

SECTION IN-1

INDUSTRIAL PERMIT DRAFTING

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A. NPDES Permit Rating Worksheet

EPA's NPDES Permit Rating Worksheet is completed for every industrial facility whenever a permit is issued, reissued, modified or coverage under a general permit for an industrial facility is proposed. The completion of this worksheet will establish whether or not the industrial facility is considered a major discharger. The worksheet does not need to be completed if the permit meets all of the three following conditions:

- The permit is being reissued or modified;
- The rating on the new worksheet has been done previously; and
- No changes to the plant processes or the permit have occurred that would change the previous rating.

1. Documentation

The completed worksheet is part of the official file on the facility. If the rating should change for a facility, the RO should notify the Office of VPDES Permits of the change and the major/minor status of the permit will be determined. When a major is identified by the rating system, a copy of the rating worksheet should be forwarded to the Office of VPDES Permits. If a major facility is changed and no longer qualifies as a major, the RO should forward a copy of that worksheet to the Office of VPDES Permits so that a current list of major dischargers can be maintained.

2. Worksheet Supplemental Instructions

The worksheet should be totally completed. Skipping one or more Factors listed in the worksheet will negate the validity of the final score. A blank worksheet form can be found on page 3 of this Section and is also available on DEQnet.

- a. Factor 1 - the SIC code must be entered in the Primary SIC code Blocks. The PCS SIC Code can be left blank. Confirm that the SIC Code on the application is correct, both in terms of the industrial activity at the facility and in terms of the 1987 SIC Code Book. Enter as many as four secondary SIC codes if they apply to the facility. The most important SIC codes will be the ones that represent the primary activity at the facility and the one that has the highest total toxicity number in Appendix A of the Worksheet instructions. Enter the industrial subcategory code which corresponds to this latter SIC code. The most important part of Factor 1 is that if the facility does not have any process waste discharges it gets a 0 rating and 0 points in this factor. If the facility has only stormwater discharges, check the "No Process Waste Streams" box.
- b. Factor 2 - in this factor there are two options for determining a score. The use of the Section B method is preferable to the Section A method. For Section B, the percent instream waste concentration (IWC) is calculated by dividing the maximum 30-day average effluent flow by the sum of the 7Q10 flow of the receiving stream and the maximum 30-day average flow and then multiplying by 100.

$$\text{IWC} = \frac{\text{Max 30 day average flow}}{7\text{Q10} + \text{Max 30 day average flow}} \times 100$$

Use the chart in Figure 1 of the Worksheet instructions to determine the effluent type. If the 7Q10 is not available, the Section A method may be used with maximum 30-day

average flow reported on the application. If the maximum 30-day average flow is not available, use the maximum daily flow.

- c. Factor 3 - asks for information on conventional pollutants. If possible, the information should come from the permit being drafted for issuance, reissuance, or modification. The permit limits used for the rating must be converted to lbs/day before assigning points. When an industrial facility also has a Watershed General Permit addressing nutrients, use the individual permit information to rate the facility.
- d. Factor 4 - asks if there are any public water supplies within 50 miles downstream of the discharge. This information should be available from the river basin maps in the Water Quality Standards Regulation. It is important to note that if the facility has no process waste discharges the rating and points are 0 for this factor. If the facility has only stormwater discharges, check the "No Process Waste Streams" box.
- e. Factor 5 - applies to nonconventional and toxic pollutants, not pH or temperature. Part B of this factor will be answered based on available instream monitoring data. The answer for Part C will depend on if the facility has WET monitoring, and if they do, whether or not they have failed enough acute and chronic toxicity tests. If there are any questions on the response to this part, call the Office of VPDES Permits for guidance.
- f. Factor 6 - Part A asks for the Headquarters Priority Permit Indicator (HPRI) code, which are found in the instructions. If Part A applies, check the appropriate box in Part B and check the "NO" box in Part C.
- g. Total Score - if the total score is 80 or higher, the facility is considered a major. Currently, facilities which score less than 80 on the rating sheet are not being considered for discretionary major designation.

NPDES PERMIT RATING WORKSHEET

- ☐ Regular Addition
☐ Discretionary Addition
☐ Score change, but no status change
☐ Deletion

VPDES NO.:

Facility Name:

City:

Receiving Water:

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (not using a cooling pond/lake)
 2. A nuclear power plant
 3. Cooling water discharge greater than 25% of the receiving stream's 7Q10 flow rate
☐ YES; score is 600 ([stop here](#)) ☐ NO ([continue](#))

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

- ☐ YES; score is 700 ([stop here](#))
☐ NO ([continue](#))

FACTOR 1: Toxic Pollutant Potential

PCS SIC Code:

Primary SIC Code:

Other SIC Codes:

Industrial Subcategory Code:

(Code 000 if no subcategory)

(Determine the Toxicity potential from Appendix A. Be sure to use the TOTAL toxicity potential column and check one.)

Toxicity Group Points	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	
<input type="checkbox"/> No process waste streams	0	0	<input type="checkbox"/> 3.	3	15	<input type="checkbox"/> 7.	7	35
<input type="checkbox"/> 1.	1	5	<input type="checkbox"/> 4.	4	20	<input type="checkbox"/> 8.	8	40
<input type="checkbox"/> 2.	2	10	<input type="checkbox"/> 5.	5	25	<input type="checkbox"/> 9.	9	45
			<input type="checkbox"/> 6.	6	30	<input type="checkbox"/> 10.	10	50

Code Number Checked:

Total Points Factor 1:

FACTOR 2: Flow/Stream Flow Volume (Complete either Section A or Section B; Check only one. See instructions.)

Section A ☐ Wastewater Flow Only Considered

Wastewater Type		Code	Points
Type I: Flow < 5 MGD	<input checked="" type="checkbox"/>	11	0
Flow 5 to 10 MGD	<input type="checkbox"/>	12	10
Flow > 10 to 50 MGD	<input checked="" type="checkbox"/>	13	20
Flow > 50 MGD	<input type="checkbox"/>	14	30
Type II: Flow < 1 MGD	<input type="checkbox"/>	21	10
Flow 1 to 5 MGD	<input type="checkbox"/>	22	20
Flow > 5 to 10 MGD	<input type="checkbox"/>	23	30
Flow > 10 MGD	<input type="checkbox"/>	24	50
Type III: Flow < 1 MGD	<input type="checkbox"/>	31	0
Flow 1 to 5 MGD	<input type="checkbox"/>	32	10
Flow > 5 to 10 MGD	<input type="checkbox"/>	33	20
Flow > 10 MGD	<input type="checkbox"/>	34	30

Section B ☐ Wastewater and Stream Flow Considered

Wastewater Type	Percent of instream Wastewater Concentration at Receiving Stream Low Flow		Code	Points
Type I/III:	< 10 %	<input type="checkbox"/>	41	0
	10 % to < 50 %	<input type="checkbox"/>	42	10
	> 50 %	<input type="checkbox"/>	43	20
Type II:	< 10 %	<input type="checkbox"/>	51	0
	10 % to < 50 %	<input type="checkbox"/>	52	20
	> 50 %	<input type="checkbox"/>	53	30

Code Checked from Section A or B:
Total Points Factor 2:

FACTOR 3: Conventional Pollutants (Only when limited by the permit)

A. Oxygen Demanding Pollutant: (check one) ☐ BOD ☐ COD ☐ Other:

Permit Limits: (check one)		Code	Points
<input type="checkbox"/>	< 100 lbs/day	1	0
<input type="checkbox"/>	100 to 1000 lbs/day	2	5
<input type="checkbox"/>	> 1000 to 3000 lbs/day	3	15
<input type="checkbox"/>	> 3000 lbs/day	4	20

Code Checked:

Points Scored:

B. Total Suspended Solids (TSS)

Permit Limits: (check one)		Code	Points
<input type="checkbox"/>	< 100 lbs/day	1	0
<input type="checkbox"/>	100 to 1000 lbs/day	2	5
<input type="checkbox"/>	> 1000 to 5000 lbs/day	3	15
<input type="checkbox"/>	> 5000 lbs/day	4	20

Code Checked:

Points Scored:

C. Nitrogen Pollutant: (check one) ☐ Ammonia ☐ Other:

Permit Limits: (check one)	Nitrogen Equivalent	Code	Points
<input type="checkbox"/>	< 300 lbs/day	1	0
<input type="checkbox"/>	300 to 1000 lbs/day	2	5
<input type="checkbox"/>	> 1000 to 3000 lbs/day	3	15
<input type="checkbox"/>	> 3000 lbs/day	4	20

Code Checked:

Points Scored:

Total Points Factor 3:

FACTOR 4: Public Health Impact

Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include infiltration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

☐ YES (If yes, check toxicity potential number below)

☐ NO (If no, go to Factor 5)

Determine the *human health* toxicity potential from Appendix A. Use the same SIC code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column ☐ check one below)

Toxicity Group Points	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code
<input checked="" type="checkbox"/> No process waste streams	0	0	<input type="checkbox"/> 3.	3	0	<input type="checkbox"/> 7.	7 15
<input type="checkbox"/> 1.	1	0	<input type="checkbox"/> 4.	4	0	<input type="checkbox"/> 8.	8 20
<input type="checkbox"/> 2.	2	0	<input type="checkbox"/> 5.	5	5	<input type="checkbox"/> 9.	9 25
			<input type="checkbox"/> 6.	6	10	<input type="checkbox"/> 10.	10 30

Code Number Checked:

Total Points Factor 4: _

FACTOR 5: Water Quality Factors

- A. Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines), or has a wasteload allocation been assigned to the discharge:

<input type="checkbox"/>	Yes (Temp)	Code 1	Points 10
<input type="checkbox"/>	No	2	0

- B. Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?

<input type="checkbox"/>	Yes	Code 1	Points 0
<input type="checkbox"/>	No	2	5

- C. Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?

<input type="checkbox"/>	Yes	Code 1	Points 10
<input type="checkbox"/>	No	2	0

Code Number Checked: A B C

Points Factor 5: A + B + C = TOTAL

FACTOR 6: Proximity to Near Coastal Waters

- A. Base Score: Enter flow code here (from Factor 2):
Enter the multiplication factor that corresponds to the flow code:

Check appropriate facility HPRI Code (from PCS):

	HPRI#	Code	HPRI Score	Flow Code	Multiplication Factor
<input type="checkbox"/>	1	1	20	11, 31, or 41	0.00
<input type="checkbox"/>	2	2	0	12, 32, or 42	0.05
<input type="checkbox"/>	3	3	30	13, 33, or 43	0.10
<input type="checkbox"/>	4	4	0	14 or 34	0.15
<input type="checkbox"/>	5	5	20	21 or 51	0.10
				22 or 52	0.30
				23 or 53	0.60
HPRI code checked:				24	1.00

HPRI code checked:

Base Score: (HPRI Score) ____ X (Multiplication Factor) = (TOTAL POINTS)

- B. Additional Points ☐ NEP Program
For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see instructions) or the Chesapeake Bay?

	Code	Points
<input type="checkbox"/> Yes	1	10
<input type="checkbox"/> No	2	0

- C. Additional Points ☐ Great Lakes Area of Concern
For a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (see Instructions)

	Code	Points
<input type="checkbox"/> Yes	1	10
<input type="checkbox"/> No	2	0

Code Number Checked: A ____ B ____ C ____

Points Factor 6: A ___ + B ___ + C ___ = ___ TOTAL
SCORE SUMMARY

Factor	Description	Total Points
1	Toxic Pollutant Potential	_____
2	Flows/Streamflow Volume	_____
3	Conventional Pollutants	_____
4	Public Health Impacts	_____
5	Water Quality Factors	_____
6	Proximity to Near Coastal Waters	_____
TOTAL (Factors 1 through 6)		_____

S1. Is the total score equal to or greater than 80? ☐ Yes (Facility is a major) ☐ No

S2. If the answer to the above questions is no, would you like this facility to be discretionary major?

☐ No

☐ Yes (Add 500 points to the above score and provide reason below:

Reason:

NEW SCORE:

OLD SCORE:

 Permit Reviewer's Name

 Phone Number

 Date

B. INSTRUCTIONS FOR COMPLETING THE NPDES PERMIT RATING WORKSHEET

General Information

From the permit, enter the VPDES number, facility name, city, and the receiving water name.

Answer the next two questions regarding steam electric facilities and stormwater permits. An answer of “yes” to either of these questions automatically makes this facility a major. A steam electric major will be automatically assigned a score of 600 and stormwater major will be assigned a score of 700. If either of the “yes” boxes are checked, there is no need to go further.

FACTOR 1: Toxic Pollutant Potential

Determine what SIC codes are assigned to the facility covered by the permit. This will usually be in Form 2C. Be sure that the SIC codes are those contained in the latest SIC code book published in 1987. If the facility has more than one outfall, there will be a Section II for each outfall. When multiple SIC codes are assigned, select the one that appears to represent the primary activity at the facility and enter it in the primary SIC code box. Then enter up to three other SIC codes in the indicated boxes, selecting those that appear most significant if more than four have been reported (this will be rare).

Use the primary SIC code to search Appendix A of these instructions to determine if there are industrial subcategories for that SIC code. If not, there will be a single entry in Appendix A for that SIC code or no entry at all. If there are subcategories (indicated by multiple entries for one SIC Code), select the subcategory that best corresponds to this facility. Use the CFR part and subpart number to help you identify the appropriate subcategory. Continue this procedure for each of the other SIC codes recorded. Select the industrial subcategory for the SIC code that has the highest toxicity group. Enter the industrial subcategory code on the rating sheet (use 000 if there is no subcategory) and check the appropriate TOTAL toxicity potential number. **Note that regardless of the facility's SIC code, if the facility discharges no process waste stream to a receiving water, the points scored are 0.**

Enter the appropriate code number and points scored for Factor 1 in the shaded area.

FACTOR 2: Flow/Stream Flow Volume

This factor consists of two methods, A and B. Section A or Section B should be completed, but not both. Section A takes into account only the quantity and type of wastewater discharge from the facility. Section B scores the facility for not only the quantity and type of wastewater discharged, but also its relationship to the receiving stream low flow.

Determine the wastewater type (I, II, or III) based on the relative volumes of noncontact cooling waters, process wastewaters, and other wastewaters in the total combined discharge from the facility.

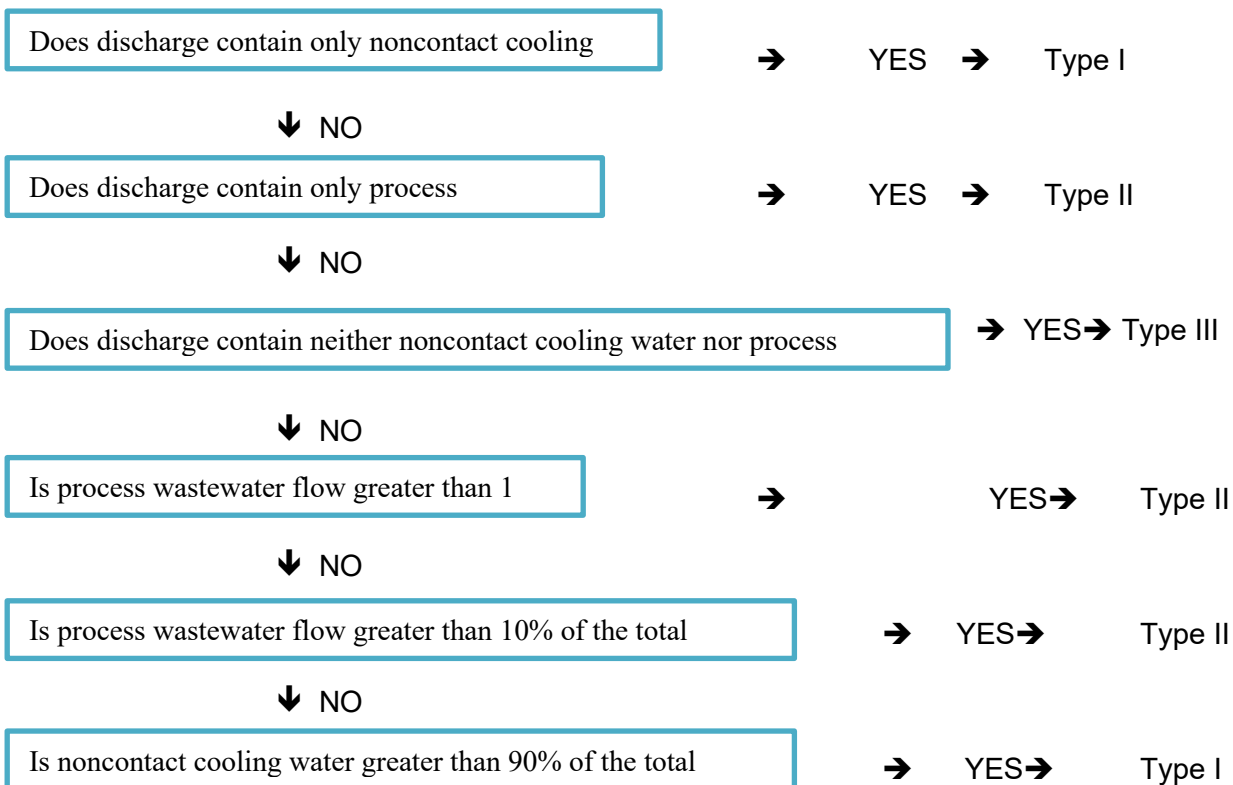
- Type I: Noncontact cooling waters are once-through cooling only and do not include blowdown from cooling towers and recirculating cooling systems.
- Type II: Process wastewaters include wastewaters resulting from most manufacturing processes, contact cooling water, and contaminated surface run-off.
- Type III: Other wastewaters include boiler blowdown, blowdown from cooling towers and recirculating cooling systems, sanitary wastewater, and uncontaminated surface runoff.

The relative volumes of different wastewaters discharged can usually be determined from the permit application. Use Figure 1 to determine the wastewater type. If the entire discharge is noncontact cooling water, it is Type I. If it is all process wastewater, it is Type II. If it is neither noncontact cooling water nor process wastewater, it is Type III. If the flow contains more than 1.0 MGD of process wastewater or more than 10 percent process wastewater, it is Type II. If the flow is predominantly noncontact cooling water (more than 90 percent) and contains less than 1.0 MGD of process wastewaters, it is Type I.

Once the wastewater type has been determined, compute the total volume of wastewater discharged for all outfalls. This is the sum of the daily average discharges for each outfall shown in the permit application.

On the worksheet under the type of wastewater selected, check the appropriate flow range. Although a facility may discharge some of any or all of the three types of wastewater, only one flow range and type should be checked representing the composite of all flows. Record the two-digit flow code checked in the code box and the associated points in the total points box in the shaded area under Section A.

For a few selected facilities, the volume of wastewater discharged may be large relative to the low flow of the receiving water. Section B of the rating work sheet allows the reviewer to calculate rating points based on the relative amounts and types of wastewater and receiving stream flows. The reviewer should identify the type of wastewater discharged from the facility based on the procedure described above and in Figure 1. The other piece of information that will be necessary to complete Section B is the receiving stream's low flow (i.e., the 7Q10 flow or the state standard). Check off the box that most closely describes the circumstances at this facility and enter the appropriate code and points in the shaded box under Section B.

Exhibit IN-1-1. Wastewater Type Selection Flow Diagram**FACTOR 3: Conventional Pollutants**

Data on conventional pollutants are obtained from the VPDES permit. Review the permit to see what traditional pollutants (i.e., oxygen demanding, TSS, and Ammonia) are limited. Conventional pollutant loads are to be computed only when they are limited by the permit. Use the current permit limits if the permit contains two or more sets of limits for each outfall.

Add the daily average load for the oxygen-demanding pollutant and identify on the work sheet what this parameter is (e.g., BOD, COD, TOC, UOD, etc.). If the permit is limited for more than one oxygen-demanding pollutant, use the one that provides the highest load. Most effluent limits specify loads in kilograms or pounds per day. However, they may sometimes be given in concentration units (usually mg/l) or in loads per production unit, such as kg BOD/1000 kg of product. In such cases, the discharge must be converted to loads in terms of pounds per day using standard conversion factors and flow and/or production data from the application or the discharge monitoring reports (DMRs).

Once the load has been determined, check the appropriate box, and enter the code number checked and the points scored in the shaded area. Continue this for TSS and Ammonia if these pollutants are limited.

FACTOR 4: Public Health Impact

Determine if there is a public drinking water supply within 50 miles downstream of the facility. (A drinking water intake may include infiltration galleries or other methods of conveyance that ultimately get its water from the receiving stream of the VPDES facility). If this condition is

true, answer “yes” to the question posed on the rating work sheet. Determine the human health toxicity potential from Appendix A in a similar manner as outlined in Factor 1 of this instruction sheet. Once the toxicity number has been identified, enter the code number and the points scored in the shaded area.

If there are no drinking water utilities within 50 miles downstream of this facility, answer “no” to this question and continue to Factor 5.

FACTOR 5: Water Quality Factors

Determine if the discharge is subject to water quality limiting factors. This will be true if the discharge is to a stream designated as water quality limiting by the State agency or for which waste-load allocations have been established. This will also be true if some of the effluent limits in the permit are based on water quality conditions in the receiving stream rather than on effluent guidelines (technology-based, the usual case). Making this determination may be somewhat difficult. Sources to review for the necessary information are the Fact Sheet, 305(b)/303(d) Water Quality Assessment Integrated Reports submitted to EPA biennially, etc.

Some facilities may have had whole effluent toxicity studies performed within the last two years. If this is true and the results of those tests indicated that the effluent from this facility shows toxicity, answer “yes” to the question in Section C of this factor.

After answering questions A, B, and C, enter the appropriate code and points in the shaded area.

FACTOR 6: Proximity to Near Coastal Waters

Facilities may receive additional points if their discharge is to a water that is considered a “near coastal water.” The following are the definitions of each code:

Code Description

1. 3403(c) direct ocean discharger: dischargers seaward of the inner baseline of territorial seas. These facilities were identified in the 3403(c) Report to Congress.
2. Discharger in Coastal county not in a major estuary drainage area and not a 3403(c) discharger.
3. Discharger into a major estuary or estuary drainage area.
4. Discharger in a non-coastal county, some part of which is in an estuary drainage area, discharging into fresh non-tidal waters.
5. Great Lakes discharger: dischargers that are located in a county that physically borders the Great Lakes except where the discharge is diverted into another basin (e.g., Mississippi River).

The reviewer should enter the two-digit flow code found in the section of the worksheet known as Factor 2. If the facility is not a near coastal facility, skip this factor entirely and continue to the score summary.

Identify the appropriate multiplication factor based on the Factor 2 flow code. Enter the HPRI score and the multiplication factor in the appropriate blanks and perform the multiplication. Enter the HPRI code checked and the points scored for Section A in the shaded area.

Facilities will receive additional points if they are discharging to an estuary that is listed in the National Estuary Protection (NEP) program (see Appendix B) or the Chesapeake Bay (HPRI Code 3). Alternatively, facilities can receive additional points if they discharge to one of the Great Lakes Areas of Concern. To receive points under the Great Lakes Area of Concern section, the facility must be discharging at least one of the pollutants of concern for each of the geographic locations (see Appendix C). Points may be scored for either Section B or Section C of this factor, but not both.

Score Summary

Enter the total points scored under each of the six factors considered in this rating work sheet. Add the scores together and if the sum is greater than or equal to 80, the facility is considered a major. If a facility has scored less than 80 points and the reviewer feels that the facility should still be considered a major, the reviewer may make the facility a discretionary major by adding 500 points to the total score of each of the factors. Each EPA Region is allocated a certain number of discretionary majors. This number is a flat 50 or 10% of the actual majors plus 40, whichever is higher. Example: If Region I had 300 actual majors, the number of allocated discretionary majors would be 70 (i.e., $(300 \times .1) + 40 = 70$). Should the reviewer wish to make this facility a discretionary major, it is strongly urged that the reasoning for this decision be provided on the rating work sheet.

To assist reviewers in ascertaining the candidates for discretionary addition, Appendix D provides some guidelines for ranking specific industrial categories.

