Plastics products, NEC  
 3931 Musical instruments  
 3942 Dolls and stuffed toys  
 3944 Games, toys, and children's vehicles (except dolls and bicycles)  
 3949 Sporting and athletic goods, NEC  
 3951 Pens, mechanical pencils, and parts  
 3953 Marking devices  
 3955 Carbon paper and inked ribbons  
 3961 Costume jewelry and novelties (except precious metal)  
 3965 Fasteners, buttons, needles, and pins  
 3991 Brooms and brushes  
 3993 Signs and advertising specialties  
 3995 Burial caskets  
 3996 Linoleum and other hard surface floor coverings, NEC  
 3999 Manufacturing industries, NEC

**Sector Z: Leather Tanning and Finishing**

3111 Leather tanning and finishing

**Sector AA: Fabricated Metal Products**

3411 Metal cans  
 3412 Metal shipping barrels, drums, kegs, and pails  
 3421 Cutlery  
 3423 Hand and edge tools (except machine tools and handsaws)  
 3425 Saw blades and handsaws  
 3429 Hardware, NEC  
 3431 Enameled iron and metal sanitary ware  
 3432 Plumbing fixtures and trim  
 3433 Heating equipment (except electric and warm air furnaces)  
 3441 Fabricated structural metal  
 3442 Metal doors, frames, sash, molding and trim  
 3443 Fabricated plate work (boiler shops)  
 3444 Sheet metal work  
 3446 Architectural and ornamental metal work  
 3448 Prefabricated metal buildings and components  
 3449 Miscellaneous structural metal work  
 3451 Screw machine products  
 3452 Bolts, nuts, screws, rivets, and washers  
 3462 Iron and steel forgings  
 3463 Nonferrous forgings  
 3465 Automotive stampings  
 3466 Crowns and closures  
 3469 Metal stampings, NEC  
 3471 Electroplating, plating, polishing, anodizing, and coloring

3479 Coating, engraving, and allied services, NEC  
 3482 Small arms ammunition  
 3483 Ammunition (except small arms)  
 3484 Small arms  
 3489 Ordnance and accessories, NEC  
 3491 Industrial valves  
 3492 Fluid power valves and hose fittings  
 3493 Steel springs (except wire)  
 3494 Valves and pipe fittings, NEC  
 3495 Wire springs  
 3496 Miscellaneous fabricated wire products  
 3497 Metal foil and leaf  
 3498 Fabricated pipe and pipe fittings  
 3499 Fabricated metal products, NEC  
 3911 Precious metal jewelry  
 3914 Silverware, plated ware, and stainless steel ware  
 3915 Jewelers' findings and materials and lapidary work

**Sector AB: Transportation Equipment and Industrial or Commercial Machinery**

3511 Steam, gas and hydraulic turbines and generator units  
 3519 Internal combustion engines, NEC  
 3523 Farm machinery and equipment  
 3524 Lawn and garden tractors and home lawn and garden equipment  
 3531 Construction machinery and equipment  
 3532 Mining machinery and equipment (except oil and gas field)  
 3533 Oil and gas machinery and equipment  
 3534 Elevators and moving stairways  
 3535 Conveyors and conveying equipment  
 3536 Overhead traveling cranes, hoists, and monorail systems  
 3537 Industrial trucks, tractors, trailers, and stackers  
 3541 Metal cutting machine tools  
 3542 Metal forming machine tools  
 3543 Industrial patterns  
 3544 Special dies, tools, die sets, jigs, fixtures and molds  
 3545 Cutting tools, accessories and precision measuring devices  
 3546 Power-driven handtools  
 3547 Rolling mill machinery and equipment  
 3548 Electric and gas welding and soldering equipment  
 3549 Metalworking machinery, NEC  
 3552 Textile machinery  
 3553 Woodworking machinery  
 3554 Paper industries machinery

3555 Printing trades machinery and equipment  
 3556 Food products machinery  
 3559 Special industry machinery, NEC  
 3561 Pumps and pumping equipment  
 3562 Ball and roller bearings  
 3563 Air and gas compressors  
 3564 Industrial and commercial fans, blowers, and air purification equipment  
 3565 Packaging machinery  
 3566 Speed changers, industrial high speed drives and gears  
 3567 Industrial process furnaces and ovens  
 3568 Mechanical power transmission equipment, NEC  
 3569 General industrial machinery and equipment, NEC  
 3581 Automatic vending machines  
 3582 Commercial laundry, dry cleaning, and pressing machines  
 3585 Air-conditioning, heating, and refrigeration equipment  
 3586 Measuring and dispensing pumps  
 3589 Service industry machinery, NEC  
 3592 Carburetors, pistons, piston rings, and valves  
 3593 Fluid power cylinders and actuators  
 3594 Fluid power pumps and motors  
 3596 Scales and balances (except laboratory)  
 3599 Industrial and commercial machinery and equipment, NEC  
 3711 Motor vehicles and passenger car bodies  
 3713 Truck and bus bodies  
 3714 Motor vehicle parts and accessories  
 3715 Truck trailers  
 3716 Motor homes  
 3721 Aircraft  
 3724 Aircraft engines and engine parts  
 3728 Aircraft parts and auxiliary equipment, NEC  
 3743 Railroad equipment  
 3751 Motorcycles, bicycles, and parts  
 3761 Guided missiles and space vehicles  
 3764 Guided missile and space vehicle propulsion units parts  
 3769 Guided missile and space vehicle parts and equipment NEC  
 3792 Travel trailers and campers  
 3795 Tanks and tank components  
 3799 Transportation equipment, NEC

