

Reference Data

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Calculation Methods by Order of Preference

Preference	Calculation Method by Order of Preference
1	[1] CEMS (no EF)
2	[3] Material Balance (no EF)
3	[3-1] Material Balance EF (pre-control)
4	[3-2] Material Balance EF (post-control)
5	[24] Stack Test EF (pre-control)
6	[4] Stack Test EF (post-control)
7	[30] Site Specific EF (pre-control)
8	[10] Site Specific EF (post-control)
9	[31] Vendor EF (pre-control)
10	[11] Vendor EF (post-control)
11	[7] Manufacturer Specification (no EF)
12	[32] Trade Group EF (pre-control)
13	[12] Trade Group EF (post-control)
14	[28-WF] USEPA WebFIRE EF (pre-control)
15	[28] USEPA EF (pre-control)
16	[8-WF] USEPA WebFIRE EF (post-control)
17	[8] USEPA EF (post-control)
18	[40-2] Regional Testing EF (pre-control)
19	[40-1] Regional Testing EF (post-control)
20	[29] S/L/T EF (pre-control)
21	[9] S/L/T EF (post-control)
22	[41-2] Peer Reviewed Literature EF (pre-control)
23	[41-1] Peer Reviewed Literature EF (post-control)
24	[33] Other EF (pre-control)
25	[13] Other EF (post-control)
26	[2] Engineering Judgment (no EF)
27	[5] USEPA Speciation Profile (no EF)
28	[6] S/L/T Speciation Profile (no EF)
29	[42-2] FEPS EF (pre-control)
30	[42-1] FEPS EF (post-control)

Calculation Methods Defined

Calculation Method	Definition
[1] CEMS (no EF)	<p>This is actual continuous measured emissions for the process.</p> <p>Highest preference because it is the actual value of emissions.</p>
[2] Engineering Judgment (no EF)	<p>There isn't any specific information for this process or source type and someone has used their best judgement to apply methods from similar circumstances. Last resort.</p>
[3] Material Balance (no EF)	<p>This is the calculation of the difference between material used and recovered. The concept is that if it wasn't recovered, then it was released into the air.</p>
[3-1] Material Balance EF (pre-control)	<p>This is the calculation of the difference between material used and recovered. The concept is that if it wasn't recovered, then it was released into the air. Pre-control allows for the use of control specific information for the site.</p> <p>Using an emission factor introduces an average element to the calculation, which makes it less accurate than when all of the data is actual measured values.</p>
[3-2] Material Balance EF (post-control)	<p>This is the calculation of the difference between material used and recovered. The concept is that if it wasn't recovered, then it was released into the air.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that an entirely new emission factor needs to be developed if changes occur with the control device.</p> <p>Using an emission factor introduces an average element to the calculation, which makes it less accurate than when all of the data is actual measured values.</p>
[4] Stack Test EF (post-control)	<p>This method uses a formula based upon a tested emission factor. Since the emission factor is usually derived from a test consisting of three runs occurring in similar circumstances, it does not cover all situations that the emission unit or process might operate under.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that an entirely new emission factor needs to be developed if changes occur with the control device.</p> <p>Actual year-long data is better.</p>
[7] Manufacturer Specification (no EF)	<p>This means that the specifications for the equipment were used to determine the emissions. This method may represent new equipment well, but may struggle to properly represent equipment that has experienced regular wear from operation or upsets.</p>
[8] USEPA EF (post-control)	<p>This method uses a formula based upon an USEPA supplied emission factor. The USEPA emission factor is derived from information from multiple sites across the country within a source-type. It is not specific to a site or the exact equipment at a site, but it is still likely to represent an annual average for a general category of equipment. It will most likely not cover all situations that the emission unit or process might operate under. USEPA recommends that these values be used for emissions inventories, but not necessarily for site-specific permitting.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that it can only be used for the specific control referenced for the emission factor.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate. This is lower in priority due to the fact that many of these emission factors have not been updated in many years and don't necessarily represent current equipment at specific sites.</p> <p>The USEPA (non-WebFIRE) calculation method does not offer emission factors to choose from, one must be entered by hand.</p>

Calculation Methods Defined

Calculation Method	Definition
[8-WF] USEPA WebFIRE EF (post-control)	<p>This method uses a formula based upon an USEPA supplied emission factor. The USEPA emission factor is derived from information from multiple sites across the country within a source-type. It is not specific to a site or the exact equipment at a site, but it is still likely to represent an annual average for a general category of equipment. It will most likely not cover all situations that the emission unit or process might operate under. USEPA recommends that these values be used for emissions inventories, but not necessarily for site-specific permitting.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that it can only be used for the specific control referenced for the emission factor.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate. This is lower in priority due to the fact that many of these emission factors have not been updated in many years and don't necessarily represent current equipment at specific sites.</p> <p>The USEPA WebFIRE calculation method has emission factors that can be chosen based upon information in the reference tables.</p>
[9] S/L/T EF (post-control)	<p>This method uses a formula based upon a state generated emission factor. These emission factors may have been determined by an analysis performed by a collection of states, or specifically by the State of Michigan, of relevant data for the source-type. The emission factors may also be emission factors borrowed from a similar process type as a gap-filling measure. For example, a small boiler in a commercial setting may have similar emission factors to a small boiler in an industrial setting, though they may have different Source Classification Codes.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that it can only be used for the specific control referenced for the emission factor.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate. More researched and substantiated emission factors are preferred when available.</p> <p>The S/L/T calculation method has emission factors that can be chosen based upon information in the reference tables. NOT BUILT IN YET</p>
[10] Site Specific EF (post-control)	<p>This method uses a formula based upon a site-specific emission factor. The site-specific emission factor may be derived through many different methods, but is still likely to represent an annual average. It will most likely not cover all situations that the emission unit or process might operate under.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that an entirely new emission factor needs to be developed if changes occur with the control device.</p> <p>Data based upon actual values (measured or tested) is more accurate.</p>
[11] Vendor EF (post-control)	<p>This method uses a formula based upon a vendor supplied emission factor. The vendor supplied emission factor may be derived through many different methods, but is still likely to represent an annual average. It will most likely not cover all situations that the emission unit or process might operate under.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that an entirely new emission factor needs to be developed if changes occur with the control device.</p> <p>Data based upon actual values (measured or tested) is more accurate.</p>