NPDES RATING WORKSHEET APPENDIX A

SIC CODE/CFR CROSS REFERENCE AND TOTAL AND HUMAN HEALTH TOXICITY

NUMBERS

<u>1987 SIC Code</u>	<u>1987 Title</u>	<u>CFR Part</u>	<u>CFR Sub- Part</u>	<u>Sub-part Title</u>	<u>Human Health Toxicity Number</u>	<u>Total Toxicity Number</u>	<u>Industrial Sub- category Number</u>
211	BEEF CATTLE FEEDLOTS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
212	BEEF CATTLE, EXCEPT FEEDLOTS		NR	BEEF CATTLE NOT IN FEEDLOTS	1	1	99
213	HOGS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
213	HOGS		NR	HOGS NOT IN FEEDLOTS	1	1	99
214	SHEEP AND GOATS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
214	SHEEP AND GOATS		NR	SHEEP AND GOATS NOT IN FEEDLOTS	1	1	99
219	GENERAL LIVESTOCK, NEC		NR	GENERAL LIVESTOCK FARMS	1	1	99
241	DAIRY FARMS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
241	DAIRY FARMS		NR	DAIRY CATTLE NOT CONFINED	1	1	99
251	BROILER, FRYER AND ROASTER CHICKENS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
252	CHICKEN EGGS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
253	TURKEY AND TURKEY EGGS	412	A	ALL FEEDLOTS EXCEPT DUCKS	1	1	0
254	POULTRY HATCHERIES		NR	HATCHERIES WITHOUT POULTRY FEEDING	1	1	99
259	POULTRY AND EGGS, NEC	412	B	DUCKS	1	1	0
259	POULTRY AND EGGS, NEC		NR	OTHER POULTRY FARMS	1	1	99
271	FUR-BEARING ANIMALS AND RABBITS		NR		1	1	99
272	HORSES AND OTHER EQUINES		NR		1	1	99
273	ANIMAL AQUACULTURE		NR		1	1	99
279	ANIMAL SPECIALTIES, NEC		NR		1	1	99
291	GENERAL FARMS PRIMARILY LIVESTOCK		NR		1	1	99
721	CROP PLANTING & PROTECTION		NR	CROP DUSTING & SPRAYING	6	6	99
721	CROP PLANTING & PROTECTION		NR	CROP PLANTING/CULTIVATION	1	1	99
921	FISH HATCHERIES AND PRESERVES		NR		1	1	99
1011	IRON ORES	440	A	IRON ORE	7	7	0
1021	COPPER ORES	440	J	Cu, Pb, Zn, Ag, Au, Mo Ores	8	10	0
1031	LEAD AND ZINC ORES	440	J	Cu, Pb, Zn, Ag, Au, Mo Ores	8	10	0
1041	GOLD ORES	440	J	Cu, Pb, Zn, Ag, Au, Mo Ores	8	10	1
1041	GOLD ORES	440	M	GOLD PLACER MINES	8	9	2
1044	SILVER ORES	440	J	Cu, Pb, Zn, Ag, Au, Mo Ores	8	10	0
1099	BAUXITE & OTHER ALUMINUM ORES	440	S	ALUMINUM ORE	5	10	0
1061	FERROALLOY ORES, EXCEPT VANADIUM	440	F	TUNGSTEN ORE	1	6	1
1061	FERROALLOY ORES, EXCEPT VANADIUM	440	G	NICKEL ORES	8	8	2
1061	FERROALLOY ORES, EXCEPT VANADIUM	440	J	Cu, Pb, Zn, Ag, Au, Mo Ores	7	7	3
1061	FERROALLOY ORES, EXCEPT VANADIUM		NR	FERROALLOY ORES, NEC	8	8	99
1081	METAL MINING SERVICES		NR	EXPLORATION/DEVELOPMENT	8	8	99
1099	MERCURY ORES	440	D	MERCURY ORES	8	8	0
1094	URANIUM-RADIUM-VANADIUM ORES	440	C	URANIUM-RADIUM-VANADIUM ORES	8	9	1
1094	URANIUM-RADIUM-VANADIUM ORES	440	H	VANADIUM ORE	8	8	2
1099	METAL ORES, NEC	440	E	TITANIUM ORES	1	4	1
1099	METAL ORES, NEC	440	I	ANTIMONY ORE	8	8	2
1099	METAL ORES, NEC	440	K	PLATINUM ORES	8	8	3
1099	METAL ORES, NEC		NR	METAL ORE, NEC	8	8	99
1231	ANTHRACITE MINING	434	B	COAL PREPARATION PLANTS	6	6	4
1231	ANTHRACITE MINING	434	C	ACID OR FERRUGINOUS MINE DRAINAGE	5	5	1
1231	ANTHRACITE MINING	434	D	ALKALINE MINE DRAINAGE	5	5	2
1231	ANTHRACITE MINING	434	E	POST MINING AREAS	5	5	5
1241	ANTHRACITE MINING SERVICES		NR		5	5	99
1221	BITUMINOUS COAL AND LIGNITE	434	B	COAL PREPARATION PLANTS	6	5	3
1221	BITUMINOUS COAL AND LIGNITE	434	C	ACID OR FERRUGINOUS MINE DRAINAGE	5	5	1
1221	BITUMINOUS COAL AND LIGNITE	434	D	ALKALINE MINE DRAINAGE	5	5	2
1221	BITUMINOUS COAL AND LIGNITE	434	E	POST MINING AREAS	5	5	4
1222	BITUMINOUS COAL AND LIGNITE	434	B	COAL PREPARATION PLANTS	6	6	5
1222	BITUMINOUS COAL AND LIGNITE	434	C	ACID OR FERRUGINOUS MINE DRAINAGE	5	5	6
1222	BITUMINOUS COAL AND LIGNITE	434	D	ALKALINE MINE DRAINAGE	5	5	7
1222	BITUMINOUS COAL AND LIGNITE	434	E	POST MINING AREAS	5	5	8

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1241	BITUMINOUS COAL AND LIGNITE MINING SVS		NR		5	5	99
1311	CRUDE PETROLEUM AND NATURAL GAS	435	A	OFFSHORE	1	1	1
1311	CRUDE PETROLEUM AND NATURAL GAS	435	C	ONSHORE	1	1	2
1311	CRUDE PETROLEUM AND NATURAL GAS	435	D	COASTAL	1	1	3
1311	CRUDE PETROLEUM AND NATURAL GAS	435	E	AGRICULTURAL & WILDLIFE WATER USE	1	1	4
1311	CRUDE PETROLEUM AND NATURAL GAS	435	F	STRIPPER	5	5	5
1321	NATURAL GAS LIQUIDS		NR		1	1	99
1381	DRILLING OIL AND GAS WELLS	435	C	ONSHORE	1	1	0
1382	OIL AND GAS FIELD EXPLORATION SVS		NR		1	1	99
1389	OIL AND GAS FIELD SERVICES, NEC		NR		1	1	99
1411	DIMENSION STONE	436	A	DIMENSION STONE	1	1	0
1422	CRUSHED AND BROKEN LIMESTONE	436	B	CRUSHED STONE	1	1	0
1423	CRUSHED AND BROKEN GRANITE	436	B	CRUSHED STONE	1	1	0
1429	CRUSHED AND BROKEN STONE, NEC	436	B	CRUSHED STONE	1	1	0
1442	CONSTRUCTION SAND AND GRAVEL	436	C	CONSTRUCTION SAND AND GRAVEL	1	1	0
1446	INDUSTRIAL SAND	436	D	INDUSTRIAL SAND	1	1	0
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	V	BENTONITE	1	1	0
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	AA	FIRE CLAY	1	1	0
1459	CLAY, CERAMIC & REFRACTORY MATERIALS		NR	FULLER'S EARTH	1	1	99
1455	KAOLIN AND BALL CLAY	436	AG	KAOLIN	1	1	1
1455	KAOLIN AND BALL CLAY	436	AH	BALL CLAY	1	1	2
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	AI	FELDSPAR	1	1	5
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	AC	KYANITE	1	1	2
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	AD	SHALE AND COMMON CLAY	1	1	3
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	AE	APLITE	1	1	4
1459	CLAY, CERAMIC & REFRACTORY MATERIALS	436	W	MAGNESITE	1	1	1
1459	CLAY, CERAMIC & REFRACTORY MATERIALS		NR	OTHER CLAY, CERAMIC & REFR MINERALS	1	1	99
1479	CHEMICAL & FERTILIZER MINERAL MINING,NEC	436	J	BARITE	1	1	0
1479	CHEMICAL & FERTILIZER MINERAL MINING,NEC	436	K	FLUORSPAR	1	1	0
1474	POTASH, SODA AND BORATE MINERALS	436	L	SALINES FROM BRINE LAKE	1	1	1
1474	POTASH, SODA AND BORATE MINERALS	436	M	POTASH	1	1	3
1474	POTASH, SODA AND BORATE MINERALS	436	N	BORAX	1	1	2
1474	POTASH, SODA AND BORATE MINERALS	436	O	SODIUM SULFATE	1	1	4
1474	POTASH, SODA AND BORATE MINERALS		NR	OTHER POTASH AND BORATE MINERALS, NR	1	1	99
1474	POTASH, SODA AND BORATE MINERALS	436	P	TRONA	1	1	5
1475	PHOSPHATE ROCK	436	R	PHOSPHATE ROCK	6	6	0
1479	CHEMICAL & FERTILIZER MINERAL MINING,NEC	436	Q	ROCK SALT	1	1	0
1479	CHEMICAL & FERTILIZER MINERAL MINING,NEC	436	S	FRASCH SULFER	1	1	0
1479	CHEMICAL & FERTILIZER MINERAL MINING	436	T	MINERAL PIGMENTS	1	1	1
1479	CHEMICAL & FERTILIZER MINERAL MINING	436	U	LITHIUM	1	1	2
1479	CHEMICAL & FERTILIZER MINERAL MINING		NR	OTHER CHEMICAL/FERTILIZER MINERALS	1	1	99
1481	NONMETALLIC MINERALS (EXCEPT FUELS) SERVICE		NR		1	1	99
1499	MISC NONMETALLIC MINERALS, NEC	436	E	GYPSUM	1	1	0
1499	MISC NONMETALLIC MINERALS, NEC	436	AJ	TALC, STEATITE, SOAPSTONE AND PYROPHYLLITE	1	1	0
1499	MISC NONMETALLIC MINERALS, NEC	436	G	ASBESTOS AND WOLLASTONITE	1	1	2

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1499	MISC NONMETALLIC MINERALS, NEC	436	F	ASPHALTIC MINERAL	1	1	1
1499	MISC NONMETALLIC MINERALS, NEC	436	I	MICA AND SERACITE	1	1	3
1499	MISC NONMETALLIC MINERALS, NEC	436	X	DIATOMITE	1	1	4
1499	MISC NONMETALLIC MINERALS, NEC	436	Y	JADE	1	1	5
1499	MISC NONMETALLIC MINERALS, NEC	436	AF	TRIPOLI	1	1	6
1499	MISC NONMETALLIC MINERALS, NEC	436	AK	GARNET	1	1	7
1499	MISC NONMETALLIC MINERALS, NEC	436	AL	GRAPHITE	1	1	8
1499	MISC NONMETALLIC MINERALS, NEC	436	NR	OTHER MISC NONMETALLIC MINERAL	1	1	99
2011	MEAT PACKING PLANTS	432	A	SIMPLE SLAUGHTERHOUSE	1	1	1
2011	MEAT PACKING PLANTS	432	B	COMPLEX SLAUGHTERHOUSE	1	1	2
2011	MEAT PACKING PLANTS	432	C	LOW-PROCESSING PACKING HOUSE	1	1	3
2011	MEAT PACKING PLANTS	432	D	HIGH-PROCESSING PACKING HOUSE	1	1	4
2013	SAUSAGES & OTHER PREPARED MEATS	432	E	SMALL PROCESSOR	1	1	1
2013	SAUSAGES & OTHER PREPARED MEATS	432	F	MEAT CUTTER	1	1	2
2013	SAUSAGES & OTHER PREPARED MEATS	432	G	SAUSAGE AND LUNCHEON MEATS PROCESSOR	1	1	3
2013	SAUSAGES & OTHER PREPARED MEATS	432	H	HAM PROCESSOR	1	1	4
2013	SAUSAGES & OTHER PREPARED MEATS	432	I	CANNED MEATS PROCESSOR	1	1	5
2015	POULTRY DRESSING PLANTS	432	B	COMPLEX SLAUGHTERHOUSE	1	1	2
2015	POULTRY DRESSING PLANTS	432	A	SIMPLE SLAUGHTERHOUSE	1	1	1
2015	POULTRY DRESSING PLANTS	432	C	LOW-PROCESSING PACKING HOUSE	1	1	3
2015	POULTRY DRESSING PLANTS	432	D	HIGH-PROCESSING PACKING HOUSE	1	1	4
2015	POULTRY AND EGG PROCESSING	432	E	SMALL PROCESSOR	1	1	1
2015	POULTRY AND EGG PROCESSING	432	F	MEAT CUTTER	1	1	2
2015	POULTRY AND EGG PROCESSING	432	G	SAUSAGE AND LUNCHEON MEATS PROCESSOR	1	1	3
2015	POULTRY AND EGG PROCESSING	432	H	HAM PROCESSOR	1	1	4
2015	POULTRY AND EGG PROCESSING	432	I	CANNED MEATS PROCESSOR	1	1	5
2021	CREAMERY BUTTER	405	D	BUTTER	1	1	0
2022	CHEESE, NATURAL AND PROCESSED	405	F	NATURAL AND PROCESSED CHEESE	1	1	0
2023	CONDENSED AND EVAPORATED MILK	405	I	CONDENSED MILK	1	1	1
2023	CONDENSED AND EVAPORATED MILK	405	J	DRY MILK	1	1	2
2023	CONDENSED AND EVAPORATED MILK	405	K	CONDENSED WHEY	1	1	3
2023	CONDENSED AND EVAPORATED MILK	405	L	DRY WHEY	1	1	4
2024	ICE CREAM AND FROZEN DESSERTS	405	H	ICE CREAM, FROZEN DESSERTS, NOVELTIES	1	1	0
2026	FLUID MILK	405	B	FLUID PRODUCTS	1	1	1
2026	FLUID MILK	405	C	CULTURED PRODUCTS	1	1	2
2026	FLUID MILK	405	E	COTTAGE CHEESE AND CULTURED CREAM CHEESE	1	1	3
2026	FLUID MILK	405	G	MIX FOR ICE CREAM, OTHER DESSERTS	1	1	4
2032	CANNED SPECIALTIES	407	H	CANNED AND MISC. SPECIALTIES	1	1	0
2033	CANNED FRUITS, VEGETABLES, PRESERVES	407	A	APPLE JUICE	1	1	1
2033	CANNED FRUITS, VEGETABLES, PRESERVES	407	B	APPLE PRODUCTS	1	1	2
2033	CANNED FRUITS, VEGETABLES, PRESERVES	407	C	CITRUS PRODUCTS	1	1	3
2033	CANNED FRUITS, VEGETABLES, PRESERVES	407	F	CANNED AND PRESERVED FRUITS	1	1	4
2033	CANNED FRUITS, VEGETABLES, PRESERVES	407	G	CANNED AND PRESERVED VEGETABLES	1	1	5
2033	CANNED FRUITS, VEGETABLES, PRESERVES	407	H	CANNED AND PRESERVED SPECIALTIES	1	1	6
2034	DRIED & DEHYDRATED FRUITS, VEGS	407	E	DEHYDRATED POTATO PRODUCTS	1	1	1
2034	DRIED & DEHYDRATED FRUITS, VEGS	407	F	CANNED AND PRESERVED FRUITS	1	1	2
2034	DRIED & DEHYDRATED FRUITS, VEGS	407	G	CANNED AND PRESERVED VEGETABLES	1	1	3
2035	PICKLED FRUITS & VEG., VEG. SAUCES	407	F	CANNED AND PRESERVED FRUITS	1	1	1
2035	PICKLED FRUITS & VEG., VEG. SAUCES	407	G	CANNED AND PRESERVED VEGETABLES	1	1	2
2035	PICKLED FRUITS & VEG., VEG. SAUCES	407	H	CANNED AND MISC. SPECIALTIES	1	1	3
2037	FROZEN FRUITS, FRUIT JUICES & VEGS	407	A	APPLE JUICES	1	1	1
2037	FROZEN FRUITS, FRUIT JUICES & VEGS	407	G	CANNED AND PRESERVED VEGETABLES	1	1	6

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2037	FROZEN FRUITS, FRUIT JUICES & VEGS	407	C	CITRUS PRODUCTS	1	1	3
2037	FROZEN FRUITS, FRUIT JUICES & VEGS	407	D	FROZEN POTATO PRODUCTS	1	1	4
2037	FROZEN FRUITS, FRUIT JUICES & VEGS	407	F	CANNED AND PRESERVED FRUITS	1	1	5
2037	FROZEN FRUITS, FRUIT JUICES & VEGS	407	B	APPLE PRODUCTS	1	1	2
2038	FROZEN SPECIALTIES	407	H	CANNED AND MISC SPECIALTIES	1	1	1
2053	FROZEN BAKERY PRODUCTS	407	H	CANNED AND MISC SPECIALTIES	1	1	2
2041	FLOUR & OTHER GRAIN MILL PRODUCTS	406	B	CORN DRY MILLING	1	1	1
2041	FLOUR & OTHER GRAIN MILL PRODUCTS	406	C	NORMAL WHEAT FLOUR MILLING	1	1	2
2041	FLOUR & OTHER GRAIN MILL PRODUCTS	406	D	BULGUR WHEAT FLOUR MILLING	1	1	3
2043	CEREAL BREAKFAST FOODS	406	H	HOT CEREAL	1	1	1
2043	CEREAL BREAKFAST FOODS	406	I	READY-TO-EAT-CEREAL	1	1	2
2044	RICE MILLING	406	E	NORMAL RICE MILLING	1	1	1
2044	RICE MILLING	406	F	PARBOILED RICE PROCESSING	1	1	2
2045	PREPARED FLOUR MIXES & DOUGHS		NR		1	1	99
2046	WET CORN MILLING	406	A	CORN WET MILLING	1	1	1
2046	WET CORN MILLING	406	J	WHEAT STARCH AND GLUTEN	1	1	2
2047	DOG AND CAT FOOD	406	G	ANIMAL FEED	1	1	1
2048	ANIMAL FEED, EXCEPT DOG & CAT FOOD	406	G	ANIMAL FEED	1	1	0
2051	BREAD & OTHER BAKERY PRODUCTS, EXCEPT COOKIES & CRACKERS		NR		1	1	99
2052	COOKIES AND CRACKERS		NR		1	1	99
2061	CANE SUGAR, EXCEPT REFINING ONLY	409	D	LOUISIANA RAW CANE SUGAR PROCESSING	1	1	1
2061	CANE SUGAR, EXCEPT REFINING ONLY	409	E	FLORIDA & TEXAS RAW CANE SUGAR PROCESSING	1	1	2
2061	CANE SUGAR, EXCEPT REFINING ONLY	409	F	HILO-HANAKUA/HAWAII CANE SUGAR PROCESSING	1	1	3
2061	CANE SUGAR, EXCEPT REFINING ONLY	409	G	HAWAIIAN RAW CANE SUGAR PROCESSING	1	1	4
2061	CANE SUGAR, EXCEPT REFINING ONLY	409	H	PUERTO RICAN RAW CANE SUGAR PROCESSING	1	1	5
2062	CANE SUGAR REFINING	409	B	CRYSTALLINE CANE SUGAR REFINING	1	1	1
2062	CANE SUGAR REFINING	409	C	LIQUID CANE SUGAR REFINING	1	1	2
2063	BEET SUGAR	409	A	BEET SUGAR PROCESSING	1	1	0
2068	SALTED & ROASTED NUTS & SEEDS		NR		1	1	99
2064	CANDY & OTHER CONFECTIONARY PRODUCTS		NR		1	1	99
2066	CHOCOLATE AND COCOA PRODUCTS		NR		1	1	99
2067	CHEWING GUM		NR		1	1	99
2074	COTTONSEED OIL MILLS		NR		1	1	99
2075	SOYBEAN OIL MILLS		NR		1	1	99
2076	VEG. OIL MILLS, EXCEPT CORN, COTTONSEED		NR		1	1	99
2077	ANIMAL AND MARINE FATS AND OILS	408	O	FISH MEAL PROCESSING	1	1	0
2077	ANIMAL AND MARINE FATS AND OILS		NR		1	1	99
2079	SHORTENING, TABLE OILS, MARGARINE & OTHERS		NR		1	1	99
2082	MALT BEVERAGES		NR		1	1	99
2083	MALT		NR		1	1	99
2084	WINES, BRANDY AND BRANDY SPIRITS		NR		1	1	99
2085	DISTILLED, RECTIFIED AND BLENDED LIQUORS		NR		1	1	99
2086	BOTTLED & CANNED SOFT DRINKS & CARBONATED WATERS		NR		1	1	99
2087	FLAVORING EXTRACTS & FLAVORING SYRUPS, NEC		NR		1	1	99
2091	CANNED AND CURED FISH AND SEAFOODS	408	N	BREADED SHRIMP PROC/CONTIGUOUS STATES	1	1	12
2091	CANNED AND CURED FISH AND SEAFOODS	408	R	W COAST HAND-BUTCHERED SALMON PROCESSING	1	1	16
2091	CANNED AND CURED FISH AND SEAFOODS	408	B	CONVENTIONAL BLUE CRAB PROCESSING	1	1	1
2091	CANNED AND CURED FISH AND SEAFOODS	408	C	MECHANIZED BLUE CRAB PROCESSING	1	1	2
2091	CANNED AND CURED FISH AND SEAFOODS	408	D	NON-REMOTE ALASKAN CRAB MEAT PROCESSING	1	1	3

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2091	CANNED AND CURED FISH AND SEAFOODS	408	E	REMOTE ALASKAN CRAB MEAT PROCESSING	1	1	4
2091	CANNED AND CURED FISH AND SEAFOODS	408	F	NON-REMOTE ALASKAN CRAB/SECTION PROCESS	1	1	5
2091	CANNED AND CURED FISH AND SEAFOODS	408	G	REMOTE ALASKAN CRAB/SECTION PROCESSING	1	1	6
2091	CANNED AND CURED FISH AND SEAFOODS	408	H	DUNG & TANNER CRAB PROCESS/CONTIG STATES	1	1	7
2091	CANNED AND CURED FISH AND SEAFOODS	408	I	NON-REMOTE ALASKAN SHRIMP PROCESSING	1	1	8
2091	CANNED AND CURED FISH AND SEAFOODS	408	W	HAND-SHUCKED CLAM PROCESSING	1	1	21
2091	CANNED AND CURED FISH AND SEAFOODS	408	X	MECHANIZED CLAM PROCESSING	1	1	22
2091	CANNED AND CURED FISH AND SEAFOODS	408	K	NORTHERN SHRIMP PROCESSING/CONTIG STATES	1	1	10
2091	CANNED AND CURED FISH AND SEAFOODS	408	Y	PAC COAST HAND-SHUCKED OYSTER PROCESSING	1	1	23
2091	CANNED AND CURED FISH AND SEAFOODS	408	N	TUNA PROCESSING	1	1	13
2091	CANNED AND CURED FISH AND SEAFOODS	408	Z	AT/GLF COAST HAND-SHUCKED OYSTER PROCESS	1	1	24
2091	CANNED AND CURED FISH AND SEAFOODS	408	O	ALASKAN MECHANIZED SALMON PROCESSING	1	1	15
2091	CANNED AND CURED FISH AND SEAFOODS	408	AA	STEAMED AND CANNED OYSTER PROCESSING	1	1	25
2091	CANNED AND CURED FISH AND SEAFOODS	408	T	ALASKAN BOTTOM FISH PROCESSING	1	1	18
2091	CANNED AND CURED FISH AND SEAFOODS	408	AB	SARDINE PROCESSING	1	1	26
2091	CANNED AND CURED FISH AND SEAFOODS	408	V	NON-ALASKAN MECH BOTTOM FISH PROCESSING	1	1	20
2091	CANNED AND CURED FISH AND SEAFOODS	408	AC	ALASKAN SCALLOP PROCESSING	1	1	27
2091	CANNED AND CURED FISH AND SEAFOODS	408	L	SO NON-BREADED SHRIMP PROCESS/CNTG STS	1	1	11
2091	CANNED AND CURED FISH AND SEAFOODS	408	S	WEST COAST MECHANIZED SALMON PROCESSING	1	1	17
2091	CANNED AND CURED FISH AND SEAFOODS	408	U	NON-ALASKAN CONV BOTTOM FISH PROCESSING	1	1	19
2091	CANNED AND CURED FISH AND SEAFOODS	408	J	REMOTE ALASKAN SHRIMP PROCESSING	1	1	9
2091	CANNED AND CURED FISH AND SEAFOODS	408	P	ALASKAN HAND-BUTCHERED SALMON PROCESSING	1	1	14
2091	CANNED AND CURED FISH AND SEAFOODS	408	AD	NON-ALASKAN SCALLOP PROCESSING	1	1	28
2091	CANNED AND CURED FISH AND SEAFOODS	408	AE	ALASKAN HERRING FILLET PROCESSING	1	1	29
2091	CANNED AND CURED FISH AND SEAFOODS	408	AF	NON-ALASKAN HERRING FILLET PROCESSING	1	1	30
2091	CANNED AND CURED FISH AND SEAFOODS	408	AG	ABALONE PROCESSING	1	1	31
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	A	FARM RAISED CATFISH PROCESSING	1	1	1
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	Y	PAC COAST HAND-SHUCKED OYSTER PROCESSING	1	1	24
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	Z	AT/GLF COAST HAND-SHUCKED OYSTER PROCESS	1	1	25
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	C	MECHANIZED BLUE CRAB PROCESSING	1	1	3
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	AB	SARDINE PROCESSING	1	1	26
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	E	REMOTE ALASKAN CRAB MEAT PROCESSING	1	1	5
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	AC	ALASKAN SCALLOP PROCESSING	1	1	27