**Sector AC: Electronic and Electrical Equipment and Components, Photographic and Optical Goods**

3571 Electronic computers  
 3572 Computer storage devices

3575 Computer terminals  
 3577 Computer peripheral equipment, NEC  
 3578 Calculating and accounting machines (except electronic computers)  
 3579 Office machines, NEC  
 3612 Power, distribution and specialty transformers  
 3613 Switchgear and switchboard apparatus  
 3621 Motors and generators  
 3624 Carbon and graphite products  
 3625 Relays and industrial controls  
 3629 Electrical industrial apparatus, NEC  
 3631 Household cooking equipment  
 3632 Household refrigerators and home and farm freezers  
 3633 Household laundry equipment  
 3634 Electric housewares and fans  
 3635 Household vacuum cleaners  
 3639 Household appliances, NEC  
 3641 Electric lamp bulbs and tubes  
 3643 Current-carrying wiring devices  
 3644 Noncurrent-carrying wiring devices  
 3645 Residential electric lighting fixtures  
 3646 Commercial, industrial and institutional electric lighting fixtures  
 3647 Vehicular lighting equipment  
 3648 Lighting equipment, NEC  
 3651 Household audio and video equipment  
 3652 Phonograph records and prerecorded audio tapes and disks  
 3661 Telephone and telegraph apparatus  
 3663 Radio and TV broadcasting and communications equipment  
 3669 Communications equipment, NEC  
 3671 Electron bulbs  
 3672 Printed circuit boards  
 3674 Semiconductors and related devices  
 3675 Electronic capacitors  
 3676 Electronic resistors  
 3677 Electronic coils, transformers, and other inductors  
 3678 Electronic connectors  
 3679 Electronic components, NEC  
 3691 Storage batteries  
 3692 Primary batteries (dry and wet)  
 3694 Electrical equipment for internal combustion engines  
 3695 Magnetic and optical recording media  
 3699 Electrical machinery, equipment, and supplies, NEC  
 3812 Search, detection, navigation, and guidance systems  
 3821 Laboratory apparatus and furniture  
 3822 Automatic environmental and appliance



controls  
3823 Process measurement, display, and control instruments  
3824 Totalizing fluid meters and counting devices  
3825 Electricity and signal measurement and testing instruments  
3826 Laboratory analytical instruments  
3827 Optical instruments and lenses  
3829 Measuring and controlling devices, NEC  
3841 Surgical and medical instruments and apparatus  
3842 Orthopedic, prosthetic and surgical appliances

and supplies  
3843 Dental equipment and supplies  
3844 X-Ray apparatus and tubes and related irradiation apparatus  
3845 Electromedical and electrotherapeutic apparatus  
3851 Ophthalmic goods  
3861 Photographic equipment and supplies  
3873 Watches, clocks, clockwork operated devices and parts

## Narrative activities list

A4: Logging: discharges from wet decking storage areas

C1: Stormwater runoff from phosphate fertilizer manufacturing that comes into contact with any raw materials/finished products/by-products/waste products

D2: Stormwater runoff from an asphalt emulsion facility

E3: Cement manufacturing facility, material storage runoff (Note: this is **not** a ready mix concrete facility.)

K1: Hazardous waste treatment/storage/disposal facility for discharges not subject to effluent limitations in 40 CFR pt. 445 subp. A (Note: this is **not** a hazardous waste generator.)

K2: Hazardous waste treatment/storage/disposal facility for discharges subject to effluent limitations in 40 CFR pt. 445 subp. A (Note: this is **not** a hazardous waste generator.)

L1: Municipal solid waste landfill areas closed in accordance with 40 CFR 258.60

L2: Open or closed non-hazardous waste landfill and land application site not discharging to surface water

L3: Landfill that discharges to surface waters stormwater that has directly contacted solid waste

O1: Coal fired and oil fired steam electric generating facility

O2: Nuclear, natural gas fired, and any other fuel source used for steam electric generation

O3: Runoff from coal storage piles at steam electric generating facility

S3: Existing and new primary airports with 1,000 or more annual jet departures that discharge wastewater associated with airfield pavement deicing that contains urea commingled with stormwater

T1: Treatment works with design flow of 1 million gallons per day or more or that are required to have an approved pretreatment program under 40 CFR pt. 403.