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2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	G	REMOTE ALA WHOLE CRAB/SECTION PROCESSING	1	1	7
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	AD	NON-ALASKAN SCALLOP PROCESSING	1	1	28
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	I	NON-REMOTE ALASKAN SHRIMP PROCESSING	1	1	9
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	AE	ALASKAN HERRING FILLET PROCESSING	1	1	29
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	K	NORTHERN SHRIMP PROCESSING/CONTIG STATES	1	1	11
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	AF	NON-ALASKAN HERRING FILLET PROCESSING	1	1	30
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	M	BREADED SHRIMP PROC/CONTIGUOUS STATES	1	1	13
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	AG	ABALONE PROCESSING	1	1	31
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	G	ALASKAN MECHANIZED SALMON PROCESSING	1	1	16
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	P	ALASKAN HAND-BUTCHERED SALMON PROCESSING	1	1	15
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	S	WEST COAST MECHANIZED SALMON PROCESSING	1	1	18
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	U	NON-ALASKAN CONV BOTTOM FISH PROCESSING	1	1	20
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	H	DUNG & TANNER CRAB PROCESS/CONTIG STATES	1	1	8
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	J	REMOTE ALASKAN SHRIMP PROCESSING	1	1	10
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	X	MECHANIZED CLAM PROCESSING	1	1	23
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	D	NON-REMOTE ALASKAN CRAB MEAT PROCESSING	1	1	4
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	F	NON-REMOTE WHOLE CRAB/SECTION PROCESSING	1	1	6
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	U	HAND-SHUCKED CLAM PROCESSING	1	1	22
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	B	CONVENTIONAL BLUE CRAB PROCESSING	1	1	2
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	L	NON-BREAD SHRIMP PROCESS/CONTIG STATES	1	1	12
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	N	TUNA PROCESSING	1	1	14
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	R	WEST COAST BUTCHERED SALMON PROCESSING	1	1	17
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	T	ALASKAN BOTTOM FISH PROCESSING	1	1	19
2092	FRESH OR FROZEN PACKAGED FISH AND SEAFOOD	408	V	NON-ALASKAN MECH BOTTOM FISH PROCESSING	1	1	21
2095	ROASTED COFFEE		NR		1	1	99
2097	MANUFACTURED ICE		NR		1	1	99
2098	MACARONI, SPAGHETTI, VERMICELLI & NOODLES		NR		1	1	99
2099	FOOD PREPARATIONS, NEC		NR		1	1	99
2096	POTATO CHIPS, CORN CHIPS		NR		1	1	99
2066	CHOCOLATE & COCOA PRODUCTS		NR		1	1	99
2111	CIGARETTES		NR		1	1	99
2121	CIGARS		NR		1	1	99
2131	TOBACCO (CHEWING AND SMOKING) AND SNUFF		NR		1	1	99
2141	TOBACCO STEMMING AND REDRYING		NR		1	1	99
2211	BROAD WOVEN FABRIC MILLS, COTTON	410	C	LOW WATER USE PROCESSING	2	9	1
2211	BROAD WOVEN FABRIC MILLS, COTTON	410	C	LOW WATER USE PROCESSING	2	9	2
2211	BROAD WOVEN FABRIC MILLS, COTTON	410	D	WOVEN FABRIC FINISHING	9	10	3
2221	BROAD WOVEN FABRIC MILLS, SYNTHETICS	410	D	WOVEN FABRIC FINISHING	9	10	3

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2221	BROAD WOVEN FABRIC MILLS, SYNTHETICS	410	C	LOW WATER USE PROCESSING	2	9	2
2221	BROAD WOVEN FABRIC MILLS, SYNTHETICS	410	C	LOW WATER USE PROCESSING	2	9	1
2231	BROAD WOVEN FABRIC MILLS, WOOL	410	B	WOOL FINISHING	9	10	2
2231	BROAD WOVEN FABRIC MILLS, WOOL	410	C	LOW WATER USE PROCESSING	2	9	1
2241	NARROW FABRICS AND OTHER SMALLWARES MILL	410	C	LOW WATER USE PROCESSING	2	9	1
2241	NARROW FABRICS AND OTHER SMALLWARES MILL	410	C	LOW WATER USE PROCESSING	2	9	2
2251	WOMEN'S FULL LENGTH & KNEE LENGTH HOSIERY	410	E	KNIT FABRIC FINISHING	9	10	0
2251	WOMEN'S FULL LENGTH & KNEE LENGTH HOSIERY		NR	NO FINISHING	1	1	99
2252	HOSIERY, NEC	410	E	KNIT FABRIC FINISHING	9	10	0
2252	HOSIERY, NEC		NR	NO FINISHING	1	1	99
2253	KNIT OUTERWEAR MILLS	410	E	KNIT FABRIC FINISHING	9	10	0
2253	KNIT OUTERWEAR MILLS		NR	NO FINISHING	1	1	99
2254	KNIT UNDERWEAR MILLS	410	E	KNIT FABRIC FINISHING	9	10	0
2254	KNIT UNDERWEAR MILLS		NR	NO FINISHING	1	1	99
2257	WEFT KNIT FABRIC MILLS	410	E	KNIT FABRIC FINISHING	9	10	0
2257	WEFT KNIT FABRIC MILLS		NR	NO FINISHING	1	1	99
2258	WARP KNIT FABRIC MILLS	410	E	KNIT FABRIC FINISHING	9	10	0
2258	WARP KNIT FABRIC MILLS		NR	NO FINISHING	1	1	99
2259	KNITTING MILLS, NEC	410	E	KNIT FABRIC FINISHING	9	10	0
2259	KNITTING MILLS, NEC		NR	NO FINISHING	1	1	99
2261	FINISHERS OF BROAD WOVEN COTTON	410	D	WOVEN FABRIC FINISHING	9	10	0
2262	FINISHERS OF BROAD WOVEN SYNTHETICS	410	D	WOVEN FABRIC FINISHING	9	10	0
2269	FINISHERS OF TEXTILES, NEC	410	D	WOVEN FABRIC FINISHING	9	10	1
2269	FINISHERS OF TEXTILES, NEC	410	G	STOCK & YARN FINISHING	7	9	2
2273	WOVEN CARPETS AND RUGS	410	C	LOW WATER USE PROCESSING	2	9	2
2273	WOVEN CARPETS AND RUGS	410	F	CARPET FINISHING	1	8	1
2273	TUFTED CARPETS AND RUGS	410	C	LOW WATER USE PROCESSING	2	9	1
2273	TUFTED CARPETS AND RUGS	410	F	CARPET FINISHING	1	8	2
2273	CARPETS AND RUGS, NEC	410	F	CARPET FINISHING	1	8	1
2273	CARPETS AND RUGS, NEC	410	C	LOW WATER USE PROCESSING	2	9	2
2281	YARN SPINNING MILLS: COTTON, MAN- MADE FIB	410	C	LOW WATER USE PROCESSING	2	9	2
2281	YARN SPINNING MILLS: COTTON, MAN- MADE FIB	410	C	LOW WATER USE PROCESSING	2	9	1
2282	YARN TEXTURIZING, THROWING, TWISTING & WINDING	410	C	LOW WATER USE PROCESSING	2	9	1
2282	YARN TEXTURIZING, THROWING, TWISTING & WINDING	410	C	LOW WATER USE PROCESSING	2	9	2
2284	YARN MILLS, WOOL, INCLUDING CARPET & RUG	410	C	LOW WATER USE PROCESSING	2	9	1
2281	YARN MILLS, WOOL, INCLUDING CARPET & RUG	410	C	LOW WATER USE PROCESSING	2	9	2
2282	YARN MILLS, WOOL, INCLUDING CARPET & RUG	410	C	LOW WATER USE PROCESSING	2	9	3
2284	YARN MILLS, WOOL, INCLUDING CARPET & RUG	410	C	STOCK & YARN FINISHING	7	9	4
2284	THREAD MILLS	410	C	LOW WATER USE PROCESSING	2	9	1
2284	THREAD MILLS	410	G	STOCK & YARN FINISHING	7	9	2
2299	FELT GOODS, EXC WOVEN FELTS AND HATS	410	I	FELTED FABRIC PROCESSING	1	5	0
2258	LACE GOODS	410	C	LOW WATER USE PROCESSING	2	9	1
2258	LACE GOODS	410	E	KNIT FABRIC FINISHING	9	10	2
2299	PADDINGS AND UPHOLSTERY FILLING		NR	PADDING AND UPHOLSTERY FILLING	1	1	99
2299	PROCESSED WASTE & RECOVERED FIBERS	410	C	LOW WATER USE PROCESSING	2	9	0
2295	COATED FABRICS, NOT RUBBERIZED	410	C	LOW WATER USE PROCESSING	2	9	0
2296	TIRE CORD AND FABRIC	410	C	LOW WATER USE PROCESSING	2	9	0
2297	NONWOVEN FABRICS	410	H	NONWOVEN MANUFACTURING	1	8	0
2298	CORDAGE AND TWINE	410	C	LOW WATER USE PROCESSING	2	9	0

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2299	TEXTILE GOODS NEC	410	A	WOOL SCOURING	10	10	1
2299	TEXTILE GOODS NEC	410	C	LOW WATER USE PROCESSING	2	9	2
2311	MEN'S & BOY'S SUITS & COATS		NR		1	1	99
2321	MEN'S & BOY'S SHIRTS (EXCEPT WORK)		NR		1	1	99
2322	MEN'S & BOY'S UNDERWEAR		NR		1	1	99
2323	MENS & BOY'S NECKWEAR		NR		1	1	99
2325	MEN'S & BOY'S SEPARATE TROUSERS		NR		1	1	99
2326	MEN'S & BOY'S WORK CLOTHING		NR		1	1	99
2329	MEN'S & BOY'S CLOTHING, NEC		NR		1	1	99
2331	WOMEN'S, MISSES & JUNIORS' BLOUSES & SHIRTS		NR		1	1	99
2335	WOMEN'S, MISSES' & JUNIORS' DRESSES		NR		1	1	99
2337	WOMEN'S, MISSES' & JUNIORS' SUITS, SKIRTS		NR		1	1	99
2339	WOMEN'S, MISSES' & JUNIORS OUTERWEAR, NEC		NR		1	1	99
2341	WOMEN'S, MISSES', CHILDREN'S & INFANTS' UNDERWEAR & NIGHTWEAR		NR		1	1	99
2342	BRASSIERS, GIRDLES & ALLIED GARMENTS		NR		1	1	99
2353	HATS, CAPS & MILLINERY		NR		1	1	99
2361	GIRL'S, CHILDREN'S & INFANT'S DRESSES		NR		1	1	99
2369	GIRL'S, CHILDREN'S & INFANT'S OUTERWEAR		NR		1	1	99
2371	FUR GOODS		NR		1	1	99
2381	DRESS & WORK GLOVES, EXCEPT KNIT & ALL-LEATHER		NR		1	1	99
2384	ROBES & DRESSING GOWNS		NR		1	1	99
2385	WATERPROOF OUTERWEAR		NR		1	1	99
2386	LEATHER & SHEEP-LINED CLOTHING		NR		1	1	99
2387	APPAREL BELTS		NR		1	1	99
2389	APPAREL & ACCESSORIES, NEC		NR		1	1	99
2391	CURTAINS & DRAPERIES		NR		1	1	99
2392	HOUSEFURNISHINGS, EXCEPT CURTAINS & DRAPERIES		NR		1	1	99
2393	TEXTILE BAGS		NR		1	1	99
2394	CANVAS & RELATED PRODUCTS		NR		1	1	99
2395	PLEATING, DECORATIVE & NOVELTY STITCHING		NR		1	1	99
2396	AUTOMOTIVE TRIMMINGS, APPAREL FINDINGS		NR		1	1	99
2397	SCHIFFLI MACHINE EMBROIDERIES		NR		1	1	99
2399	FABRICATED TEXTILE PRODUCTS, NEC		NR		1	1	99
2411	LOGGING	429	I	WET STORAGE	1	1	1
2411	LOGGING	429	U	LOG WASHING	1	1	2
2411	LOGGING, NEC		NR		1	1	99
2411	SAWMILLS & PLANNING MILLS, GENERAL				3	3	1
2421	SAWMILLS & PLANNING MILLS, GENERAL	429	A	BARKING	1	1	2
2421	SAWMILLS & PLANNING MILLS, GENERAL	429	K	SAWMILLS AND PLANNING MILLS	1	1	3
2421	SAWMILLS & PLANNING MILLS, GENERAL	429	L	FINISHING	1	1	4
2426	HARDWOOD DIMENSION & FLOORING MILLS	429	A	BARKING	1	1	1
2426	HARDWOOD DIMENSION & FLOORING MILLS	429	I	WET STORAGE	1	1	2
2426	HARDWOOD DIMENSION & FLOORING MILLS	429	J	LOG WASHING	1	1	3
2426	HARDWOOD DIMENSION & FLOORING MILLS	429	K	SAWMILLS AND PLANNING MILLS	1	1	4
2426	HARDWOOD DIMENSION & FLOORING MILLS	429	L	FINISHING	1	1	5
2429	SPECIAL PRODUCT SAWMILLS NEC	429	I	WET STORAGE	1	1	1
2429	SPECIAL PRODUCT SAWMILLS NEC	429	J	LOG WASHING	1	1	2
2429	SPECIAL PRODUCT SAWMILLS NEC	429	K	SAWMILLS AND PLANNING MILLS	1	1	3
2429	SPECIAL PRODUCT SAWMILLS NEC	429	L	MILLWORK	1	1	4
2431	MILLWORK	429	K	SAWMILLS AND PLANNING MILLS	1	1	1
2431	MILLWORK	429	L	MILLWORK	1	1	2

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2434	WOOD KITCHEN CABINETS	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2434	WOOD KITCHEN CABINETS	429	P	WOOD FURN & FIXTURE PROD W/O WATER	1	1	2
2435	HARDWOOD VENEER AND PLYWOOD	429	A	BARKING	1	1	1
2435	HARDWOOD VENEER AND PLYWOOD	429	B	VENEER	1	1	3
2435	HARDWOOD VENEER AND PLYWOOD	429	C	PLYWOOD	1	1	2
2435	HARDWOOD VENEER AND PLYWOOD	429	I	WET STORAGE	1	1	4
2435	HARDWOOD VENEER AND PLYWOOD	429	J	LOG WASHING	1	1	5
2436	SOFTWOOD VENEER AND PLYWOOD	429	A	BARKING	1	1	1
2436	SOFTWOOD VENEER AND PLYWOOD	429	B	VENEER	1	1	3
2436	SOFTWOOD VENEER AND PLYWOOD	429	C	PLYWOOD	1	1	2
2436	SOFTWOOD VENEER AND PLYWOOD	429	I	WET STORAGE	1	1	4
2436	SOFTWOOD VENEER AND PLYWOOD	429	J	LOG WASHING	1	1	5
2439	STRUCTURAL WOOD MEMBERS, NEC		NR		1	1	99
2441	NAILED & LOCK CORNER WOOD BOXES & SHOOK		NR		1	1	99
2448	WOOD PALLETS AND SKIDS		NR		1	1	99
2449	WOOD CONTAINERS NEC	429	K	SAWMILLS AND PLANNING MILLS	1	1	0
2451	MOBILE HOMES		NR		1	1	99
2452	PREFABRICATED WOOD BUILDINGS AND COMPONENTS		NR		1	1	99
2491	WOOD PRESERVING	429	A	BARKING	10	10	4
2491	WOOD PRESERVING	429	J	LOG WASHING	10	10	6
2491	WOOD PRESERVING	429	G	WOOD PRESERVING-STEAM	10	10	1
2491	WOOD PRESERVING	429	H	WOOD PRESERVING-BOULTONING	10	10	2
2491	WOOD PRESERVING	429	I	WET STORAGE	10	10	5
2491	WOOD PRESERVING	429	F	WOOD PRESERVING	10	10	3
2493	RECONSTITUTED WOOD PRODUCTS	429	M	PARTICLEBOARD	3	3	0
2493	WOOD PRODUCTS NEC		NR		3	3	99
2499	WOOD PRODUCTS NEC	429	M	PARTICLEBOARD	1	1	1
2499	WOOD PRODUCTS NEC	429	A	BARKING	1	1	2
2499	WOOD PRODUCTS NEC	429	D	HARDBOARD - DRY PROCESS	1	1	3
2499	WOOD PRODUCTS NEC	429	E	HARDBOARD - WET PROCESS	1	7	4
2499	WOOD PRODUCTS NEC	429	I	WET STORAGE	1	1	5
2499	WOOD PRODUCTS NEC	429	J	LOG WASHING	1	1	6
2499	WOOD PRODUCTS NEC	429	L	FINISHING	1	1	7
2511	WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLSTERED	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2511	WOOD HOUSEHOLD FURNITURE, EXCEPT UPHOLSTERED	429	P	WOOD FURN & FIXTURE PROD W/WATER	1	1	2
2512	WOOD HOUSEHOLD FURNITURE, UPHOLSTERED	429	Q	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2512	WOOD HOUSEHOLD FURNITURE, UPHOLSTERED	429	P	WOOD FURN & FIXTURE PROD W/WATER	1	1	2
2514	METAL HOUSEHOLD FURNITURE	433	A	METAL FINISHING	1	9	1
2514	METAL HOUSEHOLD FURNITURE		NR	NO ELECTROPLATING	1	1	99
2515	MATTRESSES AND BEDSPRINGS		NR		1	1	99
2517	WOOD TV, RADIO, PHONOGRAPH & SEWING MACHINE CABINETS	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2517	WOOD TV, RADIO, PHONOGRAPH & SEWING MACHINE CABINETS	429	P	WOOD FURN & FIXTURE PROD W/WATER	1	1	2
2519	HOUSEHOLD FURNITURE, NEC	429	P	WOOD FURN & FIXTURE PROD W WATER	1	1	2
2519	HOUSEHOLD FURNITURE, NEC	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2521	WOOD OFFICE FURNITURE	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2521	WOOD OFFICE FURNITURE	429	P	WOOD FURN & FIXTURE PROD W/WATER	1	1	2
2522	METAL OFFICE FURNITURE	433	A	METAL FINISHING	1	9	0
2522	METAL OFFICE FURNITURE		NR	NO ELECTROPLATING	1	1	99
2531	PUBLIC BUILDING AND RELATED FURNITURE	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2531	PUBLIC BUILDING AND RELATED FURNITURE	429	P	WOOD FURN & FIXTURE PROD W/WATER	1	1	2

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2541	WOOD PARTITIONS, SHELVING, LOCKERS & OFFICE FIXTURES	429	O	WOOD FURN & FIXTURE PROD W/O WATER	1	1	1
2541	WOOD PARTITIONS, SHELVING, LOCKERS & OFFICE FIXTURES	429	P	WOOD FURN & FIXTURE PROD W/O WATER	1	1	2
2542	METAL PARTITIONS, SHELVING, LOCKERS & OFFICE FIXTURES	433	A	METAL FINISHING	1	9	0
2542	METAL PARTITIONS, SHELVING, LOCKERS & OFFICE FIXTURES		NR	NO ELECTROPLATING	1	1	99
2591	DRAPERY HARDWARE & WINDOW BLINDS AND SHADES		NR		1	1	99
2522	FURNITURE AND FIXTURES, NEC	433	A	METAL FINISHING	1	9	1
2522	FURNITURE AND FIXTURES, NEC		NR	NO ELECTROPLATING	1	1	99
2542	FURNITURE AND FIXTURES, NEC	433	A	METAL FINISHING	1	9	2
2542	FURNITURE AND FIXTURES, NEC			NO ELECTROPLATING	1	1	3
2599	FURNITURE AND FIXTURES, NEC	429	O	WOOD FURNITURE & FIXTURE PROD W/O WATER	1	1	4
2599	FURNITURE AND FIXTURES, NEC	429	P	WOOD FURNITURE & FIXTURE PROD W/WATER	1	1	5
2611	PULP MILLS	430	A	UNBLEACHED KRAFT	10	10	1
2611	PULP MILLS	430	B	SEMI-CHEMICAL	1	5	2
2611	PULP MILLS	430	J	PAPER GRADE SULFITE (BLOW PIT WASH)	10	10	8
2611	PULP MILLS	430	D	UMBL KRAFT-NTRL SULFITE-SEMI-CHEM	10	10	3
2611	PULP MILLS	430	G	MARKET BLEACHED KRAFT	10	10	5
2611	PULP MILLS	430	H	BOARD, COARSE & KRAFT BLEACHED KRAFT	10	10	6
2611	PULP MILLS	430	I	FINE BLEACHED KRAFT	10	10	7
2611	PULP MILLS	430	F	DISSOLVING KRAFT	10	10	4
2611	PULP MILLS	430	K	DISSOLVING SULFITE PULP	10	10	9
2611	PULP MILLS	430	L	GROUNDWOOD CHEMI-MECHANICAL	2	4	10
2611	PULP MILLS	430	M	GROUNDWOOD THERMO-MECHANICAL	2	4	11
2611	PULP MILLS	430	N	GROUNDWOOD COARSE, MOLDED & NEWS PAPERS	2	4	12
2611	PULP MILLS	430	O	GROUNDWOOD FINE PAPERS	2	4	13
2611	PULP MILLS	430	P	SODA	4	5	14
2611	PULP MILLS	430	U	PAPER GRADE SULFITE (DRUM WASH)	8	8	15
2611	PULP MILLS	430	V	UNBLEACHED KRAFT & SEMI-CHEMICAL	10	10	16
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	A	UNBLEACHED KRAFT	10	10	1
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	B	SEMI-CHEMICAL	1	5	2
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	D	UMBL KRAFT-NTRL SULFITE-SEMI-CHEM	10	10	3
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	F	DISSOLVING KRAFT	10	10	4
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	G	MARKET BLEACHED KRAFT	10	10	5
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	H	BOARD, COARSE & KRAFT BLEACHED KRAFT	10	10	6
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	I	FINE BLEACHED KRAFT	10	10	7
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	J	PAPER GRADE SULFITE (BLOW PIT WASH)	10	10	8
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	O	GROUNDWOOD FINE PAPERS	2	4	13
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	L	GROUNDWOOD CHEMI-MECHANICAL	2	4	10
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	M	GROUNDWOOD THERMO-MECHANICAL	2	4	11
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	N	GROUNDWOOD COARSE, MOLDED & NEWS PAPERS	2	4	12
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	K	DISSOLVING SULFITE PULP	10	10	9
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	P	SODA	4	5	14
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	U	PAPER GRADE SULFITE (DRUM WASH)	8	8	15
2611	PAPER MILLS EXCEPT BUILDING PAPER	430	V	UNBLEACHED KRAFT AND SEMI-CHEMICAL	10	10	16
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	A	UNBLEACHED KRAFT	10	10	17
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	B	SEMI-CHEMICAL	1	5	18
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	D	UNBLEACHED KRAFT-NTRL SULFITE-SEMI-CHEM	10	10	19
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	U	PAPERGRADE SULFITE (DRUM WASH)	8	8	30

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2621	PAPER MILLS EXCEPT BUILDING PAPER	430	V	UNBLEACHED KRAFT & SEMI CHEMICAL	10	10	31
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	I	FINE BLEACHED KRAFT	10	10	21
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	X	NONINTEGRATED LIGHTWEIGHT PAPERS	1	2	32
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	L	GROUNDWOOD CHEMI-MECHANICAL	2	4	23
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	Y	NONINTEGRATED FILTER AND NONWOVEN PAPERS	1	5	33
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	N	GROUNDWOOD COARSE, MOLDED & NEWS PAPERS	2	4	25
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	P	SODA	4	5	27
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	R	NONINTEGRATED FINE PAPERS	1	5	29
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	H	BOARD, COARSE & TISSUE BLEACHED KRAFT	10	10	20
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	J	PAPER GRADE SULFITE (BLOW PIT WASH)	10	10	22
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	M	GROUNDWOOD THERMO-MECHANICAL	2	4	24
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	O	GROUNDWOOD FINE PAPERS	2	4	26
2621	PAPER MILLS EXCEPT BUILDING PAPER	430	Q	DEINK	4	7	28
2611	PAPERBOARD MILLS	430	A	UNBLEACHED KRAFT	10	10	1
2611	PAPERBOARD MILLS	430	B	SEMI-CHEMICAL	1	5	2
2611	PAPERBOARD MILLS	430	D	UNBLEACHED KRAFT-NTRL SULFITE- SEMI-CHEM	10	10	3
2611	PAPERBOARD MILLS	430	H	BOARD, COARSE & TISSUE BLEACHED KRAFT	10	10	4
2611	PAPERBOARD MILLS	430	I	FINE BLEACHED KRAFT	10	10	5
2611	PAPERBOARD MILLS	430	J	PAPER GRADE SULFITE (BLOW PIT WASH)	5	8	6
2611	PAPERBOARD MILLS	430	L	GROUNDWOOD CHEMI-MECHANICAL	2	4	7
2611	PAPERBOARD MILLS	430	M	GROUNDWOOD THERMO-MECHANICAL	2	4	8
2631	PAPERBOARD MILLS	430	A	SEMI-CHEMICAL	1	5	19
2611	PAPERBOARD MILLS	430	N	GROUNDWOOD COARSE, MOLDED & NEWS PAPERS	2	4	9
2631	PAPERBOARD MILLS	430	D	UNBL KRAFT NTRL SULFITE SEMI- CHEM	10	10	20
2611	PAPERBOARD MILLS	430	P	SODA	4	5	11
2631	PAPERBOARD MILLS	430	E	PAPERBOARD FROM WASTEPAPER	2	6	21
2611	PAPERBOARD MILLS	430	R	NONINTEGRATED FINE PAPERS	1	5	13
2631	PAPERBOARD MILLS	430	H	BOARD, COARSE TISSUE BLEACHED KRAFT	10	10	22
2611	PAPERBOARD MILLS	430	V	UNBLEACHED KRAFT & SEMI- CHEMICAL	10	10	15
2631	PAPERBOARD MILLS	430	S	NONINTEGRATED TISSUE PAPERS	1	4	23
2611	PAPERBOARD MILLS	430	Y	NONINTEGRATED FILTER AND NONWOVEN PAPERS	1	5	17
2631	PAPERBOARD MILLS	430	V	UNBLEACHED KRAFT AND SEMI- CHEMICAL	10	10	24
2611	PAPERBOARD MILLS	430	O	GROUNDWOOD FINE PAPERS	2	4	10
2611	PAPERBOARD MILLS	430	U	PAPERGRADE SULFITE (DRUM WASH)	1	8	14
2611	PAPERBOARD MILLS	430	X	NONINTEGRATED LIGHTWEIGHT PAPERS	1	2	16
2631	PAPERBOARD MILLS	430	A	UNBLEACHED KRAFT	10	10	18
2611	PAPERBOARD MILLS	430	Q	DEINK	4	7	12
2631	PAPERBOARD MILLS	430	Z	NONINTEGRATED PAPERBOARD	1	4	25
2671	PAPER COATING AND GLAZING		NR	CONVERTED PAPER	1	1	99
2672	PAPER COATING AND GLAZING, NEC		NR	CONVERTED PAPER	1	1	99
2677	ENVELOPES		NR	CONVERTED PAPER	1	1	99
2674	UNCOATED BAGS, EXCEPT TEXTILE BAGS		NR	CONVERTED PAPER	1	1	99
2673	PLASTIC, FOIL & COATED BAGS, EXCEPT TEXTILE BAGS		NR	CONVERTED PAPER	1	1	99
2675	DIE-CUT PAPER, PAPERBOARD AND CARDBOARD		NR	CONVERTED PAPER	1	1	99
2679	PRESSED AND MOLDED PULP GOODS		NR	CONVERTED PAPER	1	1	99
2676	SANITARY PAPER PRODUCTS		NR	CONVERTED PAPER	1	1	99
2678	STATIONERY, TABLETS AND RELATED PRODUCTS		NR	CONVERTED PAPER	1	1	99

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2679	CONVERTED PAPER AND PAPERBOARD PRODUCTS		NR	CONVERTED PAPER	1	1	99
2657	FOLDING PAPERBOARD BOXES		NR	CONVERTED PAPER	1	1	99
2652	SET-UP PAPERBOARD BOXES		NR	CONVERTED PAPER	1	1	99
2653	CORRUGATED AND SOLID FIBER BOXES		NR	CONVERTED PAPER	1	1	99
2657	SANITARY FOOD CONTAINERS, FOLDING		NR	CONVERTED PAPER	1	1	99
2656	SANITARY FOOD CONTAINERS, EXCEPT FOLDING		NR	CONVERTED PAPER	1	1	99
2655	FIBER CANS, TUBES, DRUMS & SIMILAR PROD		NR	CONVERTED PAPER	1	1	99
2493	BUILDING PAPER & BUILDINGBOARD MILLS	429	M	PARTICLEBOARD	1	1	99
2621	BUILDING PAPER & BUILDINGBOARD MILLS	431	A	BUILDER'S PAPER AND ROOFING FELT	1	8	99
2711	NEWSPAPERS: PUBLISHING & PRINTING		NR		3	3	99
2721	PERIODICALS: PUBLISHING & PRINTING		NR		3	3	99
2731	BOOKS: PUBLISHING & PRINTING		NR		3	3	99
2732	BOOK PRINTING		NR		3	3	99
2741	MISCELLANEOUS PUBLISHING		NR		3	3	99
2759	COMMERCIAL PRINTING, LETTERPRESS & SCREEN		NR		3	3	99
2752	COMMERCIAL PRINTING, LITHOGRAPHIC		NR		3	3	99
2796	ENGRAVING & PLATE PRINTING		NR		3	3	99
2759	ENGRAVING & PLATE PRINTING		NR		3	3	99
2796	COMMERCIAL PRINTING, GRAVURE		NR		3	3	99
2754	COMMERCIAL PRINTING, GRAVURE		NR		3	3	99
2761	MANIFOLD BUSINESS FORMS		NR		3	3	99
2771	GREETING CARD PUBLISHING		NR		3	3	99
2782	BLANKBOOKS, LOSSELEAF BINDERS & DEVICES		NR		3	3	99
2789	BOOKBINDING & RELATED WORK		NR		3	3	99
2791	TYPESETTING		NR		3	3	99
2796	PHOTOENGRAVING		NR		3	3	99
2796	ELECTROTYPING & STEROTYPING		NR		3	3	99
2796	LITHOGRAPHIC PLATEMAKING & RELATED SERVICES		NR		3	3	99
2812	ALKALIES AND CHLORINE	415	F	CHLORINE & SODIUM OR POTASSIUM HYDR.	10	10	1
2812	ALKALIES AND CHLORINE	415	F	CHLORINE & SOD/POT HYDR. (MERCURY CELL)	10	10	3
2812	ALKALIES AND CHLORINE	415	F	CHLORINE & SOD/POT HYDR. (DIAPHRAGM CELL)	10	10	2
2812	ALKALIES AND CHLORINE	415	N	SODIUM BICARBONATE	3	3	5
2812	ALKALIES AND CHLORINE	415	O	SODIUM CARBONATE	6	6	4
2812	ALKALIES AND CHLORINE		NR	POTASSIUM CARBONATE	3	3	99
2812	ALKALIES AND CHLORINE		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2813	INDUSTRIAL GASES	415	AF	CARBON DIOXIDE	3	3	1
2813	INDUSTRIAL GASES	415	AO	HYDROGEN	3	3	2
2813	INDUSTRIAL GASES	415	AW	OXYGEN & NITROGEN	3	3	3
2813	INDUSTRIAL GASES		NR	GASES, IND COMPRESSED LIQUID/SOLID, NEC	3	3	99
2813	INDUSTRIAL GASES		NR	NITROUS OXIDE	3	3	99
2813	INDUSTRIAL GASES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2816	INORGANIC PIGMENTS	415	V	TITANIUM DIOXIDE (SULFATE PROCESS)	8	9	1
2816	INORGANIC PIGMENTS	415	V	TITANIUM DIOXIDE (CHLORIDE PROCESS)	1	2	2
2816	INORGANIC PIGMENTS	415	AM	CHROME PIGMENTS	1	8	3
2816	INORGANIC PIGMENTS		NR	BARYTES PIGMENTS	6	6	99
2816	INORGANIC PIGMENTS	415	BJ	ZINC OXIDE	6	6	4
2816	INORGANIC PIGMENTS		NR	LEAD DIOXIDE, BROWN (Pb02)	6	6	99
2816	INORGANIC PIGMENTS		NR	LEAD OXIDE, RED (Pb304)	6	6	99
2816	INORGANIC PIGMENTS		NR	BARIUM SULFATE	6	6	99
2816	INORGANIC PIGMENTS		NR	WHITE LEAD PIGMENT (Pb(OH)2+PbCO)3	6	6	99
2816	INORGANIC PIGMENTS		NR	IRON COLORS	6	6	99

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2816	INORGANIC PIGMENTS		NR	IRON OXIDE, BLACK	6	6	99
2816	INORGANIC PIGMENTS		NR	IRON OXIDE, MAGNETIC	6	6	99
2816	INORGANIC PIGMENTS		NR	IRON OXIDE, YELLOW	6	6	99
2816	INORGANIC PIGMENTS		NR	OCHERS	6	6	99
2816	INORGANIC PIGMENTS		NR	SATIN WHITE PIGMENT	6	6	99
2816	INORGANIC PIGMENTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2816	INORGANIC PIGMENTS		NR	ULTRAMARINE PIGMENT	6	6	99
2816	INORGANIC PIGMENTS		NR	UMBERS	6	6	99
2816	INORGANIC PIGMENTS		NR	WHITING	6	6	99
2816	INORGANIC PIGMENTS		NR	SIENNAS	6	6	99
2816	INORGANIC PIGMENTS	415	BL	CADIUM PIGMENTS	10	10	5
2819	INORGANIC CHEMICALS NEC	415	A	ALUMINUM CHLORIDE	6	6	1
2819	INORGANIC CHEMICALS NEC	415	B	ALUMINUM SULFATE	3	3	6
2819	INORGANIC CHEMICALS NEC	415	C	CALCIUM CARBIDE	3	3	26
2819	INORGANIC CHEMICALS NEC	415	D	CALCIUM CHLORIDE	6	6	28
28 19	INORGANIC CHEMICALS NEC	415	J	NITRIC ACID	3	3	81
2819	INORGANIC CHEMICALS NEC	415	G	HYDROCHLORIC ACID	3	3	51
2819	INORGANIC CHEMICALS NEC	415	H	HYDROFLUORIC ACID	8	9	52
2819	INORGANIC CHEMICALS NEC	415	I	HYDROGEN PEROXIDE	3	3	55
2819	INORGANIC CHEMICALS NEC	415	E	CALCIUM OXIDE	6	6	31
2819	INORGANIC CHEMICALS NEC	415	K	POTASSIUM METAL	3	3	166
2819	INORGANIC CHEMICALS NEC	415	L	POTASSIUM DICHROMATE	3	3	96
2819	INORGANIC CHEMICALS NEC	415	M	POTASSIUM SULFATE	6	6	102
2819	INORGANIC CHEMICALS NEC	415	P	SODIUM CHLORIDE	6	6	121
2819	INORGANIC CHEMICALS NEC	415	Q	SODIUM DICHROMATE/SODIUM SULFATE	3	3	124
2819	INORGANIC CHEMICALS NEC	415	R	SODIUM METAL	3	3	128
2819	INORGANIC CHEMICALS NEC	415	AD	CALCIUM CARBONATE	3	3	27
2819	INORGANIC CHEMICALS NEC	415	AE	CALCIUM HYDROXIDE	6	6	165
2819	INORGANIC CHEMICALS NEC	415	T	SODIUM SULFITE	6	6	131
2819	INORGANIC CHEMICALS NEC	415	AG	CALCIUM MONOXIDE & BY-PRODUCT HYDROGEN	3	3	32
2819	INORGANIC CHEMICALS NEC	415	W	ALUMINIUM FLUORIDE	7	8	3
2819	INORGANIC CHEMICALS NEC	415	AI	CHRONIC ACID	3	3	35
2819	INORGANIC CHEMICALS NEC	415	Y	AMMONIUM HYDROXIDE	3	3	11
2819	INORGANIC CHEMICALS NEC	415	AJ	COPPER SULFATE	10	10	43
2819	INORGANIC CHEMICALS NEC	415	AA	BORAX	3	3	19
2819	INORGANIC CHEMICALS NEC	415	AK	CUPROUS OXIDE	10	10	44
2819	INORGANIC CHEMICALS NEC	415	AC	BROMINE	3	3	24
2819	INORGANIC CHEMICALS NEC	415	AL	FERRIC CHLORIDE	3	3	45
2819	INORGANIC CHEMICALS NEC	415	U	SULFURIC ACID	3	3	144
2819	INORGANIC CHEMICALS NEC	415	Z	BARIUM CARBONATE	3	3	15
2819	INORGANIC CHEMICALS NEC	415	AB	BORIC ACID	6	6	20
2819	INORGANIC CHEMICALS NEC	415	S	SODIUM SILICATE	3	3	129
2819	INORGANIC CHEMICALS NEC	415	X	AMMONIUM CHLORIDE	3	3	9
2819	INORGANIC CHEMICALS NEC	415	AM	FERROUS SULFATE	3	3	46
2819	INORGANIC CHEMICALS NEC	415	AM	FLUORINE	3	3	48
2819	INORGANIC CHEMICALS NEC	415	AO	HYDROGEN	3	3	53
2819	INORGANIC CHEMICALS NEC	415	AP	HYDROGEN CYANIDE	1	7	54
2819	INORGANIC CHEMICALS NEC	415	AQ	IODINE	3	3	61
2819	INORGANIC CHEMICALS NEC		NR	SILVER OXIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AR	LEAD MONOXIDE	3	3	64
2819	INORGANIC CHEMICALS NEC		NR	SODA ALUM	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AT	MANGANESE SULFATE	3	3	71
2819	INORGANIC CHEMICALS NEC		NR	SODIUM ANTIMONIATE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AV	NITRIC ACIDE (STRONG)	3	3	80
2819	INORGANIC CHEMICALS NEC	415	BN	SODIUM CHLORATE	10	10	120
2819	INORGANIC CHEMICALS NEC	415	AY	POTASSIUM IODIDE	3	3	98
2819	INORGANIC CHEMICALS NEC		NR	SODIUM COMPOUNDS, INORGANIC	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BA	SILVER NITRATE	6	6	115
2819	INORGANIC CHEMICALS NEC		NR	SODIUM CYANIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BC	SODIUM FLUORIDE	3	3	125
2819	INORGANIC CHEMICALS NEC		NR	STANNIC AND STANNOUS CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BE	SODIUM HYDROSULFITE	3	3	126
2819	INORGANIC CHEMICALS NEC		NR	STRONTIUM CARBONATE (PRECIPITATED/OXIDE)	6	6	99

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2819	INORGANIC CHEMICALS NEC	415	BG	SODIUM THIOSULFATE	3	3	132
2819	INORGANIC CHEMICALS NEC		NR	STRONTIUM NITRATE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BI	SULFUR DIOXIDE	3	3	141
2819	INORGANIC CHEMICALS NEC		NR	SULFIDES & SULFITES	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BK	ZINC SULFATE	3	3	149
2819	INORGANIC CHEMICALS NEC		NR	SULFOCYANIDES	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	ALUMINUM HYDROXIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SULFUR CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	ALUMS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SULFUR HEXAFLUORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	ANNOMIUM COMPOUNDS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	THIOCYANATES, INORGANIC	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	AMMONIUM PERCHLORATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	TIN COMPOUNDS, INORGANIC	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	BARIUM COMPOUNDS (NOT PRODUCED AT MINES)	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	URANIUM SLAG, RADIOACTIVE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	BORON COMPOUNDS (NOT PRODUCED AT MINES)	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BO	ZINC CHLORIDE	10	10	147
2819	INORGANIC CHEMICALS NEC		NR	BRINE CHEMICALS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	ZINC SULFIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	CALCIUM HYPOCHLORITE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	CALCIUM	3	3	99
2819	INORGANIC CHEMICALS NEC		NR	CHLOROSULFONIC ACID	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	NON-CONTACT COOLING	1	1	99
2819	INORGANIC CHEMICALS NEC		NR	CHROMIUM SULFATE	6	6	99
2819	INORGANIC CHEMICALS NEC	419	E	INTEGRATED REFINERIES (SULFUR RECOVERY)	6	6	139
2819	INORGANIC CHEMICALS NEC	415	BM	COBALT SALTS (COBALT SULFATE)	1	8	39
2819	INORGANIC CHEMICALS NEC	421	A	BAUXITE REFINING	5	10	164
2819	INORGANIC CHEMICALS NEC		NR	COPPER CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	421	A	BAUXITE REFINING (ALUMINA)	5	10	168
2819	INORGANIC CHEMICALS NEC		NR	FISSIONABLE MATERIALS PRODUCTION	6	6	99
2819	INORGANIC CHEMICALS NEC	421	O	BERYLIUM OXIDE	5	10	17
2819	INORGANIC CHEMICALS NEC		NR	HYDRATED ALUMINUM SILICATE	6	6	99
2819	INORGANIC CHEMICALS NEC	422	A	PHOSPHORUS PRODUCTION	6	6	160
2819	INORGANIC CHEMICALS NEC		NR	HYDROPHOSPHITES	6	6	99
2819	INORGANIC CHEMICALS NEC	422	B	PHOSPHORUS CONSUMING	6	6	161
2819	INORGANIC CHEMICALS NEC		NR	INORGANIC ACIDS (EXC HNO2 OR H2PO4)	6	6	99
2819	INORGANIC CHEMICALS NEC	422	C	PHOSPHATE	6	6	162
2819	INORGANIC CHEMICALS NEC		NR	ISOTOPES, RADIOACTIVE	6	6	99
2819	INORGANIC CHEMICALS NEC	422	D	DEFLUORINATED PHOSPHATE ROCK	6	6	158
2819	INORGANIC CHEMICALS NEC		NR	LEAD SILICATE	6	6	99
2819	INORGANIC CHEMICALS NEC	422	E	DEFLUORINATED PHOSPHORIC ACID	6	6	159
2819	INORGANIC CHEMICALS NEC		NR	LUMINOUS COMPOUNDS (RADIUM)	6	6	99
2819	INORGANIC CHEMICALS NEC	422	F	SODIUM PHOSPHATES	6	6	163
2819	INORGANIC CHEMICALS NEC		NR	MANGANESE DIOXIDE (POWDER SYNTHETIC)	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AU	NICKEL SALTS (NICKEL CHLORIDE)	8	9	169
2819	INORGANIC CHEMICALS NEC		NR	MERCURY OXIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AU	NICKEL SALTS (NICKEL NITRATE)	8	9	170
2819	INORGANIC CHEMICALS NEC		NR	NUCLEAR FUEL REACTOR CASES, INORGANIC	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AU	NICKEL SALTS (NICKEL FLUOBORATE)	8	9	171
2819	INORGANIC CHEMICALS NEC		NR	OLEUM (FUMING SULFURIC ACID)	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AU	NICKEL SALTS (NICKEL CARBONATE)	8	9	172
2819	INORGANIC CHEMICALS NEC		NR	PERCHLORIC ACID	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AJ	COPPER SALTS (COPPER CHLORIDE)	10	10	173
2819	INORGANIC CHEMICALS NEC		NR	POTASH ALUM	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AJ	COPPER SALTS(COPPER IODIDE)	10	10	174
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM ALUMINUM SULFATE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AJ	COPPER SALTS (COPPER NITRATE)	10	10	175
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM CYANIDE	6	6	99

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2819	INORGANIC CHEMICALS NEC	415	AJ	COPPER SALTS (COPPER CARBONATE)	10	10	176
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM COMPOUNDS, INORGANIC	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BL	CADIUM SALTS (CADIUM CHLORORIDE)	10	10	177
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM NITRATE & SULFATE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BL	CADIUM SALTS (CADIUM NITRATE)	10	10	178
2819	INORGANIC CHEMICALS NEC		NR	RADIUM LUMINOUS COMPOUNDS	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BL	CADIUM SALTS (CADIUM SULFATE)	10	10	179
2819	INORGANIC CHEMICALS NEC		NR	REAGENT GRADE CHEM (INORG REF FROM TECH)	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BM	COBALT SALTS (COBALT NITRATE)	8	8	180
2819	INORGANIC CHEMICALS NEC		NR	SILICA AMORPHOUS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SILVER BROMIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BM	COBALT SALTS (COBALT CHLORIDE)	1	8	38
2819	INORGANIC CHEMICALS NEC		NR	COBALT 60 (RADIOACTIVE)	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SILVER CYANIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	COPPER IODIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AS	LITHIUM CARBONATE	3	3	66
2819	INORGANIC CHEMICALS NEC		NR	HEAVY WATER (DEUTERIUM OXIDE)	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AX	POTASSIUM CHLORIDE	3	3	92
2819	INORGANIC CHEMICALS NEC		NR	HYDROGEN SULFIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BB	SODIUM BISULFITE	3	3	119
2819	INORGANIC CHEMICALS NEC		NR	INDIUM CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BF	SODIUM SILICOFLUORIDE	6	6	130
2819	INORGANIC CHEMICALS NEC		NR	IODIDES	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BJ	ZINC OXIDE	3	3	148
2819	INORGANIC CHEMICALS NEC		NR	LEAD ARSENATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	ALUMINUM OXIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	LITHIUM COMPOUNDS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	AMMONIUM MOLYBDATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	MAGNESIUM COMPOUNDS (INORGANIC)	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	BLEACHING POWDER	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	MERCURY CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	CALCIUM COMPOUNDS (INORGANIC)	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	NICKEL AMMONIUM SULFATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	CHRONIUM OXIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	NUCLEAR FUEL SCRAP RE-PROCESSING	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SILVER IODIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	OXIDATION CATALYST FROM PORCELAIN	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AZ	POTASSIUM PERMANGANATE	3	3	101
2819	INORGANIC CHEMICALS NEC		NR	PEROXIDES, INORGANIC	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BH	STANNIC OXIDE	3	3	134
2819	INORGANIC CHEMICALS NEC		NR	POTASH MAGNESIA	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	AMMONIA ALUM	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM BROMIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	BOROSILICATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM CHLORATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SILVER CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	POTASSIUM HYPOCHLORITE	6	6	99
2819	INORGANIC CHEMICALS NEC	415	BD	SODIUM HYDROSULFIDE	3	3	127
2819	INORGANIC CHEMICALS NEC		NR	AMMONIUM THIOSULFATE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	CERIUM SALTS	6	6	99
2819	INORGANIC CHEMICALS NEC	415	AU	NICKEL SULFATE	8	10	79
2819	INORGANIC CHEMICALS NEC		NR	ALUMINUM COMPOUNDS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	RADIUM CHLORIDE	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	RARE EARTH METAL SALTS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SALTS OF RARE EARTH METALS	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SILICA GEL	6	6	99
2819	INORGANIC CHEMICALS NEC		NR	SILVER CARBONATE	6	6	99
2821	PLASTIC MATERIALS, SYN RESINS & NONVULCANIZABLE ELASTOMERS	414/416	B	RAYON FIBERS	8	9	5
2821	PLASTIC MATERIALS, SYN RESINS & NONVULCANIZABLE ELASTOMERS	414/416	D	THERMOPLASTIC RESINS	8	9	2

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2821	PLASTIC MATERIALS, SYN RESINS & NONVULCANIZABLE ELASTOMERS	414/416	E	THERMOSETTING RESINS	8	9	3
2821	PLASTIC MATERIALS, SYN RESINS & NONVULCANIZABLE ELASTOMERS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2821	PLASTIC MATERIALS, SYN RESINS & NONVULCANIZABLE ELASTOMERS	414/416	C	OTHER FIBERS	8	9	16
2822	SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER)	414/416	D	THERMOPLASTIC RESINS (SILICONES)	8	9	4
2822	SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER)	428	B	EMULSION CRUMB RUBBER	8	8	1
2822	SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER)	428	C	SOLUTION CRUMB RUBBER	8	8	2
2822	SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER)	428	D	LATEX RUBBER	8	8	3
2822	SYNTHETIC RUBBER (VULCANIZABLE ELASTOMER)		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2823	CELLULOSIC MAN-MADE FIBERS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2823	CELLULOSIC MAN-MADE FIBERS	416	B	RAYON FIBERS	8	9	1
2823	CELLULOSIC MAN-MADE FIBERS	416	C	OTHER FIBERS	8	9	2
2824	SYNTHETIC ORGANIC FIBERS, EXCEPT CELLULOSIC	416	C	OTHER FIBERS	8	9	0
2824	SYNTHETIC ORGANIC FIBERS, EXCEPT CELLULOSIC		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2835	BIOLOGICAL PRODUCTS	439	A	FERMENTATION PRODUCTS	6	8	1
2835	BIOLOGICAL PRODUCTS	439	B	EXTRACTION PRODUCTS	6	8	2
2836	BIOLOGICAL PRODUCTS	439	A	FERMENTATION PRODUCTS	6	8	3
2836	BIOLOGICAL PRODUCTS	439	B	EXTRACTION PRODUCTS	6	8	4
2833	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS	439	A	FERMENTATION PRODUCTS	6	8	3
2833	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS	439	B	EXTRACTION PRODUCTS	6	8	2
2833	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS	439	C	CHEMICAL SYNTHESIS PRODUCTS	6	8	1
2833	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2834	PHARMACEUTICAL PREPARATIONS	439	D	MIXING/COMPOUNDING-FORMULATION	6	8	0
2834	PHARMACEUTICAL PREPARATIONS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	A	SOAP MANUFACTURING BY BATCH KETTLE	5	5	12
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	B	FATTY ACID MANUFACTURING BY FATSPLITTING	5	5	1
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	C	SOAP MANUFACTURING BY FATTY ACID NEUTRALIZATION	5	5	13
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	D	GLYCERINE CONCENTRATION	5	5	2
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	P	MANUFACTURING OF LIQUID DETERGENTS	5	5	9
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	E	GLYCERINE DISTILLATION	5	5	3
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	G	MANUFACTURING OF BAR SOAPS	5	5	4
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	H	MANUFACTURING OF LIQUID SOAPS	5	5	8
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	O	MANUFACTURING OF SPRAY DRIED DETERGENTS	5	5	11
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	F	MANUFACTURING OF SOAP FLAKES & POWDERS	5	5	10
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	Q	MANUFACTURING OF DETERGENTS BY DRY BLEND	5	5	6
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	R	MANUFACTURING OF DRUM DRIED DETERGENTS	5	5	7
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS	417	S	MANUFACTURING OF DETERGEN BAR & CAKES	5	5	5
2841	SOAP & OTHER DETERGENTS, EXC SPECIALTY CLEANERS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99

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2842	SPECIALTY CLEANING, POLISHING & SANITATION PREPARATIONS	417	H	MANUFACTURING OF LIQUID SOAPS	5	5	1
2842	SPECIALTY CLEANING, POLISHING & SANITATION PREPARATIONS	417	P	MANUFACTURING OF LIQUID DETERGENTS	5	5	2
2842	SPECIALTY CLEANING, POLISHING & SANITATION PREPARATIONS		NR	OTHER PREPARATIONS, NEC	5	5	99
2842	SPECIALTY CLEANING, POLISHING & SANITATION PREPARATIONS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS	417	I	OLEUM SULFONATION & SULFATION	5	5	3
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS	417	J	AIR-S03 SULFONATION & SULFATION	5	5	1
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS	417	K	S03 SOLVENT & VACUUM SULFONATION	5	5	6
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS	417	L	SULFAMIC ACID SULFATION	5	5	7
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS	417	M	CHLOROSULFONIC ACID SULFATION	5	5	2
2843	SURFACE ACTIVE AGENTS, FINISHING AGENTS	417	N	NEUTRAL SULFURIC ACID ESTERS & SULFONIC	5	5	4
2844	PERFUMES, COSMETICS & OTHER TOILET PREPARATIONS	417	H	MANUFACTURING OF LIQUID SOAPS	5	5	1
2844	PERFUMES, COSMETICS & OTHER TOILET PREPARATIONS		NR	OTHER PREPARATIONS, NEC	5	5	99
2851	PAINTS/VARNISHES/LACQUERS/ENAMELS & ALLIED PRODUCTS		NR	OTHER PAINTS	8	8	99
2851	PAINTS/VARNISHES/LACQUERS/ENAMELS & ALLIED PRODUCTS	446	A	OIL-BASE SOLVENT WASH PAINT	3	3	0
2861	GUM AND WOOD CHEMICALS	454	A	CHAR & CHARCOAL BRIQUETTES	3	3	1
2861	GUM AND WOOD CHEMICALS	454	B	GUM ROSIN & TURPENTINE	3	3	3
2861	GUM AND WOOD CHEMICALS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2861	GUM AND WOOD CHEMICALS	454	D	TALL OIL, ROSIN, PITCH, FATTY ACIDS	6	6	6
2861	GUM AND WOOD CHEMICALS	454	E	ESSENTIAL OILS	3	3	2
2861	GUM AND WOOD CHEMICALS	454	F	ROSIN BASED DERIVATIVES	6	6	4
2861	GUM AND WOOD CHEMICALS	454	C	WOOD ROSIN, TURPENTINE & PINE OIL	6	6	7
2865	CYCLIC ORGANIC CRUDES, INTERM., DYES & PIGMENTS	414/416	F	COMMODITY	8	9	1
2865	CYCLIC ORGANIC CRUDES, INTERM., DYES & PIGMENTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2865	CYCLIC ORGANIC CRUDES, INTERM., DYES & PIGMENTS	414/416	G	BULK	8	9	2
2865	CYCLIC ORGANIC CRUDES, INTERM., DYES & PIGMENTS	414/416	H	SPECIALTY	8	9	3
2869	INDUSTRIAL ORGANIC CHEMICALS, NEC	414/416	H	SPECIALTY	8	9	3
2869	INORGANIC CHEMICALS NEC	455	A	ORGANIC PESTICIDE CHEMICALS MFG.	8	10	152
2819	INDUSTRIAL ORGANIC CHEMICALS, NEC		NR		10	10	99
2869	INDUSTRIAL ORGANIC CHEMICALS, NEC	414/416	F	COMMODITY	8	9	1
2869	INDUSTRIAL ORGANIC CHEMICALS, NEC	414/416	G	BULK	8	9	2
2869	INORGANIC CHEMICALS NEC	455	B	METALLO-ORGANIC PESTICIDES	8	10	154
2873	NITROGEN FERTILIZERS	418	B	AMMONIA	1	1	1
2873	NITROGEN FERTILIZERS	418	C	UREA	1	1	2
2873	NITROGEN FERTILIZERS	418	D	AMMONIUM NITRATE	1	1	3
2873	NITROGEN FERTILIZERS	418	E	NITRIC ACID	1	1	4
2873	NITROGEN FERTILIZERS	418	F	AMMONIUM SULFATE PRODUCTION	1	1	5
2874	PHOSPHATIC FERTILIZERS	418	A	PHOSPHATE	1	1	0
2874	PHOSPHATIC FERTILIZERS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2875	FERTILIZERS, MIXING ONLY	418	G	MIXED & BLEND FERTILIZER PRODUCTION	1	1	0
2879	PESTICIDES & AGRICULTURAL CHEMICALS NEC	455	C	PESTICIDE CHEMICALS FORMULATING	10	10	0
2891	ADHESIVES AND SEALANTS		NR	ADHESIVES AND SEALANTS	8	8	99

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2892	EXPLOSIVES	457	A	MANUFACTURE OF EXPLOSIVES	6	6	1
2892	EXPLOSIVES	457	C	EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS	6	6	3
2892	EXPLOSIVES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2893	PRINTING INK	447	A	OIL-BASED SOLVENT WASH INK	3	3	0
2893	PRINTING INK		NR	OTHER INKS	8	8	99
2895	CARBON BLACK	458	A	CARBON BLACK FURNACE PROCESS	5	5	2
2895	CARBON BLACK	458	C	CARBON BLACK CHANNEL PROCESS	3	3	1
2895	CARBON BLACK	458	D	CARBON BLACK LAMP PROCESS	3	3	3
2895	CARBON BLACK		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC	417	B	FATTY ACID MANUFACTURING BY FATSPLITTING	5	5	1
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC	424	F	ROSIN BASED DERIVATIVES	6	6	4
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC	454	D	TALL OIL, ROSIN, PITCH, FATTY ACIDS	6	6	2
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC	457	C	EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS	6	6	5
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC		NR	OTHER CHEMICAL PREPARATIONS NEC	6	6	99
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2899	CHEMICALS AND CHEMICAL PREPARATIONS, NEC	454	E	ESSENTIAL OILS	3	3	3
2911	PETROLEUM REFINING	419	A	TOPPING	3	8	1
2911	PETROLEUM REFINING	419	B	CRACKING	3	8	2
2911	PETROLEUM REFINING	419	C	PETROCHEMICAL	3	8	3
2911	PETROLEUM REFINING	419	D	LUBE	3	8	4
2911	PETROLEUM REFINING	419	E	INTEGRATED	3	8	5
2911	PETROLEUM REFINING		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2911	PETROLEUM REFINING	443	A	ASPHALT EMULSION	8	8	6
2951	PAVING MIXTURES AND BLOCKS	443	A	ASPHALT EMULSION	8	8	1
2951	PAVING MIXTURES AND BLOCKS	443	B	ASPHALT CONCRETE	8	8	2
2951	PAVING MIXTURES AND BLOCKS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2952	ASPHALT FELT AND COATINGS	443	C	ASPHALT ROOFING	8	8	1
2952	ASPHALT FELT AND COATINGS	443	D	LINOLEUM AND PRINTED ASPHALT FELT	8	8	2
2952	ASPHALT FELT AND COATINGS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2992	LUBRICATING OILS AND GREASES		NR	LUBE OIL RE-REFINING	8	8	99
2992	LUBRICATING OILS AND GREASES		NR	WASTE OIL RECYCLING	10	10	99
2992	LUBRICATING OILS AND GREASES		NR	OTHER OILS & GREASES NEC	5	5	99
2992	LUBRICATING OILS AND GREASES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
2999	PRODUCTS OF PETROLEUM AND COAL, NEC		NR		5	5	99
3011	TIRES AND INNER TUBES	428	A	TIRE & INNER TUBE PLANTS	6	6	0
3011	TIRES AND INNER TUBES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3021	RUBBER AND PLASTICS FOOTWEAR	428	E	SM-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	5	5	4
3021	RUBBER AND PLASTICS FOOTWEAR	428	F	MD-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	3
3021	RUBBER AND PLASTICS FOOTWEAR	428	G	LG-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	1
3021	RUBBER AND PLASTICS FOOTWEAR	428	J	LATEX-DIPPED, MOLDED, EXTRUDED GOODS	5	5	2
3021	RUBBER AND PLASTICS FOOTWEAR		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3021	RUBBER AND PLASTICS FOOTWEAR	463	A	CONTACT COOLING & HEATING WATER (PLASTICS)	4	6	5
3021	RUBBER AND PLASTICS FOOTWEAR	463	B	CLEANING (PLASTICS)	5	6	6
3069	RECLAIMED RUBBER	428	H	WET DIGESTION RECLAIM	8	8	2
3069	RECLAIMED RUBBER	428	I	PAN, DRY DIGESTION & MECHANICAL RECLAIM	8	8	1
3069	RECLAIMED RUBBER		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3052	RUBBER & PLASTICS HOSE AND BELTING	428	E	SM-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	5	5	3
3052	RUBBER & PLASTICS HOSE AND BELTING	428	F	MD-SIZED GEN MOLDED, EXTR 7 FABR RUBBER PLANT	6	6	2

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3052	RUBBER & PLASTICS HOSE AND BELTING	428	G	LG-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	1
3052	RUBBER & PLASTICS HOSE AND BELTING		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3052	RUBBER & PLASTICS HOSE AND BELTING	463	A	CONTACT COOLING & HEATING WATER	4	6	4
3052	RUBBER & PLASTICS HOSE AND BELTING	463	B	CLEANING WATER	5	6	5
3061	MOLDED, EXTRUDED & LATHE CUT	428	E	SM-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	5	5	1
3061	MOLDED, EXTRUDED & LATHE CUT	428	F	MD-SIZED GEN MOLDED, EXTR 7 FABR RUBBER PLANT	6	6	2
3061	MOLDED, EXTRUDED & LATHE CUT	428	G	LG-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	3
3069	FABRICATED RUBBER PRODUCTS NEC	428	G	LG-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	4
3069	FABRICATED RUBBER PRODUCTS NEC	428	F	MD-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	5
3069	FABRICATED RUBBER PRODUCTS NEC	42 8	E	SM-SIZED GEN MOLDED, EXTR & FABR RUBBER PLANT	5	5	6
3081	UNSUPPORTED PLASTIC FILM & SHEET	463	A	CONTACT COOLING & HEATING WATER	4	6	1
3081	UNSUPPORTED PLASTIC FILM & SHEET	463	B	CLEANING WATER	5	6	2
3083	LAMINATED PLASTICS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3081	UNSUPPORTED PLASTIC FILM & SHEET	463	C	FINISHING WATER	6	8	3
3083	LAMINATED PLASTICS	463	A	CONTACT COOLING & HEATING WATER	4	6	4
3083	LAMINATED PLASTICS	463	B	CLEANING WATER	5	6	5
3083	LAMINATED PLASTICS	463	C	FINISHING WATER	6	8	6
3081	UNSUPPORTED PLASTIC FILM & SHEET		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3084	PLASTICS PIPE	463	A	CONTACT COOLING & HEATING WATER	4	6	7
3084	PLASTICS PIPE	463	B	CLEANING WATER	5	6	8
3084	PLASTICS PIPE	463	C	FINISHING WATER	6	8	9
3084	PLASTICS PIPE		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3085	PLASTIC BOTTLES	463	A	CONTACT COOLING & HEATING WATER	4	6	10
3085	PLASTIC BOTTLES	463	B	CLEANING WATER	5	6	12
3089	PLASTICS PRODUCTS, NEC		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3432	MISCELLANEOUS PLASTICS PRODUCTS	463	A	CONTACT COOLING & HEATING WATER	4	6	29
3085	PLASTIC BOTTLES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3432	MISCELLANEOUS PLASTICS PRODUCTS	463	B	CLEANING WATER	5	6	30
3082	UNSUPPORTED PLASTIC PROFILE SHAPES	463	B	CLEANING WATER	5	6	15
3432	MISCELLANEOUS PLASTICS PRODUCTS	463	C	FINISHING WATER	6	8	31
3082	UNSUPPORTED PLASTIC PROFILE SHAPES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3432	MISCELLANEOUS PLASTICS PRODUCTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3086	PLASTIC FOAM PRODUCTS	463	B	CLEANING WATER	5	6	18
3086	PLASTIC FOAM PRODUCTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3089	PLASTICS PRODUCTS, NEC	463	A	CONTACT COOLING & HEATING WATER	4	6	26
3089	PLASTICS PRODUCTS, NEC	463	B	CLEANING WATER	5	6	27
3087	CUSTOM COMPOUNDING OF PURCHASED PLASTIC RESINS	463	C	FINISHING WATER	6	8	22
3089	PLASTICS PRODUCTS, NEC	463	C	FINISHING WATER	6	8	28
3088	PLASTIC PLUMBING FIXTURES	463	A	CONTACT COOLING & HEATING WATER	4	6	23
3085	PLASTIC BOTTLES	463	C	FINISHING WATER	6	8	13
3088	PLASTIC PLUMBING FIXTURES	463	C	FINISHING WATER	6	8	25
3087	CUSTOM COMPOUNDING OF PURCHASED PLASTIC RESINS	463	B	CLEANING WATER	5	6	21
3087	CUSTOM COMPOUNDING OF PURCHASED PLASTIC RESINS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3088	PLASTIC PLUMBING FIXTURES	463	B	CLEANING WATER	5	6	24
3088	PLASTIC PLUMBING FIXTURES		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3082	UNSUPPORTED PLASTIC PROFILE SHAPES	463	A	CONTACT COOLING & HEATING WATER	4	6	14
3082	UNSUPPORTED PLASTIC PROFILE SHAPES	463	C	FINISHING WATER	6	8	16
3086	PLASTIC FOAM PRODUCTS	463	A	CONTACT COOLING & HEATING WATER	4	6	17
3086	PLASTIC FOAM PRODUCTS	463	C	FINISHING WATER	6	8	19
3087	CUSTOM COMPOUNDING OF PURCHASED PLASTIC RESINS	463	A	CONTACT COOLING & HEATING WATER	4	6	20

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3111	LEATHER TANNING AND FINISHING	425	A	HAIR PULP, CHROME TAN, RETAN-WET FINISH	7	8	1
3111	LEATHER TANNING AND FINISHING	425	I	RETAIN-WET FINISH - SPLITS	1	6	9
3111	LEATHER TANNING AND FINISHING		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3111	LEATHER TANNING AND FINISHING	425	C	HAIR SAVE, NON-CHROME TAN, RETAN-WET FINISH	5	9	3
3111	LEATHER TANNING AND FINISHING	425	E	NO BEAMHOUSE	4	10	4
3111	LEATHER TANNING AND FINISHING	425	G	SHEARLING	4	7	6
3111	LEATHER TANNING AND FINISHING	425	H	PIGSKIN	4	10	8
3111	LEATHER TANNING AND FINISHING	425	B	HAIR SAVE, NON-CHROME TAN, RETAN-WET FINISH	3	7	2
3111	LEATHER TANNING AND FINISHING	425	D	RETAN-WET FINISH SIDES	1	6	5
3111	LEATHER TANNING AND FINISHING	425	F	THROUGH-THE-BLUE	1	10	7
3131	BOOT & SHOE CUT STOCK & FINDINGS		NR		1	1	99
3142	HOUSE SLIPPERS		NR		1	1	99
3143	MEN'S FOOTWEAR, EXCEPT ATHLETIC		NR		1	1	99
3144	WOMEN'S FOOTWEAR, EXCEPT ATHLETIC		NR		1	1	99
3149	FOOTWEAR, EXCEPT RUBBER, NEC		NR		1	1	99
3151	LEATHER GLOVES AND MITTENS		NR		1	1	99
3161	LUGGAGE		NR		1	1	99
3171	WOMEN'S HANDBAGS AND PURSES		NR		1	1	99
3172	PERSONAL LEATHER GOODS, EXCEPT WOMEN'S HANDBAGS & PURSES		NR		1	1	99
3199	LEATHER GOODS NEC		NR		1	1	99
3211	FLAT GLASS	426	B	SHEET GLASS	1	1	1
3211	FLAT GLASS	426	C	ROLLED GLASS	1	1	2
3211	FLAT GLASS	426	D	PLATE GLASS	1	1	3
3211	FLAT GLASS	426	E	FLOAT GLASS	1	1	4
3211	FLAT GLASS	426	F	AUTOMOTIVE GLASS TEMPERING	1	1	5
3211	FLAT GLASS	426	G	AUTOMOTIVE GLASS LAMINATING	1	1	6
3221	GLASS CONTAINERS	426	H	GLASS CONTAINER	1	1	0
3229	PRESSED & BLOWN GLASS & GLASSWARE NEC	426	I	MACHINE PRESSED & BLOWN GLASS	1	1	1
3229	PRESSED & BLOWN GLASS & GLASSWARE NEC	426	J	GLASS TUBING (DANNER)	1	1	2
3229	PRESSED & BLOWN GLASS & GLASSWARE NEC	426	K	TELEVISION PICTURE TUBE ENVELOPE	1	1	3
3229	PRESSED & BLOWN GLASS & GLASSWARE NEC	426	L	INCANDESCENT LAMP ENVELOPE	1	1	4
3229	PRESSED & BLOWN GLASS & GLASSWARE NEC	426	M	HAND PRESSED & BLOWN GLASS	1	1	5
3231	GLASS PRODUCTS MADE OF PURCHASED GLASS	426	F	AUTOMOTIVE GLASS TEMPERING	1	1	1
3231	GLASS PRODUCTS MADE OF PURCHASED GLASS	426	G	AUTOMOTIVE GLASS LAMINATING	1	1	2
3241	CEMENT, HYDRAULIC	411	A	NONLEACHING	1	1	1
3241	CEMENT, HYDRAULIC	411	B	LEACHING	1	1	2
3241	CEMENT, HYDRAULIC	411	C	MATERIALS STORAGE PILES RUNOFF	1	1	3
3251	BRICK AND STRUCTURAL CLAY TILE		NR		1	1	99
3253	CERAMIC WALL AND FLOOR TILE		NR		1	1	99
3255	CLAY REFRACTORIES		NR		1	1	99
3259	STRUCTURAL CLAY PRODUCTS NEC		NR		1	1	99
3261	VITREOUS CHINA PLUMBING FIXTURES		NR		1	1	99
3262	VITREOUS CHINA TABLE & KITCHEN ARTICLES		NR		1	1	99
3263	FINE EARTHENWARE		NR		1	1	99
3264	PORCELAIN ELECTRICAL SUPPLIES		NR		1	1	99
3269	POTTERY PRODUCTS, NEC		NR		1	1	99
3271	CONCRETE BLOCK & BRICK		NR		1	1	99
3272	CONCRETE PRODUCTS EXCEPT BLOCK & BRICK		NR		1	1	99
3273	READY-MIXED CONCRETE		NR		1	1	99
3274	LIME	415	E	CALCIUM OXIDE PRODUCTION	1	1	0
3274	LIME		NR	OTHER LIME PRODUCTION	1	1	99
3275	GYPSUM PRODUCTS		NR		1	1	99
3281	CUT STONE & STONE PRODUCTS	436	A	DIMENSION STONE	1	1	0

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3291	ABRASIVE PRODUCTS		NR		1	1	99
3292	ASBESTOS PRODUCTS	427	A	ASBESTOS-CEMENT PIPE	1	1	1
3292	ASBESTOS PRODUCTS	427	B	ASBESTOS-CEMENT SHEET	1	1	2
3292	ASBESTOS PRODUCTS	427	I	SOLVENT RECOVERY	1	1	7
3292	ASBESTOS PRODUCTS	427	F	ASBESTOS ROOFING	1	1	4
3292	ASBESTOS PRODUCTS	427	G	ASBESTOS FLOOR TILE	1	1	5
3292	ASBESTOS PRODUCTS	427	H	COATING OR FINISHING ASBESTOS TEXTILES	1	1	6
3292	ASBESTOS PRODUCTS	427	E	ASBESTOS MILLBOARD	1	1	3
3292	ASBESTOS PRODUCTS	427	J	VAPOR ABSORPTION	1	1	8
3292	ASBESTOS PRODUCTS	427	K	WET DUST COLLECTION	1	1	9
3053	GASKETS, PACKING & SEALING DEVICES	427	K	WEST DUST COLLECTION (ASBESTOS)	1	1	4
3053	GASKETS, PACKING & SEALING DEVICES	428	E	SM-SIZE GEN MOLDED, EXTR & FABR RUBBER PLANT	5	5	3
3053	GASKETS, PACKING & SEALING DEVICES	428	F	MD-SIZE GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	2
3053	GASKETS, PACKING & SEALING DEVICES	428	G	LG-SIZE GEN MOLDED, EXTR & FABR RUBBER PLANT	6	6	1
3053	GASKETS, PACKING & SEALING DEVICES		NR	NON-RUBBER PRODUCTS	1	1	99
3295	MINERALS & EARTHS, GROUND OR OTHERWISE	436	J	BARITE	1	1	1
3295	MINERALS & EARTHS, GROUND OR OTHERWISE	436	W	MAGNESITE	1	1	2
3295	MINERALS & EARTHS, GROUND OR OTHERWISE	436	X	DIATOMITE	1	1	3
3295	MINERALS & EARTHS, GROUND OR OTHERWISE	436	AG	KAOLIN	1	1	4
3295	MINERALS & EARTHS, GROUND OR OTHERWISE	436	AJ	TALC, STEATITE, SOAPSTONE & PYROPHYLLITE	1	1	5
3295	MINERALS & EARTHS, GROUND OR OTHERWISE	436	AL	GRAPHITE	1	1	6
3295	MINERALS & EARTHS, GROUND OR OTHERWISE		NR	OTHER MINERALS & EARTHS	1	1	99
3296	MINERAL WOOL	426	A	INSULATION FIBERGLASS	1	1	1
3296	MINERAL WOOL		NR	OTHER MINERAL WOOLS	1	1	99
3299	NONMETALLIC MINERAL PRODUCTS, NEC		NR		1	1	99
3312	BLAST FURNACES, STEEL WORKS & ROLLING MI	420	A	COKEMAKING	10	10	6
3312	BLAST FURNACES, STEEL WORKS & ROLLING MI	420	B	SINTERING	9	9	23
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	C	IRONMAKING	10	10	5
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	D	STEELMAKING	10	10	1
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	E	VACUUM DEGASSING	3	9	24
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	F	CONTINUOUS CASTING	1	7	10
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	G	HOT FORMING	1	3	16
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	H	SALT BATH DESCALING	9	10	22
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	J	COLD FORMING	10	10	7
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	K	ALKALINE CLEANING	8	8	9
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	L	HOT COATING	10	10	13
3312	BLAST FURNACES, STEEL WORKS & ROLLING MILLS	420	I	ACID PICKLING	10	10	20
3313	ELECTROMETALLURGICAL PRODUCTS	420	D	STEELMAKING	10	10	2
3313	ELECTROMETALLURGICAL PRODUCTS	420	F	CONTINUOUS CASTING	1	7	3
3313	ELECTROMETALLURGICAL PRODUCTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99

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3313	ELECTROMETALLURGICAL PRODUCTS	424	A	OPEN ELECTRIC FURNACES W/WET APC	5	5	4
3313	ELECTROMETALLURGICAL PRODUCTS	424	B	COVERED ELECTRIC FURNACES W/WET APC	5	5	5
3313	ELECTROMETALLURGICAL PRODUCTS	424	G	ELECTROLYTIC CHROMIUM	5	5	10
3313	ELECTROMETALLURGICAL PRODUCTS	424	D	COVERED CALCIUM CARBIDE FURNACES W/WET APC	5	5	7
3313	ELECTROMETALLURGICAL PRODUCTS	424	E	OTHER CALCIUM CARBIDE FURNACES	5	5	8
3313	ELECTROMETALLURGICAL PRODUCTS	424	F	ELECTROLYTIC MANGANESE PRODUCTS	5	5	9
3313	ELECTROMETALLURGICAL PRODUCTS	424	C	SLAG PROCESSING	5	5	6
3315	STEEL WIRE DRAWING & STEEL NAILS & SPIKE	420	H	SALT BATH DESCALING	9	10	1
3315	STEEL WIRE DRAWING & STEEL NAILS & SPIKE	420	J	COLD FORMING	10	10	3
3315	STEEL WIRE DRAWING & STEEL NAILS & SPIKE	420	K	ALKALINE CLEANING	8	8	4
3315	STEEL WIRE DRAWING & STEEL NAILS & SPIKE	420	I	ACID PICKLING	10	10	2
3316	COLD ROLLED STEEL SHEET, STRIP & BARS	420	J	COLD FORMING	10	10	2
3316	COLD ROLLED STEEL SHEET, STRIP & BARS	420	I	ACID PICKLING	10	10	1
3317	STEEL PIPE AND TUBES	420	H	SALT BATH DESCALING	9	10	2
3317	STEEL PIPE AND TUBES	420	G	HOT FORMING	1	3	1
3317	STEEL PIPE AND TUBES	420	I	ACID PICKLING	10	10	3
3317	STEEL PIPE AND TUBES	420	J	COLD FORMING	10	10	4
3317	STEEL PIPE AND TUBES	420	K	ALKALINE CLEANING	8	8	5
3321	GRAY & DUCTILE IRON FOUNDRIES	464	C	FERROUS CASTING	1	9	0
3322	MALLEABLE IRON FOUNDRIES	464	C	FERROUS CASTING	1	9	0
3324	STEEL INVESTMENT FOUNDRIES	464	C	FERROUS CASTING	1	9	0
3325	STEEL FOUNDRIES, NEC	464	C	FERROUS CASTING	1	9	0
3331	PRIMARY SMELTING AND REFINING OF COPPER	421	D	PRIMARY COPPER SMELTING	1	8	1
3331	PRIMARY SMELTING AND REFINING OF COPPER	421	E	PRIMARY ELECTROLYTIC COPPER REFINING	1	8	2
3331	PRIMARY SMELTING AND REFINING OF COPPER	421	I	METALLURGICAL ACID PLANTS	10	10	3
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	G	PRIMARY LEAD	1	6	1
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	I	METALLURGICAL ACID PLANTS	10	10	2
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	H	PRIMARY ZINC	10	10	1
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	I	METALLURGICAL ACID PLANTS	10	10	2
3334	PRIMARY PRODUCTION OF ALUMINUM	421	A	BAUXITE REFINING	10	10	2
3334	PRIMARY PRODUCTION OF ALUMINUM	421	B	PRIMARY ALUMINUM SMELTING	10	10	1
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	I	METALLURGICAL ACID PLANTS (MOLYBDENUM)	10	10	36
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	J	PRIMARY TUNGSTEN	10	10	33
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	K	PRIMARY COLUMBIUM-TANTALUM	10	10	13
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	N	PRIMARY ANTIMONY	10	10	3
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	O	PRIMARY BERYLLIUM	10	10	6
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	P	PRIMARY BORON	10	10	8
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	Q	PRIMARY CALCIUM & RUBIDIUM	10	10	11
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	R	PRIMARY & SECONDARY GERMANIUM & GALLIUM	10	10	15
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	424	G	ELECTROLYTIC CHROMIUM	8	8	37

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3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	W	PRIMARY NICKEL & COBALT	1	9	22
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY ARSENIC	5	5	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY BARIUM	5	5	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	AC	PRIMARY & SECONDARY TIN	10	10	31
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY BISMUTH	5	5	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY URANIUM	8	8	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY CALCIUM	5	5	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY PLATINUM GROUP	8	8	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY & SECONDARY INDIUM	8	8	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY SELENIUM	10	10	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY LITHIUM	8	8	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	AA	PRIMARY RARE EARTH METALS	10	10	24
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	AG	PRIMARY ZIRCONIUM & HAFNIUM	7	10	35
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY CADMIUM	10	10	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY TELLURIUM	10	10	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	AD	PRIMARY & SECONDARY TITANIUM	9	10	32
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	PRIMARY MAGNESIUM	5	5	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	424	F	ELECTROLYTIC MANGANESE PRODUCTS	8	8	36
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	U	PRIMARY MOLYBDENUM & RHENIUM	10	10	21
3339	PRIMARY SMELTING AND REFINING OF NONFERROUS METALS EXCEPT CU & AL	421	Y	PRIMARY PRECIOUS METALS & MERCURY	1	10	16
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	C	SECONDARY ALUMINUM SMELTING	1	8	1
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	AB	SECONDARY TANTALUM	10	10	16
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	AE	SECONDARY TUNGSTEN & COBALT	10	10	19
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	L	SECONDARY SILVER-PHOTOGRAPHIC	7	8	15
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	AF	SECONDARY URANIUM	10	10	20
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	M	SECONDARY LEAD	10	10	8
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY BERYLLIUM	5	5	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	T	SECONDARY MERCURY	8	8	10
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY BABBITT	5	5	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	X	SECONDARY NICKEL	8	8	11
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY BORON	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	F	SECONDARY COPPER	1	8	7

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3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	S	SECONDARY INDIUM	5	5	23
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	V	SECONDARY MOLYBDENUM & VANADIUM	10	10	24
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	Z	SECONDARY PRECIOUS METALS	10	10	13
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS	421	L	SECONDARY SILVER-NON- PHOTOGRAPHIC	7	8	22
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY COLUMBIUM	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY MAGNESIUM	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY PLUTONIUM	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY TIN	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY TITANIUM	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY ZINC	8	8	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3341	SECONDARY SMELT & REFIN OF NONFERROUS METALS		NR	SECONDARY CADMIUM	5	5	99
3351	ROLLING, DRAWING & EXTRUDING OF COPPER	468	A	COPPER FORMING	1	9	11
3351	ROLLING, DRAWING & EXTRUDING OF COPPER	468	B	BERYLLIUM COPPER ALLOY FORMING	1	9	21
3351	ROLLING, DRAWING & EXTRUDING OF COPPER		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3353	ALUMINUM SHEET, PLATE AND FOIL	464	A	ALUMINUM CASTING	1	8	1
3353	ALUMINUM SHEET, PLATE AND FOIL	467	A	ROLLING WITH NEAT OILS	5	8	2
3353	ALUMINUM SHEET, PLATE AND FOIL	467	B	ROLLING WITH EMULSIONS	4	8	3
3353	ALUMINUM SHEET, PLATE AND FOIL		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3354	ALUMINUM EXTRUDED PRODUCTS	467	C	EXTRUSION	1	8	2
3354	ALUMINUM EXTRUDED PRODUCTS	467	E	DRAWING WITH NEAT OILS	1	9	3
3354	ALUMINUM EXTRUDED PRODUCTS	467	F	DRAWING WITH EMULSIONS OR SOAPS	4	8	1
3354	ALUMINUM EXTRUDED PRODUCTS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3355	ALUMINUM ROLLING & DRAWING NEC	464	A	ALUMINUM CASTING	1	8	1
3355	ALUMINUM ROLLING & DRAWING NEC	467	A	ROLLING WITH NEAT OILS	5	8	2
3355	ALUMINUM ROLLING & DRAWING NEC	467	B	ROLLING WITH EMULSIONS	4	8	3
3355	ALUMINUM ROLLING & DRAWING NEC	467	E	DRAWING WITH NEAT OILS	1	9	4
3355	ALUMINUM ROLLING & DRAWING NEC	467	F	DRAWING WITH EMULSIONS OR SOAPS	4	8	5
3355	ALUMINUM ROLLING & DRAWING NEC		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	A	BERYLLIUM FORMING	5	5	1
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	B	LEAD/TIN/BISMUTH FORMING	9	10	2
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	D	NICKEL-COBALT FORMING	8	9	4
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	E	PRECIOUS METALS FORMING	1	10	5
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	F	REFRACTORY METALS FORMING	1	8	6
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	G	TITANIUM FORMING	3	8	7
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	H	URANIUM FORMING	1	8	8

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3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	I	ZINC FORMING	1	8	9
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL	471	J	ZIRCONIUM/HAFNIUM FORMING	7	9	10
3356	ROLLING, DRAWING & EXTRUDING OFNONFERROUS METALS EXCEPT CU & AL		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3357	DRAWING & INSULATING OF NONFERROUS WIRE	433	A	METAL FINISHING	1	9	1
3357	DRAWING & INSULATING OF NONFERROUS WIRE	463	A	CONTACT COLLING & HEATING WATER (PLASTICS)	4	6	2
3357	DRAWING & INSULATING OF NONFERROUS WIRE	463	B	CLEANING & FINISHING WATER (PLASTICS)	5	6	3
3357	DRAWING & INSULATING OF NONFERROUS WIRE	467	E	DRAWING WITH NEAT OILS (ALUMINUM)	1	9	4
3357	DRAWING & INSULATING OF NONFERROUS WIRE	467	F	DRAWING W/EMULSIONS OR SOAPS (ALUMINUM)	4	8	1
3357	DRAWING & INSULATING OF NONFERROUS WIRE	468	A	COPPER FORMING	1	9	6
3357	DRAWING & INSULATING OF NONFERROUS WIRE		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3363	ALUMINUM DIE CASTING	464	A	ALUMINUM CASTING	1	8	1
3365	ALUMINUM FOUNDRIES EXCEPT DIE CASTING	464	A	ALUMINUM CASTING	1	8	2
3364	NONFERROUS DIE CASTING EXCEPT AL	464	B	COPPER CASTING	5	8	1
3366	COPPER FOUNDRIES	464	B	COPPER CASTING	5	8	2
3364	NONFERROUS DIE CASTING EXCEPT AL	464	B	COPPER CASTING	5	8	1
3369	NONFERROUS FOUNDRIES EXCEPT AL & CU	464	D	ZINC CASTING	10	10	2
3398	METAL HEAT TREATING	433	A	METAL FINISHING	1	9	0
3399	PRIMARY METAL PRODUCTS, NEC	433	A	METAL FINISHING	1	9	1
3399	PRIMARY METAL PRODUCTS, NEC	471	K	METAL POWDERS	7	9	2
3399	PRIMARY METAL PRODUCTS, NEC		NR	OTHER PRODUCTS	1	1	99
3411	METAL CANS	465	D	CAN MAKING	1	7	0
3412	METAL BARRELS, DRUMS AND PAILS	433	A	METAL FINISHING	1	9	0
3412	METAL BARRELS, DRUMS AND PAILS		NR	DRUM RECYCLING	8	8	99
3412	METAL BARRELS, DRUMS AND PAILS		NR	NO ELECTROPLATING	1	1	99
3421	CUTLERY	433	A	METAL FINISHING	1	9	0
3421	CUTLERY		NR	NO ELECTROPLATING	1	1	99
3423	HAND AND EDGE TOOLS, NEC	433	A	METAL FINISHING	1	9	0
3423	HAND AND EDGE TOOLS, NEC		NR	NO ELECTROPLATING	1	1	99
3425	HAND SAWS AND SAW BLADES	433	A	METAL FINISHING	1	9	1
3429	HARDWARE, NEC	433	A	METAL FINISHING	1	9	0
3429	HARDWARE, NEC		NR	NO ELECTROPLATING	1	1	99
3431	METAL SANITARY WARE	466	B	CAST IRON BASIS MATERIAL	10	10	0
3432	PLUMBING FIXTURE FITTINGS & TRIM		NR	NO ELECTROPLATING	1	1	99
3432	PLUMBING FIXTURE FITTINGS & TRIM	433	A	METAL FINISHING	1	9	1
3432	PLUMBING FIXTURE FITTINGS & TRIM	468	A	COPPER FORMING	1	9	2
3567	HEATING EQUIPMENT, EXCEPT ELECTRIC	433	A	METAL FINISHING	1	9	1
3567	HEATING EQUIPMENT, EXCEPT ELECTRIC		NR	NO ELECTROPLATING	1	1	99
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC	433	A	METAL FINISHING	1	9	2
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC		NR	NO ELECTROPLATING	1	1	99
3441	FABRICATED STRUCTURAL METAL		NR		1	1	99
2431	METAL DOORS, SASH AND TRIM				1	1	1
3442	METAL DOORS, SASH AND TRIM	433	A	METAL FINISHING	1	9	2
3442	METAL DOORS, SASH AND TRIM		NR	NO ELECTROPLATING	1	1	99
3443	FABRICATED PLATE WORK (BOILER SHOPS)		NR		1	1	99
3444	SHEET METAL WORK		NR		1	1	99
3449	SHEET METAL WORK		NR		1	1	99
3446	ARCHITECTURAL METAL WORK		NR		1	1	99
3448	PREFABRICATED METAL BUILDINGS		NR		1	1	99
3449	MISCELLANEOUS METAL WORK		NR		1	1	99
3451	SCREW MACHINE PRODUCTS	433	A	METAL FINISHING	1	9	0

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3451	SCREW MACHINE PRODUCTS		NR	NO ELECTROPLATING	1	1	99
3452	BOLTS, NUTS, RIVETS AND WASHERS	433	A	METAL FINISHING	1	9	0
3452	BOLTS, NUTS, RIVETS AND WASHERS		NR	NO ELECTROPLATING	1	1	99
3462	IRON AND STEEL FORGINGS	433	A	METAL FINISHING	1	9	0
3462	IRON AND STEEL FORGINGS		NR	NO ELECTROPLATING	1	1	99
3463	NONFERROUS FORGINGS	433	A	METAL FINISHING	1	9	3
3463	NONFERROUS FORGINGS	467	D	FORGING (ALUMINUM)	5	5	1
3463	NONFERROUS FORGINGS	468	A	COPPER FORMING	1	9	2
3463	NONFERROUS FORGINGS	471	A	BERYLLIUM FORMING	5	5	4
3463	NONFERROUS FORGINGS	471	B	LEAD/TIN/BISMUTH FORMING	9	10	5
3463	NONFERROUS FORGINGS	471	C	MAGNESIUM FORMING	5	5	6
3463	NONFERROUS FORGINGS	471	D	NICKEL-COBALT FORMING	8	9	7
3463	NONFERROUS FORGINGS	471	E	PRECIOUS METALS FORMING	1	10	8
3463	NONFERROUS FORGINGS	471	J	ZIRCONIUM/HAFNIUM FORMING	7	9	13
3463	NONFERROUS FORGINGS	471	G	TITANIUM FORMING	3	8	10
3463	NONFERROUS FORGINGS	471	H	URANIUM FORMING	1	8	11
3463	NONFERROUS FORGINGS	471	I	ZINC FORMING	1	8	12
3463	NONFERROUS FORGINGS	471	F	REFRACTORY METALS FORMING	1	8	9
3463	NONFERROUS FORGINGS		NR	NON-CONTACT COOLING WATER ONLY	1	1	99
3465	AUTOMOTIVE STAMPINGS	433	A	METAL FINISHING	1	9	0
3465	AUTOMOTIVE STAMPINGS		NR	NO ELECTROPLATING	1	1	99
3466	CROWNS AND CLOSURES	433	A	METAL FINISHING	1	9	0
3466	CROWNS AND CLOSURES		NR	NO ELECTROPLATING	1	1	99
3449	METAL STAMPINGS, NEC		NR		1	1	99
3469	METAL STAMPINGS, NEC		NR		1	1	99
3471	PLATING AND POLISHING	433	A	METAL FINISHING	1	9	0
3479	METAL COATING AND ALLIED SERVICES	420	L	HOT COATING	10	10	5
3479	METAL COATING AND ALLIED SERVICES	433	A	METAL FINISHING	1	9	4
3479	METAL COATING AND ALLIED SERVICES		NR	NO ELECTROPLATING/COATING	1	1	99
3479	METAL COATING AND ALLIED SERVICES	465	A	STEEL BASIS MATERIAL COATING	10	10	2
3479	METAL COATING AND ALLIED SERVICES	465	B	GALVANIZED BASIS MATERIAL COATING	10	10	3
3479	METAL COATING AND ALLIED SERVICES	465	C	ALUMINUM BASIS MATERIAL COATING	10	10	1
3482	SMALL ARMS AMMUNITION	433	A	METAL FINISHING	1	9	1
3482	SMALL ARMS AMMUNITION	457	C	EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS	6	6	2
3482	SMALL ARMS AMMUNITION		NR	NO ELECTROPLATING/EXPLOSIVES	1	1	99
3482	SMALL ARMS AMMUNITION	463	A	CONTACT COOLING & HEATING WATER (PLASTICS)	4	6	3
3482	SMALL ARMS AMMUNITION	463	B	CLEANING WATER (PLASTICS)	5	6	4
3483	AMMUNITION, EXC. FOR SMALL ARMS	433	A	METAL FINISHING	1	9	1
3483	AMMUNITION, EXC. FOR SMALL ARMS	457	C	EXPLOSIVES LOAD, ASSEMBLE & PACK PLANTS	6	6	2
3483	AMMUNITION, EXC. FOR SMALL ARMS		NR	NO ELECTROPLATING/EXPLOSIVES	1	1	99
3484	SMALL ARMS	433	A	METAL FINISHING	1	9	0
3484	SMALL ARMS		NR	NO ELECTROPLATING	1	1	99
3489	ORDINANCE AND ACCESSORIES, NEC	433	A	METAL FINISHING	1	9	0
3489	ORDINANCE AND ACCESSORIES, NEC		NR	NO ELECTROPLATING	1	1	99
3493	STEEL SPRINGS, EXCEPT WIRE	433	A	METAL FINISHING	1	9	0
3493	STEEL SPRINGS, EXCEPT WIRE		NR	NO ELECTROPLATING	1	1	99
3492	VALVES & HOSE FITTINGS	433	A	METAL FINISHING	1	9	1
3491	INDUSTRIAL VALVES	433	A	METAL FINISHING	1	9	2
3494	VALVES AND PIPE FITTINGS, NEC	433	A	METAL FINISHING	1	9	3
3494	VALVES AND PIPE FITTINGS, NEC		NR	NO ELECTROPLATING	1	1	99
3494	VALVES AND PIPE FITTINGS, NEC		NR	NO ELECTROPLATING	1	1	99
3492	VALVES & HOSE FITTINGS		NR	NO ELECTROPLATING	1	1	99
3495	WIRE SPRINGS	433	A	METAL FINISHING	1	9	0
3495	WIRE SPRINGS		NR	NO ELECTROPLATING	1	1	99
3496	MISC. FABRICATED WIRE PRODUCTS	433	A	METAL FINISHING	1	9	0
3496	MISC. FABRICATED WIRE PRODUCTS		NR	NO ELECTROPLATING	1	1	99
3497	METAL FOIL AND LEAF	468	A	COPPER FORMING	1	9	2
3497	METAL FOIL AND LEAF	471	E	PRECIOUS METALS FORMING	1	10	7
3497	METAL FOIL AND LEAF	465	C	ALUMINUM BASIS MATERIAL COATING	5	5	1
3497	METAL FOIL AND LEAF	471	B	LEAD/TIN/BISMUTH FORMING	9	10	4
3497	METAL FOIL AND LEAF	471	C	MAGNESIUM FORMING	5	5	5
3497	METAL FOIL AND LEAF	471	D	NICKEL-COBALT FORMING	8	9	6

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3497	METAL FOIL AND LEAF	471	A	BERYLLIUM FORMING	5	5	3
3497	METAL FOIL AND LEAF	471	F	REFRACTORY METALS FORMING	1	8	8
3497	METAL FOIL AND LEAF	471	G	TITANIUM FORMING	3	8	9
3497	METAL FOIL AND LEAF	471	H	URANIUM FORMING	1	8	10
3497	METAL FOIL AND LEAF	471	I	ZINC FORMING	1	8	11
3497	METAL FOIL AND LEAF	471	J	ZIRCONIUM/HAFNIUM FORMING	7	9	12
3498	FABRICATED PIPE AND FITTINGS	433	A	METAL FINISHING	1	9	0
3498	FABRICATED PIPE AND FITTINGS		NR	NO ELECTROPLATING	1	1	99
3499	FABRICATED METAL PRODUCTS, NEC	433	A	METAL FINISHING	1	9	0
3499	FABRICATED METAL PRODUCTS, NEC		NR	NO ELECTROPLATING	1	1	99
3511	TURBINES AND TURBINE GENERATOR SETS	433	A	METAL FINISHING	1	9	0
3511	TURBINES AND TURBINE GENERATOR SETS		NR	NO ELECTROPLATING	1	1	99
3519	INTERNAL COMBUSTION ENGINES, NEC	433	A	METAL FINISHING	1	9	0
3519	INTERNAL COMBUSTION ENGINES, NEC		NR	NO ELECTROPLATING	1	1	99
3523	FARM MACHINERY AND EQUIPMENT	433	A	METAL FINISHING	1	9	0
3523	FARM MACHINERY AND EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3524	LAWN AND GARDEN EQUIPMENT	433		METAL FINISHING	1	9	0
3524	LAWN AND GARDEN EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3531	CONSTRUCTION MACHINERY	433	A	METAL FINISHING	1	9	0
3531	CONSTRUCTION MACHINERY		NR	NO ELECTROPLATING	1	1	99
3532	MINING MACHINERY	433	A	METAL FINISHING	1	9	0
3532	MINING MACHINERY		NR	NO ELECTROPLATING	1	1	99
3533	OIL FIELD MACHINERY	433	A	METAL FINISHING	1	9	0
3533	OIL FIELD MACHINERY		NR	NO ELECTROPLATING	1	1	99
3534	ELEVATORS AND MOVING STAIRWAYS	433	A	METAL FINISHING	1	9	0
3534	ELEVATORS AND MOVING STAIRWAYS		NR	NO ELECTROPLATING	1	1	99
3535	CONVEYORS AND CONVEYING EQUIPMENT	433	A	METAL FINISHING	1	9	0
3535	CONVEYORS AND CONVEYING EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3536	HOISTS, CRANES AND MONORAILS	433	A	METAL FINISHING	1	9	2
3536	HOISTS, CRANES AND MONORAILS	433	A	METAL FINISHING	1	9	1
3537	HOISTS, CRANES AND MONORAILS		NR	NO ELECTROPLATING	1	1	99
3536	HOISTS, CRANES AND MONORAILS		NR	NO ELECTROPLATING	1	1	99
3536	HOISTS, CRANES AND MONORAILS		NR	NO ELECTROPLATING	1	1	99
3531	HOISTS, CRANES AND MONORAILS		NR	NO ELECTROPLATING	1	1	99
3537	HOISTS, CRANES AND MONORAILS	433	A	METAL FINISHING	1	9	3
3537	INDUSTRIAL TRUCKS AND TRACTORS	433	A	METAL FINISHING	1	9	0
3537	INDUSTRIAL TRUCKS AND TRACTORS		NR	NO ELECTROPLATING	1	1	99
3541	MACHINE TOOLS, METAL CUTTING TYPES	433	A	METAL FINISHING	1	9	0
3541	MACHINE TOOLS, METAL CUTTING TYPES		NR	NO ELECTROPLATING	1	1	99
3542	MACHINE TOOLS, METAL FORMING TYPES	433	A	METAL FINISHING	1	9	0
3542	MACHINE TOOLS, METAL FORMING TYPES		NR	NO ELECTROPLATING	1	1	99
3544	SPECIAL DIES, TOOLS, JIGS & FIXTURES	433	A	METAL FINISHING	1	9	0
3544	SPECIAL DIES, TOOLS, JIGS & FIXTURES		NR	NO ELECTROPLATING	1	1	99
3545	MACHINE TOOL ACCESSORIES	433	A	METAL FINISHING	1	9	0
3545	MACHINE TOOL ACCESSORIES		NR	NO ELECTROPLATING	1	1	99
3546	POWER DRIVEN HAND TOOLS	433	A	METAL FINISHING	1	9	0
3546	POWER DRIVEN HAND TOOLS		NR	NO ELECTROPLATING	1	1	99
3547	ROLLING MILL MACHINERY	433	A	METAL FINISHING	1	9	0
3547	ROLLING MILL MACHINERY		NR	NO ELECTROPLATING	1	1	99
3548	METALWORKING MACHINERY, NEC	433	A	METAL FINISHING	1	9	1
3548	METALWORKING MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3559	METALWORKING MACHINERY, NEC	433	A	METAL FINISHING	1	9	2
3559	METALWORKING MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3549	METALWORKING MACHINERY, NEC	433	A	METAL FINISHING	1	9	3
3549	METALWORKING MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3565	PACKAGING MACHINERY	433	A	METAL FINISHING	1	9	0
3552	TEXTILE MACHINERY	433	A	METAL FINISHING	1	9	0
3552	TEXTILE MACHINERY		NR	NO ELECTROPLATING	1	1	99
3553	WOODWORKING MACHINERY	433	A	METAL FINISHING	1	9	0
3553	WOODWORKING MACHINERY		NR	NO ELECTROPLATING	1	1	99

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3554	PAPER INDUSTRIES MACHINERY	433	A	METAL FINISHING	1	9	0
3554	PAPER INDUSTRIES MACHINERY		NR	NO ELECTROPLATING	1	1	99
3069	PRINTING TRADES MACHINERY	428	E	SM-SIZED GEN MOLDED, EXTRA & FABR RUBBER PLANT	5	5	1
3069	PRINTING TRADES MACHINERY	428	F	MD-SIZED GEN MOLDED, EXTRA & FABR RUBBER PLANT	6	6	2
3069	PRINTING TRADES MACHINERY	428	G	LG-SIZED GEN MOLDED, EXTRA & FABR RUBBER PLANT	6	6	3
3523	PRINTING TRADES MACHINERY		NR	NO ELECTROPLATING	1	1	99
3423	PRINTING TRADES MACHINERY	433	A	METAL FINISHING	1	9	4
3555	PRINTING TRADES MACHINERY	433	A	METAL FINISHING	1	9	5
3555	PRINTING TRADES MACHINERY		NR	NO ELECTROPLATING	1	1	99
3559	SPECIAL INDUSTRY MACHINERY, NEC	433	A	METAL FINISHING	1	9	0
3559	SPECIAL INDUSTRY MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3594	FLUID POWER PUMPS & MOTORS		NR	NO ELECTROPLATING	1	1	99
3561	PUMPS AND PUMPING EQUIPMENT	433	A	METAL FINISHING	1	9	0
3561	PUMPS AND PUMPING EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3594	FLUID POWER PUMPS & MOTORS	433	A	METAL FINISHING	1	9	0
3562	BALL AND ROLLER BEARINGS	433	A	METAL FINISHING	1	9	0
3562	BALL AND ROLLER BEARINGS		NR	NO ELECTROPLATING	1	1	99
3563	AIR AND GAS COMPRESSORS	433	A	METAL FINISHING	1	9	0
3563	AIR AND GAS COMPRESSORS		NR	NO ELECTROPLATING	1	1	99
3564	BLOWER AND FANS	433	A	METAL FINISHING	1	9	0
3564	BLOWER AND FANS		NR	NO ELECTROPLATING	1	1	99
3543	INDUSTRIAL PATTERNS	433	A	METAL FINISHING	1	9	0
3543	INDUSTRIAL PATTERNS		NR	NO ELECTROPLATING	1	1	99
3594	SPEED CHANGERS, DRIVES AND GEARS	433	A	METAL FINISHING	1	9	1
3594	SPEED CHANGERS, DRIVES AND GEARS		NR	NO ELECTROPLATING	1	1	99
3566	SPEED CHANGERS, DRIVES AND GEARS		NR	NO ELECTROPLATING	1	1	99
3566	SPEED CHANGERS, DRIVES AND GEARS	433	A	METAL FINISHING	1	9	2
3567	INDUSTRIAL FURNACES AND OVENS	433	A	METAL FINISHING	1	9	0
3567	INDUSTRIAL FURNACES AND OVENS		NR	NO ELECTROPLATING	1	1	99
3568	POWER TRANSMISSION EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	0
3568	POWER TRANSMISSION EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3594	GENERAL INDUSTRIAL MACHINERY, NEC	433	A	METAL FINISHING	1	9	1
3594	GENERAL INDUSTRIAL MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3565	GENERAL INDUSTRIAL MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3565	GENERAL INDUSTRIAL MACHINERY, NEC	433	A	METAL FINISHING	1	9	2
3569	GENERAL INDUSTRIAL MACHINERY, NEC	433	A	METAL FINISHING	1	9	3
3569	GENERAL INDUSTRIAL MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3579	TYPEWRITERS	433	A	METAL FINISHING	1	9	0
3579	TYPEWRITERS		NR	NO ELECTROPLATING	1	1	99
3571	ELECTRONIC COMPUTING EQUIPMENT	433	A	METAL FINISHING	1	9	1
3571	ELECTRONIC COMPUTING EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3572	COMPUTER STORAGE DEVICES	433	A	METAL FINISHING	1	9	2
3572	COMPUTER STORAGE DEVICES		NR	NO ELECTROPLATING	1	1	99
3575	COMPUTER TERMINALS		NR	NO ELECTROPLATING	1	1	99
3575	COMPUTER TERMINALS	433	A	METAL FINISHING	1	9	3
3577	COMPUTER PERIPHERAL EQUIP, NEC	433	A	METAL FINISHING	1	9	4
3577	COMPUTER PERIPHERAL EQUIP, NEC		NR	NO ELECTROPLATING	1	1	99
3695	MAGNETIC & OPTICAL RECORDING MEDIA	433	A	METAL FINISHING	1	9	5
3695	MAGNETIC & OPTICAL RECORDING MEDIA		NR	NO ELECTROPLATING	1	1	99
3578	CALCULATING AND ACCOUNTING MACHINES	433	A	METAL FINISHING	1	9	0
3578	CALCULATING AND ACCOUNTING MACHINES		NR	NO ELECTROPLATING	1	1	99
3596	SCALES AND BALANCES, EXC. LABORATORY	433	A	METAL FINISHING	1	9	0
3596	SCALES AND BALANCES, EXC. LABORATORY		NR	NO ELECTROPLATING	1	1	99
3579	OFFICE MACHINES, NEC	433	A	METAL FINISHING	1	9	0
3579	OFFICE MACHINES, NEC		NR	NO ELECTROPLATING	1	1	99
3581	AUTOMATIC VENDING MACHINES	433	A	METAL FINISHING	1	9	0
3581	AUTOMATIC VENDING MACHINES		NR	NO ELECTROPLATING	1	1	99
3582	COMMERCIAL LAUNDRY EQUIPMENT	433	A	METAL FINISHING	1	9	0
3582	COMMERCIAL LAUNDRY EQUIPMENT		NR	NO ELECTROPLATING	1	1	99

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3585	REFRIGERATION AND HEATING EQUIPMENT	433	A	METAL FINISHING	1	9	0
3585	REFRIGERATION AND HEATING EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3586	MEASURING AND DISPENSING PUMPS	433	A	METAL FINISHING	1	9	0
3586	MEASURING AND DISPENSING PUMPS		NR	NO ELECTROPLATING	1	1	99
3589	SERVICE INDUSTRY MACHINERY, NEC	433	A	METAL FINISHING	1	9	0
3589	SERVICE INDUSTRY MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3592	CARBURETORS, PISTONS, RINGS, VALVES	433	A	METAL FINISHING	1	9	0
3592	CARBURETORS, PISTONS, RINGS, VALVES		NR	NO ELECTROPLATING	1	1	99
3593	FLUID POWER CYLINDERS & ACTUATORS	433	A	METAL FINISHING	1	9	1
3593	FLUID POWER CYLINDERS & ACTUATORS		NR	NO ELECTROPLATING	1	1	99
3599	INDUSTRIAL & COMMERCIAL MACHINERY, NEC		NR	NO ELECTROPLATING	1	1	99
3599	INDUSTRIAL & COMMERCIAL MACHINERY, NEC	433	A	METAL FINISHING	1	9	2
3612	TRANSFORMERS	433	A	METAL FINISHING	1	9	0
3612	TRANSFORMERS		NR	NO ELECTROPLATING	1	1	99
3612	TRANSFORMERS		NR	DRY TRANSFORMERS	8	8	99
3625	RELAYS AND INDUSTRIAL CONTROLS	433	A	METAL FINISHING	1	9	0
3625	RELAYS AND INDUSTRIAL CONTROLS		NR	NO ELECTROPLATING	1	1	99
3613	SWITCHGEAR AND SWITCHBOARD APPARATUS		NR	NO ELECTROPLATING	1	1	99
3613	SWITCHGEAR AND SWITCHBOARD APPARATUS	433	A	METAL FINISHING	1	9	0
3621	MOTORS AND GENERATORS	433	A	METAL FINISHING	1	9	0
3621	MOTORS AND GENERATORS		NR	NO ELECTROPLATING	1	1	99
3548	WELDING APPARATUS, ELECTRIC		NR	NO ELECTROPLATING	1	1	99
3548	WELDING APPARATUS		NR	NO ELECTROPLATING	1	1	99
3624	CARBON AND GRAPHITE PRODUCTS		NR	CARBON & GRAPHITE PRODUCTS	8	8	99
3629	ELECTRICAL INDUSTRIAL APPARATUS, NEC	433	A	METAL FINISHING	1	9	0
3629	ELECTRICAL INDUSTRIAL APPARATUS, NEC		NR	NO ELECTROPLATING	1	1	99
3629	ELECTRICAL INDUSTRIAL APPARATUS, NEC		NR	FUEL CELLS	8	8	99
3631	HOUSEHOLD COOKING EQUIPMENT	433	A	METAL FINISHING	1	9	1
3631	HOUSEHOLD COOKING EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3631	HOUSEHOLD COOKING EQUIPMENT	466	A	STEEL BASIS MATERIAL (PORCELAIN)	10	10	3
3631	HOUSEHOLD COOKING EQUIPMENT	466	C	ALUMINUM BASIS MATERIAL (PORCELAIN)	10	10	2
3632	HOUSEHOLD REFRIGERATORS AND FREEZERS	433	A	METAL FINISHING	1	9	1
3632	HOUSEHOLD REFRIGERATORS AND FREEZERS		NR	NO ELECTROPLATING (PORCELAIN)	1	1	99
3632	HOUSEHOLD REFRIGERATORS AND FREEZERS	466	A	STEEL BASIS MATERIAL (PORCELAIN)	10	10	2
3633	HOUSEHOLD LAUNDRY EQUIPMENT	433	A	METAL FINISHING	1	9	1
3633	HOUSEHOLD LAUNDRY EQUIPMENT		NR	NO ELECTROPLATING (PORCELAIN)	1	1	99
3633	HOUSEHOLD LAUNDRY EQUIPMENT	466	A	STEEL BASIS MATERIAL (PORCELAIN)	10	10	2
3634	ELECTRIC HOUSEWARES AND FANS	433	A	METAL FINISHING	1	9	0
3634	ELECTRIC HOUSEWARES AND FANS		NR	NO ELECTROPLATING	1	1	99
3635	HOUSEHOLD VACUUM CLEANERS	433	A	METAL FINISHING	1	9	0
3635	HOUSEHOLD VACUUM CLEANERS		NR	NO ELECTROPLATING	1	1	99
3639	SEWING MACHINES	433	A	METAL FINISHING	1	9	0
3639	SEWING MACHINES		NR	NO ELECTROPLATING	1	1	99
3559	SEWING MACHINES	433	A	METAL FINISHING	1	9	0
3559	SEWING MACHINES		NR	NO ELECTROPLATING	1	1	99
3639	HOUSEHOLD APPLIANCES, NEC	433	A	METAL FINISHING	1	9	3
3639	HOUSEHOLD APPLIANCES, NEC	466	A	STEEL BASIS MATERIAL (PORCELAIN)	10	10	1
3641	ELECTRIC BULBS	433	A	METAL FINISHING	1	9	2
3641	ELECTRIC BULBS	469	D	LUMINESCENT MATERIALS	1	1	1
3643	CURRENT-CARRYING WIRING DEVICES	433	A	METAL FINISHING	1	9	0
3643	CURRENT-CARRYING WIRING DEVICES		NR	NO ELECTROPLATING	1	1	99

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3643	CURRENT-CARRYING WIRING DEVICES		NR		1	1	99
3644	NONCURRENT-CARRYING WIRING DEVICES	433	A	METAL FINISHING	1	9	0
3644	NONCURRENT-CARRYING WIRING DEVICES		NR	NO ELECTROPLATING	1	1	99
3645	RESIDENTIAL LIGHTING FIXTURES	433	A	METAL FINISHING	1	9	0
3645	RESIDENTIAL LIGHTING FIXTURES		NR	NO ELECTROPLATING	1	1	99
3646	COMMERCIAL LIGHTING FIXTURES	433	A	METAL FINISHING	1	9	0
3646	COMMERCIAL LIGHTING FIXTURES		NR	NO ELECTROPLATING	1	1	99
3647	VEHICULAR LIGHTING EQUIPMENT	433	A	METAL FINISHING	1	9	0
3647	VEHICULAR LIGHTING EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3648	LIGHTING EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	0
3648	LIGHTING EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3651	RADIO AND TV RECEIVING SETS	433	A	METAL FINISHING	1	9	0
3651	RADIO AND TV RECEIVING SETS		NR	NO ELECTROPLATING	1	1	99
3652	PHONOGRAPH RECORDS		NR		1	1	99
3575	TELEPHONE AND TELEGRAPH APPARATUS		NR		1	1	99
3661	TELEPHONE AND TELEGRAPH APPARATUS		NR		1	1	99
3663	RADIO AND TV COMMUNICATION EQUIPMENT		NR		1	1	99
3812	RADIO AND TV COMMUNICATION EQUIPMENT		NR		1	1	99
3669	COMMUNICATION EQUIPMENT, NEC		NR		1	1	99
3829	RADIO AND TV COMMUNICATION EQUIPMENT		NR		1	1	99
3699	RADIO AND TV COMMUNICATION EQUIPMENT		NR		1	1	99
3671	ELECTRON TUBES	469	C	CATHODE RAY TUBE	8	8	0
3674	SEMICONDUCTORS AND RELATED DEVICES	469	A	SEMI-CONDUCTORS	9	10	0
3675	ELECTRONIC CAPACITORS	433	A	METAL FINISHING	1	9	0
3676	ELECTRONIC RESISTORS	433	A	METAL FINISHING	1	9	0
3676	ELECTRONIC RESISTORS		NR	NO ELECTROPLATING	1	1	99
3677	ELECTRONIC COILS, TRANSFORMERS & OTHER INDUCTORS	433	A	METAL FINISHING	1	9	0
3677	ELECTRONIC COILS, TRANSFORMERS & OTHER INDUCTORS		NR	DRY TRANSFORMERS	8	8	99
3678	ELECTRONIC CONNECTORS	433	A	METAL FINISHING	1	9	0
3678	ELECTRONIC CONNECTORS		NR	NO ELECTROPLATING	1	1	99
3672	ELECTRONIC COMPONENTS, NEC	413	H	PRINTED CIRCUIT BOARDS	1	9	1
3264	ELECTRONIC COMPONENTS, NEC		NR		1	1	99
3679	ELECTRONIC COMPONENTS, NEC	469	B	ELECTRONIC CRYSTALS	1	5	2
3671	ELECTRONIC COMPONENTS, NEC		NR		1	1	99
3695	ELECTRONIC COMPONENTS, NEC		NR		1	1	99
3679	ELECTRONIC COMPONENTS, NEC		NR		1	1	99
3625	ELECTRONIC COMPONENTS, NEC		NR		1	1	99
3691	STORAGE BATTERIES	461	A	CADMIUM BATTERIES	5	10	14
3691	STORAGE BATTERIES	461	B	CADMIUM BATTERIES	5	5	1
3691	STORAGE BATTERIES	461	C	LEAD BATTERIES	2	9	5
3691	STORAGE BATTERIES	461	D	LECLANCHE BATTERIES	5	5	17
3691	STORAGE BATTERIES	461	E	LITHIUM BATTERIES	5	5	7
3691	STORAGE BATTERIES	461	O	MERCURY (WESTON) CELLS	5	5	11
3691	STORAGE BATTERIES	461	G	ZINC BATTERIES	10	10	4
3691	STORAGE BATTERIES	461	O	MERCURY (RUBEN) BATTERIES	5	5	10
3691	STORAGE BATTERIES	461	O	LEAD ACID RESERVE BATTERIES	5	5	6
3691	STORAGE BATTERIES	461	F	MAGNESIUM BATTERIES	5	5	9
3692	PRIMARY BATTERIES, DRY & WET	461	A	CADMIUM BATTERIES	5	10	14
3692	PRIMARY BATTERIES, DRY & WET	461	B	CALCIUM BATTERIES	5	5	1
3692	PRIMARY BATTERIES, DRY & WET	461	C	LEAD BATTERIES	2	9	5
3692	PRIMARY BATTERIES, DRY & WET	461	E	LITHIUM BATTERIES	5	5	7
3692	PRIMARY BATTERIES, DRY & WET	461	F	MAGNESIUM BATTERIES	5	5	9
3692	PRIMARY BATTERIES, DRY & WET	461	O	MERCURY (RUBEN) BATTERIES	5	5	10
3692	PRIMARY BATTERIES, DRY & WET	461	O	MERCURY (WESTON) CELLS	5	5	11
3692	PRIMARY BATTERIES, DRY & WET	461	O	LEAD ACID RESERVE BATTERIES	3	3	6

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3692	PRIMARY BATTERIES, DRY & WET	461	G	ZINC BATTERIES	10	10	4
3845	ELECTROMEDICAL EQUIPMENT	469	C	ELECTRON TUBES	8	8	1
3844	X-RAY APPARATUS AND TUBES	469	C	ELECTRON TUBES	8	8	2
3694	ELECTRICAL EQUIP FOR INTERNAL COMBUSTION	433	A	METAL FINISHING	1	9	0
3694	ELECTRICAL EQUIP FOR INTERNAL COMBUSTION		NR	NO ELECTROPLATING	1	1	99
3641	ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES	433	A	METAL FINISHING	1	9	1
3585	ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES	433	A	METAL FINISHING	1	9	2
3699	ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES, NEC	433	A	METAL FINISHING	1	9	3
3711	MOTOR VEHICLES & PASSENGER CAR BODIES	433	A	METAL FINISHING	1	9	0
3711	MOTOR VEHICLES & PASSENGER CAR BODIES		NR	NO ELECTROPLATING	1	1	99
3713	TRUCK & BUS BODIES	433	A	METAL FINISHING	1	9	0
3713	TRUCK & BUS BODIES		NR	NO ELECTROPLATING	1	1	99
3714	MOTOR VEHICLE PARTS & ACCESSORIES		NR	NO ELECTROPLATING	1	1	99
3714	MOTOR VEHICLE PARTS & ACCESSORIES	433	A	METAL FINISHING	1	9	0
3715	TRUCK TRAILERS	433	A	METAL FINISHING	1	9	0
3715	TRUCK TRAILERS		NR	NO ELECTROPLATING	1	1	99
3721	AIRCRAFT	433	A	METAL FINISHING	1	9	0
3721	AIRCRAFT		NR	NO ELECTROPLATING	1	1	99
3724	AIRCRAFT ENGINES & ENGINES PARTS	433	A	METAL FINISHING	1	9	0
3724	AIRCRAFT ENGINES & ENGINES PARTS		NR	NO ELECTROPLATING	1	1	99
3492	AIRCRAFT EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	0
3593	AIRCRAFT EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3594	AIRCRAFT EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3594	AIRCRAFT EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	1
3594	AIRCRAFT EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	2
3492	AIRCRAFT EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3728	AIRCRAFT EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3728	AIRCRAFT EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	3
3731	SHIP BUILDING AND REPAIRING	470	1	SHIP BUILDING & REPAIRING	6	6	0
3732	BOAT BUILDING AND REPAIRING		NR	NO ELECTROPLATING	1	1	99
3732	BOAT BUILDING AND REPAIRING	433	A	METAL FINISHING	1	9	0
3743	RAILROAD EQUIPMENT	433	A	METAL FINISHING	1	9	0
3743	RAILROAD EQUIPMENT		NR	NO ELECTROPLATING	1	1	99
3751	MOTORCYCLES, BICYCLES AND PARTS	433	A	METAL FINISHING	1	9	0
3751	MOTORCYCLES, BICYCLES AND PARTS		NR	NO ELECTROPLATING	1	1	99
3761	GUIDED MISSILES & SPACE VEHICLES	433	A	METAL FINISHING	1	9	0
3761	GUIDED MISSILES & SPACE VEHICLES		NR	NO ELECTROPLATING	1	1	99
3764	SPACE PROPULSION UNITS AND PARTS	433	A	METAL FINISHING	1	9	0
3764	SPACE PROPULSION UNITS AND PARTS		NR	NO ELECTROPLATING	1	1	99
3769	SPACE VEHICLE EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	0
3769	SPACE VEHICLE EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3792	TRAVEL TRAILERS AND CAMPERS	433	A	METAL FINISHING	1	9	0
3792	TRAVEL TRAILERS AND CAMPERS		NR	NO ELECTROPLATING	1	1	99
3795	TANKS AND TANK COMPONENTS	433	A	METAL FINISHING	1	9	0
3795	TANKS AND TANK COMPONENTS		NR	NO ELECTROPLATING	1	1	99
3799	TRANSPORTATION EQUIPMENT, NEC	433	A	METAL FINISHING	1	9	0
3799	TRANSPORTATION EQUIPMENT, NEC		NR	NO ELECTROPLATING	1	1	99
3812	SEARCH, DETECTION NAVIGATION INSTRUMENTS	433	A	METAL FINISHING	1	9	1
3812	SEARCH, DETECTION NAVIGATION INSTRUMENTS		NR	NO ELECTROPLATING	1	1	99
3821	LABORATORY APPARATUS		NR	NO ELECTROPLATING	1	1	99
3821	LABORATORY APPARATUS	433	A	METAL FINISHING	1	9	2
3826	LABORATORY ANALYTICAL INSTRUMENTS	433	A	METAL FINISHING	1	9	3
3826	LABORATORY ANALYTICAL INSTRUMENTS		NR	NO ELECTROPLATING	1	1	99
3829	MEASURING & CONTROLLING DEVICES, NEC	433	A	METAL FINISHING	1	9	4

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3829	MEASURING & CONTROLLING DEVICES, NEC		NR	NO ELECTROPLATING	1	1	99
3826	ENGINEERING AND SCIENTIFIC INSTRUMENTS	433	A	METAL FINISHING	1	9	5
3827	ENGINEERING AND SCIENTIFIC INSTRUMENTS		NR	NO ELECTROPLATING	1	1	99
3827	ENGINEERING AND SCIENTIFIC INSTRUMENTS	433	A	METAL FINISHING	1	9	6
3822	ENVIRONMENTAL CONTROLS	433	A	METAL FINISHING	1	9	0
3822	ENVIRONMENTAL CONTROLS		NR	NO ELECTROPLATING	1	1	99
3823	PROCESS CONTROL INSTRUMENTS	433	A	METAL FINISHING	1	9	0
3823	PROCESS CONTROL INSTRUMENTS		NR	NO ELECTROPLATING	1	1	99
3824	FLUID METERS AND COUNTING DEVICES	433	A	METAL FINISHING	1	9	0
3824	FLUID METERS AND COUNTING DEVICES		NR	NO ELECTROPLATING	1	1	99
3825	INSTRUMENTS TO MEASURE ELECTRICITY	433	A	METAL FINISHING	1	9	0
3825	INSTRUMENTS TO MEASURE ELECTRICITY		NR	NO ELECTROPLATING	1	1	99
3829	MEASURING & CONTROLLING DEVICES, NEC	433	A	METAL FINISHING	1	9	0
3829	MEASURING & CONTROLLING DEVICES, NEC		NR	NO ELECTROPLATING	1	1	99
3826	OPTICAL INSTRUMENTS AND LENSES	433	A	METAL FINISHING	1	9	1
3826	OPTICAL INSTRUMENTS AND LENSES		NR	NO ELECTROPLATING	1	1	99
3829	OPTICAL INSTRUMENTS AND LENSES	433	A	METAL FINISHING	1	9	2
3829	OPTICAL INSTRUMENTS AND LENSES		NR	NO ELECTROPLATING	1	1	99
3827	OPTICAL INSTRUMENTS AND LENSES	433	A	METAL FINISHING	1	9	3
3827	OPTICAL INSTRUMENTS AND LENSES		NR	NO ELECTROPLATING	1	1	99
3841	SURGICAL AND MEDICAL INSTRUMENTS		NR	NO ELECTROPLATING	1	1	99
3841	SURGICAL AND MEDICAL INSTRUMENTS	433	A	METAL FINISHING	1	9	0
3842	SURGICAL APPLIANCES AND SUPPLIES		NR	NO ELECTROPLATING	1	1	99
3842	SURGICAL APPLIANCES AND SUPPLIES	433	A	METAL FINISHING	1	9	0
3843	DENTAL EQUIPMENT AND SUPPLIES		NR	NO ELECTROPLATING	1	1	99
3843	DENTAL EQUIPMENT AND SUPPLIES	433	A	METAL FINISHING	1	9	0
3851	OPHTHALMIC GOODS		NR	NO ELECTROPLATING	1	1	99
3851	OPHTHALMIC GOODS	433	A	METAL FINISHING	1	9	0
3861	PHOTOGRAPHIC EQUIPMENT AND SUPPLIES	459	3	DIAZO, SOLVENT PROCESS	8	8	1
3861	PHOTOGRAPHIC EQUIPMENT AND SUPPLIES	459	4	PHOTOGRAPHIC EQUIPMENT & SUPPLIES	8	8	2
3861	PHOTOGRAPHIC EQUIPMENT AND SUPPLIES	459	5	THERMAL, SOLVENT PROCESS	8	8	3
3873	WATCHES, CLOCKS AND WATCHCASES	433	A	METAL FINISHING	1	9	0
3873	WATCHES, CLOCKS AND WATCHCASES		NR	NO ELECTROPLATING	1	1	99
3911	JEWELRY, PRECIOUS METAL	433	A	METAL FINISHING	1	9	2
3911	JEWELRY, PRECIOUS METAL	471	D	PRECIOUS METAL FORMING	1	10	1
3914	SILVERWARE AND PLATED WARE	433	A	METAL FINISHING	1	9	0
3914	SILVERWARE AND PLATED WARE		NR	NO ELECTROPLATING	1	1	99
3915	JEWELERS' MATERIALS & LAPIDARY WORK	433	A	METAL FINISHING	1	9	0
3915	JEWELERS' MATERIALS & LAPIDARY WORK		NR	NO ELECTROPLATING	1	1	99
3931	MUSICAL INSTRUMENTS		NR	NO ELECTROPLATING	1	1	99
3931	MUSICAL INSTRUMENTS	433	A	METAL FINISHING	1	9	0
3942	DOLLS		NR		1	1	99
3944	GAMES, TOYS AND CHILDREN'S VEHICLES	433	A	METAL FINISHING	1	9	0
3944	GAMES, TOYS AND CHILDREN'S VEHICLES		NR	NO ELECTROPLATING	1	1	99
3949	SPORTING AND ATHLETIC GOODS, NEC	433	A	METAL FINISHING	1	1	2
3949	SPORTING AND ATHLETIC GOODS, NEC		NR	NO ELECTROPLATING	1	1	99
3951	PENS AND MECHANICAL PENCILS		NR	NO ELECTROPLATING	1	1	99
3951	PENS AND MECHANICAL PENCILS	433	A	METAL FINISHING	1	9	0
3952	LEAD PENCILS AND ART GOODS		NR		1	1	99
3953	MARKING DEVICES		NR		1	1	99
3955	CARBON PAPER AND INKED RIBBONS		NR		1	1	99

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3961	COSTUME JEWELRY		NR	NO ELECTROPLATING	1	1	99
3961	COSTUME JEWELRY	433	A	METAL FINISHING	1	9	0
3999	ARTIFICIAL FLOWERS		NR		1	1	99
3965	NEEDLES, PINS AND FASTENERS	433	A	METAL FINISHING	1	9	0
3965	NEEDLES, PINS AND FASTENERS		NR	NO ELECTROPLATING	1	1	99
3991	BROOMS AND BRUSHES	433	A	METAL FINISHING	1	9	0
3991	BROOMS AND BRUSHES		NR	NO ELECTROPLATING	1	1	99
3993	SIGNS AND ADVERTISING DISPLAYS	433	A	METAL FINISHING	1	9	0
3993	SIGNS AND ADVERTISING DISPLAYS		NR		1	1	99
3993	SIGNS AND ADVERTISING DISPLAYS		NR	NO ELECTROPLATING	1	1	99
3995	BURIAL CASKETS		NR	NO ELECTROPLATING	1	1	99
3995	BURIAL CASKETS	433	A	METAL FINISHING	1	9	0
3996	HARD SURFACE FLOOR COVERINGS, NEC		NR		1	1	99
3996	HARD SURFACE FLOOR COVERINGS, NEC	443	D	LINOLEUM & PRINTED ASPHALT FELT	1	1	0
3999	MANUFACTURING INDUSTRIES, NEC	433	A	METAL FINISHING	1	9	0
3999	MANUFACTURING INDUSTRIES, NEC		NR		1	1	99
4173	BUS TERMINAL AND SERVICE FACILITIES		NR		1	1	99
4226	SPECIAL WAREHOUSING & STORAGE, NEC		NR		1	1	99
4231	TRUCKING TERMINAL FACILITIES		NR		5	5	0
4493	MARINAS		NR		5	5	1
4959	WATER TRANSPORTATION SERVICES, NEC		NR		5	5	2
4499	WATER TRANSPORTATION SERVICES, NEC		NR		5	5	3
4612	CRUDE PETROLEUM PIPELINES		NR		8	8	0
4911	ELECTRICAL SERVICES	423	A	HYDRO ELECTRIC PWER GEN. (W/SAN. WST.)	6	6	1
4911	ELECTRICAL SERVICES	423	A	STEAM ELECTRIC POWER GENERATING	6	6	2
4931	ELECTRIC AND OTHER SERVICES COMBINED	423	A	HYDRO ELECTRIC PWER GEN. (W/SAN. WST.)	6	6	1
4931	ELECTRIC AND OTHER SERVICES COMBINED	423	A	STEAM ELECTRIC POWER GENERATING	6	6	2
4941	WATER SUPPLY		NR		7	7	0
4952	SEWERAGE SYSTEMS		NR		1	1	0
4953	REFUSE SYSTEMS		NR	SOLID WASTE FACILITIES	7	7	1
4953	REFUSE SYSTEMS		NR	HAZARDOUS WASTE TREATMENT FACILITIES	10	10	2
4959	SANITARY SERVICES, NEC		NR		1	1	0
4961	STEAM SUPPLY		NR		1	1	0
5052	COAL & OTHER MINERALS & ORES		NR		8	8	0
5093	SCRAP & WASTE MATERIALS		NR		10	10	0
5143	DAIRY PRODUCTS	405	A	RECEIVING STATIONS	1	1	0
5169	CHEMICALS AND ALLIED PRODUCTS, NEC		NR		10	10	0
5171	PETROLEUM BULK STATIONS & TERMINALS		NR		8	8	0
5191	FARM SUPPLIES		NR		6	6	0
5421	MEAT AND FISH (SEAFOOD) MARKETS	432	E	SMALL PROCESSOR	1	1	1
5421	MEAT AND FISH (SEAFOOD) MARKETS	432	F	MEAT CUTTER	1	1	2
5421	MEAT AND FISH (SEAFOOD) MARKETS	432	G	SAUSAGE AND LUNCHEON MEATS PROCESSOR	1	1	3
5421	MEAT AND FISH (SEAFOOD) MARKETS		NR	OTHER MARKETS WITHOUT PROCESSING	1	1	99
7211	POWER LAUNDRIES, FAMILY AND COMMERCIAL	444	3	POWER LAUNDRIES	3	3	0
7213	LINEN SUPPLY	444	9	LINEN SUPPLY	6	6	0
7219	LAUNDRY, GARMENT SERVICES, NEC	444	5	DIAPER SERVICE	3	3	0
7215	COIN-OPERATED LAUNDRIES & DRY CLEANING	444	1	COIN-OPERATED LAUNDRIES	3	3	0
7216	DRY CLEANING PLANTS, EXCEPT RUG CLEANING	444	2	DRY CLEANING PLANTS	3	3	0
7217	CARPET & UPHOLSTERY CLEANING	444	4	CARPET & UPHOLSTERY CLEANING	3	3	0
7218	INDUSTRIAL LAUNDERERS	444	8	INDUSTRIAL LAUNDRY	6	6	0
7219	LAUNDRY, GARMENT SERVICES, NEC	444	6	LAUNDRY, GARMENT SERVICES NEC	1	1	0

<u>1987 SIC Code</u>	<u>1987 Title</u>	<u>CFR Part</u>	<u>CFR Sub- Part</u>	<u>Sub-part Title</u>	<u>Human Health Toxicity Number</u>	<u>Total Toxicity Number</u>	<u>Industrial Sub- category Number</u>
7342	DISINFECTING & PEST CONTROL SERVICE		NR		10	10	0
8731	PHYS & BIOL RESEARCH LABORATORIES		NR		1	1	99
7384	PHOTOFINISHING LABORATORIES	459	A	PHOTOGRAPHIC PROCESSING	1	1	0
8734	COMMERCIAL TESTING LABORATORIES		NR		1	1	0
7542	CAR WASHES	444	7	CAR WASH	3	3	0
7699	REPAIR SHOPS, NEC	433	A	METAL FINISHING	1	9	0
7699	REPAIR SHOPS, NEC		NR	NO ELECTROPLATING	1	1	99
7819	SERV. ALLIED TO MOTION PICTURE PROD.	459	A	PHOTOGRAPHIC PROCESSING	1	1	0
8062	GEN. MEDICAL/SURGICAL HOSPITALS		NR		10	10	0
8069	SPECIALTY HOSPITALS		NR		10	10	0
8071	MEDICAL LABORATORIES		NR		10	10	0
8733	NONCOMMERCIAL RESEARCH ORGANIZATIONS		NR		7	7	0

NPDES RATING WORKSHEET APPENDIX B**ESTUARIES ENROLLED IN THE NATIONAL ESTUARY PROTECTION PROGRAM**

<u>ESTUARY</u>	<u>STATE</u>
San Francisco Bay/Delta	California
Santa Monica Bay	California
Albemarle	North Carolina
Pamlico	North Carolina
Puget Sound	Washington
Buzzards Bay	Massachusetts
Narragansett Bay	Rhode Island
Long Island Sound	Connecticut & New York
New York/New Jersey Harbor	New Jersey & New York
Delaware Bay	Pennsylvania, New Jersey & Delaware
Delaware Inland Bays	Delaware
Sarasota Bay	Florida
Galveston Bay	Texas
CASCO	Maine
Massachusetts Bay	Massachusetts
Indian River Lagoon	Florida
Tampa Bay	Florida
Barataria-Terrebonne Estuarine Complex	Louisiana

NPDES RATING WORKSHEET APPENDIX C

Coal Facility Discretionary Major Weighting Factor Guideline

Tonnage:	4 Points	$\geq 1,500,000$ t/y coal mined or processed
	2 Points	$\geq 500,000$ t/y and $< 1,500,000$ t/y coal mined or processed
	0 Points	$< 500,000$ t/y coal mined or processed
Coal Origin:	5 Points	Acidic seam
	0 Points	Non-acidic seam
Discharge Rate		
(Average):	5 Points	$\leq 1,500$ GPM (2.2 MGD)
	3 Points	$< 1,500$ GPM and ≥ 500 GPM
	1 Point	< 500 GPM
Receiving Stream		
	5 Points	Trout (coldwater fishery) stream
	3 Points	Other high quality stream
	0 Points	Other streams
Discretion:	0-10 Points	Sensitive watershed public w.s. intakes, public comment, past chronic violator, potential environmental damage

The above rating guide can be used to prioritize coal facilities for designation as discretionary majors. A rating of 15 points would appear to be a reasonable starting point for consideration as a discretionary major.

B. Federal Effluent Guidelines

For additional information and procedures for applying effluent guidelines see [Chapter 5](#) of the NPDES Permit Writer's Manual.

Airport Deicing	40 CFR Part 449
Aluminum Forming	40 CFR Part 467
Asbestos Manufacturing	40 CFR Part 427
Battery Manufacturing	40 CFR Part 461
Canned and Preserved Fruits and Vegetables	40 CFR Part 407
Canned and Preserved Seafood	40 CFR Part 408
Carbon Black Manufacturing	40 CFR Part 458
Cement Manufacturing	40 CFR Part 411
Centralized Waste Treatment	40 CFR Part 437
Coal Mining	40 CFR Part 434
Coil Coating	40 CFR Part 465
Concentrated Aquatic Animal Production	40 CFR Part 451
Copper Forming	40 CFR Part 468
Dairy Products	40 CFR Part 405
Electrical and Electronic Components	40 CFR Part 469
Electroplating	40 CFR Part 413
Explosives Manufacturing	40 CFR Part 457
Feedlots	40 CFR Part 412
Ferroalloy Manufacturing	40 CFR Part 424
Fertilizer Manufacturing	40 CFR Part 418
Glass Manufacturing	40 CFR Part 426
Grain Mills	40 CFR Part 406
Gum and Wood Chemicals Manufacturing	40 CFR Part 454
Hospitals	40 CFR Part 460
Ink Formulating	40 CFR Part 447
Inorganic Chemicals Manufacturing	40 CFR Part 415
Iron and Steel Manufacturing	40 CFR Part 420
Landfills	40 CFR Part 445
Leather Tanning and Finishing	40 CFR Part 425
Meat Products	40 CFR Part 432
Metal Finishing	40 CFR Part 433
Metal Molding and Casting	40 CFR Part 464
Mineral Mining and Processing	40 CFR Part 436
Nonferrous Metals	40 CFR Part 421
Nonferrous Metal Forming	40 CFR Part 471
Oil and Gas Extraction	40 CFR Part 435
Ore Mining and Dressing	40 CFR Part 440
Organic Chemicals, Plastics and Synthetic Fibers	40 CFR Part 414
Paint Formulating	40 CFR Part 446
Paving and Roofing Materials	40 CFR Part 443
Pesticide Chemicals	40 CFR Part 455
Petroleum Refining	40 CFR Part 419
Pharmaceutical Manufacturing	40 CFR Part 439
Phosphate Manufacturing	40 CFR Part 422
Photographic Processing	40 CFR Part 459
Plastics Molding and Forming	40 CFR Part 463

Porcelain Enameling	40 CFR Part 466
Pulp, Paper and Paperboard	40 CFR Part 430
Rubber Processing	40 CFR Part 428
Secondary Treatment	40 CFR Part 133
Soaps and Detergents	40 CFR Part 417
Steam Electric Power Generation (not applicable to biomass)	40 CFR Part 423 ¹
Sugar Processing	40 CFR Part 409
Textile Mills	40 CFR Part 410
Timber Products	40 CFR Part 429
Toxic Pollutant Effluent Standards	40 CFR Part 129
Transportation Equipment Cleaning	40 CFR Part 442
Waste Combustors	40 CFR Part 444
pH Effluent Limitations Under Continuous Monitoring	40 CFR Part 401.

¹ Note that review of the development document for this point source category does not contain any basis using the using low level PCB testing (such as test method 1668) to determine compliance with the "No Discharge" requirement for this point source category. Discussions with EPA Region III confirm that Method 608 is appropriate for determining compliance with this federal effluent guideline.

As VPDES permits for Steam Electric Power Generating facilities are issued/reissued, the condition requiring "No Discharge" of PCB compounds should reference Method 608. Suggested permit language is as follows:

"There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid. Compliance with this requirement will be determined using EPA Method 608."

C. Sampling

1. Introduction

It is not practical to formulate a set of fixed sampling and analysis schedules for all industrial discharges due to the wide range in categories and sizes of industries. However, in an attempt to establish some statewide uniformity, 1 sample per month for continuous discharge of process wastewaters is recommended for use in drafting of VPDES industrial permits. If the permit writer determines, based on the nature of the discharge, that once per month sampling is more or less stringent than necessary for a facility, then another frequency may be used. Provide rationale for deviations in the Fact Sheet. **Facilities which have sampling frequencies promulgated by federal effluent guidelines are not allowed to be reduced.** It is still necessary to evaluate each discharge on an individual basis when developing these monitoring programs. Refer to the Case-by-Case method below for assistance in setting sampling frequencies on an individual basis.

2. General Procedures in Exercising the Case-by-Case Approach

- a. A sound sampling program should avoid excessive data collection - costly for both the discharger and the State reviewing agency. Frequency of sampling and analysis must be adequate enough to reasonably assess the permittee's performance and to effectively evaluate its potential impact on the receiving stream.
- b. Frequency of sampling will be largely determined by:
 - 1) Compatibility of the wastewater discharge and stream uses;
 - 2) Receiving water quality;
 - 3) Potential presence of toxic or hazardous materials;
 - 4) Variability of the wastewater;
 - 5) Mode of discharge - batch, continuous, controlled, etc.
 - 6) Residence time - wastewater treatment facilities with short residence time should be sampled more frequently than those with long residence time; and
 - 7) Whether the discharge is capable of meeting permit limits.
- c. The use of sampling frequencies below the minimums identified in the standard industrial permits (Section IN-3) and applicable general permits, requires justification in the Fact Sheet.

3. Sample Type

Base the sample type on treatment technology and discharge duration. A batch type discharge or flows averaging less than 0.040 MGD would be handled differently from a continuous discharger with an effluent that changes character over the discharge period. Grab samples are applicable for effluents that are not variable and for the parameters listed below:

- a. Continuous Totalizing, Indicating, and Recording or estimate should be used for flows.
- b. Continuous recording, or immersion stabilization should be used for temperature. Continuous recording refers to an *in-situ* measurement where a thermometer or thermistor is positioned in the stream of flow and electronically sends the temperature readings to a recording device. Immersion stabilization refers to an *in-situ* measurement where a

thermometer or thermistor is suspended in the flow channel until the temperature reading stabilizes and the reading would then be recorded manually for that measurement.

- c. Grab samples or continuous recording should be used for pH, DO, and residual chlorine (See MN-1 for suggested sampling types).
- d. Grab samples should be used for bacteria, cyanide, oil and grease, dissolved metals, acid and base/neutral-extractables, volatile organics, pesticides/PCBs, phenols and xylenes. When discharges have variable concentrations of these parameters, the collection of multiple grab samples may be required. **Note that per 40 CFR Part 136, for dissolved metals, samples should be filtered within 15 minutes of collection before adding preservative.**
- e. Where the discharge is continuous with variable characteristics over a 24-hour period, all other parameters should have 24-hour composite sampling unless stated differently in the manual.

4. Reporting Instructions

The results of Part I.A monitoring are reported via eDMR. If the facility is sampling the effluent at a frequency greater than the permit requirement for a parameter limited in the permit, the RO may request the permittee to submit a separate report with the DMR that details the results of the additional monitoring.

5. Monitoring Reductions for Reissuances

a. Qualification Criteria

Per [GM24-2004](#), reduced monitoring may be provided to certain facilities based on their performance and compliance history. The procedures outlined in this section represent the updated recommendations. Permit writers should evaluate with each reissuance whether a facility qualifies for reduced monitoring. Monitoring frequency reductions are not considered effluent limitations under section 402(o) of the Clean Water Act, and therefore anti-backsliding prohibitions would not be triggered by reductions in monitoring frequencies. Some facilities and parameters (e.g., chemicals for disinfection (chlorine) and dechlorination) are not eligible for reduced monitoring to ensure protection of aquatic life and human health. For further details see subdivision A.5.d. (Special Considerations).

The following should be considered when facilities are evaluated for reduced monitoring:

- 1) Seasonal limits should not be eligible for reduced monitoring. Seasonally tiered limits already reflect relief from an annual limit.
- 2) To qualify for consideration of reduced monitoring requirements, the facility should not have been issued three or more Warning Letters, two or more NOVs, or be under any Consent Orders, Consent Decrees, or related enforcement actions during the past three years.
- 3) If the facility has received fewer than three Warning Letters or two NOVs during the past three years, reduced monitoring can be considered for parameters that did not incur effluent violations.
- 4) If the facility has received a Warning Letter or NOV for effluent violations of a WET limit during the past two years, it should not be considered for reduced monitoring.

- 5) If a facility has multiple and independent outfalls, and one outfall was subject to compliance or enforcement actions(s) in the past three years, the rest of the outfalls are not eligible for reduced monitoring.
- 6) Parameters sampled once per month or less frequently should not be considered for additional monitoring reductions.
- 7) If an upgraded facility replaces a facility that was under an enforcement action, the new facility can be considered for monitoring reduction after it produces three years of effluent data.
- 8) If the facility has had other operational excursions such as exceeding the 95% flow level, but has not yet been issued an enforcement action, it can still qualify for monitoring reduction.

b. Calculation of Monitoring Reductions

For each eligible parameter, calculate the three-year composite average of representative data at each outfall. (Note: D.O., pH, temperature and bacteria are evaluated differently, as described at the end of this section.) The ratio of the composite long-term average is divided by the permit limit, and the resulting percentage provides the potential monitoring frequency reduction.

Monitoring Frequency "Floor": Current federal NPDES regulations do not establish a monitoring frequency "floor" but do establish a reporting frequency floor of once/year. The monitoring frequency from which reductions could be made in this manual is considered to be the level of the monitoring in the existing effective VPDES permit. It is important to recognize that the EPA guidance from which Table 1 was taken asserts that there is no loss of statistical confidence in determining whether a permit limit is being violated at reduced monitoring frequencies. Also, the EPA guidance does not advocate any reductions for parameters that are currently monitored only once/quarter.

However, other factors may be considered specific to the facility. If a facility has already been given monitoring reductions due to superior performance, the baseline *may* be a previous permit. *In this case it is not recommended that further reductions be granted.* It is important to recognize that permittees who receive monitoring frequency reductions in accordance with Table 1 are still expected to take all appropriate measures to control both the average level of pollutants of concern in their discharge (mean) as well as the variability of such parameters in the discharge (variance), regardless of any reductions in monitoring frequencies granted from the baseline levels.

Monitoring Frequency Reduction Based on Actual Performance Percentage of Permit Limit
Ratio of Composite Long-Term Average to Monthly Average Limit X100

Baseline Monitoring Frequency	75-66%	65-50%	49-25%	<25%
7/wk	5/wk	4/wk	3/wk	1/wk
6/wk	4/wk	3/wk	2/wk	1/wk
5/wk	4/wk	3/wk	2/wk	1/wk
4/wk	3/wk	2/wk	1/wk	1/wk
3/wk	3/wk	2/wk	1/wk	1/wk
2/wk	2/wk	1/wk	2/mo	1/mo
1/wk	1/wk	1/wk	2/mo	1/2mo

- 1) New permittees and upgraded treatment facilities should generate three years of data before being eligible for consideration for reduced monitoring. Existing permittees' data submitted during the permit term should be evaluated at permit reissuance to determine if the level of reduced monitoring is still appropriate.
- 2) Facilities which satisfy the qualification criteria but are not experiencing discharges of 75% or less of their permitted levels of water quality-based parameters should not be eligible for reductions in monitoring/reporting frequencies.
- 3) Dissolved Oxygen: Where the post-aeration system is passive (i.e., cascade steps), reduction of monitoring frequency can be considered on a case-by-case basis. Reduced monitoring should not be allowed during months when minimum or average D.O.s fall within 0.5 mg/l or 1.0 mg/l, respectively, of the permit limit.
- 4) pH: Where pH is not directly adjusted by chemical addition, reduction of monitoring frequency can be considered on a case-by-case basis. Reduced monitoring should not be allowed where minimum or maximum pHs fall within 0.5 units of the permit limits.
- 5) Temperature: Reduction of monitoring frequency may be considered on a case-by-case basis.
- 6) Bacteria: Reduction of monitoring frequency when using TRC disinfection can be considered on a case-by-case basis (i.e. if the chlorine contact tank is designed in accordance with the SCAT regulation and operating correctly) but not less than 4 weekly samples in one calendar month per quarter for majors and not less than 4 weekly samples in one calendar month per year or one annual sample (single sample maximum NOT geometric mean) for minors.

All bacteria sampling should be conducted between the hours of 10:00 a.m. and 4:00 p.m.

Example Reduced Monitoring Schedule for Bacteria												
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Major			4 Weekly Samples Quarterly			4 weekly samples Quarterly			4 weekly samples Quarterly			4 weekly samples Quarterly
Minor					4 Weekly Samples Annually			1/month Annually Use Single Sample Max as Limit (Not Geometric Mean)				

Monitoring reductions for bacteria for facilities using alternate disinfection may be granted on a case by case basis in non-PWS and non-shellfish waters depending on past performance and if the UV system utilizes dose pacing with appropriate alarms (e.g., failure to achieve dose or high/low flow, intensity, and transmittance) to provide assurance that the design dose, and subsequent disinfection, is being achieved. The

O&M Manual should be modified to include a schedule for recording pertinent UV operational data.

c. Reinstating Higher Monitoring Special Condition

Permittees are expected to maintain high performance levels after being granted reduced monitoring. If the permittee receives notice of violations related to any of the effluent limitations for which reduced monitoring was granted, reinstate the baseline frequencies for all parameters that previously had reduced monitoring.

d. Special Considerations

- 1) **Discontinuous data:** Monitoring cannot be reduced using the methodology described above if effluent data have not been continuously reported over the period of time being considered. Effluent averages from interrupted or discontinuous data sets may not be representative of long-term performance. Monitoring frequencies for discharges that are intermittent or short-term, such as seasonal discharges, and highly variable batch processes, cannot be assessed or reduced using the methods described in these procedures.
- 2) **Exceptions:** It may be appropriate to maintain higher monitoring levels in individual situations where there may be a particular interest in human health, endangered species, or a sensitive aquatic environment. An example would be a water body that has water quality problems and it has been determined which point and nonpoint sources are particularly critical from the standpoint of protection of aquatic resources (e.g., endangered species) or human health (e.g., drinking water source). Discharges that involve addition of chemicals such as polymers for flocculation may change character rapidly and might not continue to reflect the quality demonstrated in earlier monitoring. The permit writer may decide not to reduce monitoring of critical point sources in these instances. The permit writer should always apply Professional Judgement in setting monitoring frequencies.
- 3) **Limits below Levels of Detection:** We do not recommend reductions in monitoring frequencies in cases where stringent water-quality based effluent limits (WQBELs) are below levels of quantitation (the level at which a constituent present in a wastewater sample can be reliably detected and quantified). Permittees with these types of limits will normally be deemed to be in compliance when monitored levels are below the level of quantitation; however, by definition, it is not scientifically possible (until analytical methods improve) to certify that the WQBELs are actually being achieved. Thus, DEQ feels it would be inappropriate to develop procedures recommending reductions from established monitoring frequencies for these types of limits.
- 4) **Use of Daily Maximum Values:** These procedures do not provide a specific methodology for considering daily maximum permit values when considering monitoring/reporting reductions. Consider such situations on a case-by-case basis. There may be concerns over instances where, for example, there are acutely toxic conditions in a receiving water due to violations of daily maximum permit limitations. In such cases, higher monitoring frequencies may be required. In addition, it is important to recognize that dischargers who frequently violate daily maximum permit limitations will likely be unable to achieve high levels of performance in monthly average limits and effectively would not be eligible to participate in this program on that basis. In addition, such facilities may also trigger enforcement criteria.

6. Bacteria Sampling Schedule Table

Bacteria monitoring frequencies may be 4/month (weekly 10am-4pm) provided TRC sampling frequencies are applied that match those TRC sampling requirements in the sampling schedule table in MN-1. For alternative disinfection, follow the sampling schedule following the paragraph below. If the facility has discontinuous discharge and 4 monthly samples are difficult to obtain, use a monthly single sample maximum of 235 CFU/100 ml instead of monthly geometric mean of 126 CFU/100ml.

When disinfection is by means other than chlorination, use the following procedures for bacteria monitoring frequency to ensure adequate continuous disinfection. This follows the same sampling frequencies in the Sample Frequency Table in MN-1. For industrial facilities, the design flow should be the maximum flow of the sanitary portion only when the flows are combined. For food processors which may have process wastewater contaminated by bacteria, base the frequency on the maximum 30-day average flow.

Design Flow (MGD)	Frequency
> 2.0	1/day (10 am to 4 pm, grab)
1.0-2.0	5 days/wk (10 am to 4 pm, grab)
0.101-0.999	3 days/wk at 48- hour intervals (10 am to 4 pm, grab)
0.0401-.01	2 days/wk (10 am to 4 pm, grab)
< 0.040	1/week (10 am to 4 pm, grab)

7. Reporting

The results of Part I.A monitoring are reported on the DMR. DMRs are submitted via myDEQ Portal by the 10th of each month for reporting the previous month's monitoring activities. Reports of monitoring required by special conditions may be submitted as separate documents.