Calculation Methods Defined

Calculation Method	Definition
[12] Trade Group EF (post-control)	<p>This method uses a formula based upon trade group supplied emission factor. The trade group emission factor is derived from information from multiple sites within a source-type. It is not specific to a site or the exact equipment at a site, but it is still likely to represent an annual average for a general category of equipment. It will most likely not cover all situations that the emission unit or process might operate under.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that an entirely new emission factor needs to be developed if changes occur with the control device.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate.</p>
[13] Other EF (post-control)	<p>This method uses a formula based upon “other” emission factors. These emission factors would have been derived in a method not already discussed, generally with less research and test data to support it.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that it can only be used for the specific control referenced for the emission factor.</p> <p>More researched and substantiated emission factors are preferred when available.</p>
[24] Stack Test EF (pre-control)	<p>This method uses a formula based upon a tested emission factor. Since the emission factor is usually derived from a test consisting of three runs occurring in similar circumstances, it does not cover all situations that the emission unit or process might operate under.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Actual year-long data is better.</p>
[28] USEPA EF (pre-control)	<p>This method uses a formula based upon an USEPA supplied emission factor. The USEPA emission factor is derived from information from multiple sites across the country within a source-type. It is not specific to a site or the exact equipment at a site, but it is still likely to represent an annual average for a general category of equipment. It will most likely not cover all situations that the emission unit or process might operate under. EPA recommends that these values be used for emissions inventories, but not necessarily for site-specific permitting.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate. This is lower in priority due to the fact that many of these emission factors have not been updated in many years and don’t necessarily represent current equipment at specific sites.</p> <p>The USEPA (non-WebFIRE) calculation method does not have emission factors.</p>
[28-WF] USEPA WebFIRE EF (pre-control)	<p>This method uses a formula based upon an USEPA supplied emission factor. The USEPA emission factor is derived from information from multiple sites across the country within a source-type. It is not specific to a site or the exact equipment at a site, but it is still likely to represent an annual average for a general category of equipment. It will most likely not cover all situations that the emission unit or process might operate under. EPA recommends that these values be used for emissions inventories, but not necessarily for site-specific permitting.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate. This is lower in priority due to the fact that many of these emission factors have not been updated in many years and don’t necessarily represent current equipment at specific sites.</p> <p>The USEPA WebFIRE calculation method has emission factors that can be chosen based upon information in the reference tables.</p>

Calculation Methods Defined

Calculation Method	Definition
[29] S/L/T EF (pre-control)	<p>This method uses a formula based upon a State generated emission factor. These emission factors may have been determined by an analysis performed by a collection of states, or specifically by the State of Michigan, of relevant data for the source-type. The emission factors may also be emission factors borrowed from a similar process type as a gap-filling measure. For example, a small boiler in a commercial setting may have similar emission factors to a small boiler in an industrial setting, though they may have different Source Classification Codes.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate. More researched and substantiated emission factors are preferred when available. Not built in yet.</p>
[30] Site Specific EF (pre-control)	<p>This method uses a formula based upon a site-specific emission factor. The site-specific emission factor may be derived through many different methods, but is still likely to represent an annual average. It will most likely not cover all situations that the emission unit or process might operate under.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Data based upon actual values (measured or tested) is more accurate.</p>
[31] Vendor EF (pre-control)	<p>This method uses a formula based upon a vendor supplied emission factor. The vendor supplied emission factor may be derived through many different methods, but is still likely to represent an annual average. It will most likely not cover all situations that the emission unit or process might operate under.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Data based upon actual values (measured or tested) is more accurate.</p>
[32] Trade Group EF (pre-control)	<p>This method uses a formula based upon trade group supplied emission factor. The trade group emission factor is derived from information from multiple sites within a source-type. It is not specific to a site or the exact equipment at a site, but it is still likely to represent an annual average for a general category of equipment. It will most likely not cover all situations that the emission unit or process might operate under.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate.</p>
[33] Other EF (pre-control)	<p>This method uses a formula based upon "other" emission factors. These emission factors would have been derived in a method not already discussed, generally with less research and test data to support it.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>More researched and substantiated emission factors are preferred when available.</p>
[40-1] Regional Testing EF (post-control)	
[40-2] Regional Testing EF (pre-control)	

Calculation Methods Defined

Calculation Method	Definition
[41-1] Peer Reviewed Literature EF (post-control)	<p>This method uses a formula based upon emission factors published in peer reviewed literature. These emission factors are most likely a result of research performed on a source type.</p> <p>Post-control already incorporates the control type reported at the site. However, it means that it can only be used for the specific control referenced for the emission factor.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate.</p>
[41-2] Peer Reviewed Literature EF (pre-control)	<p>This method uses a formula based upon emission factors published in peer reviewed literature. These emission factors are most likely a result of research performed on a source type.</p> <p>Pre-control allows for the use of control specific information for the site.</p> <p>Site-specific information and data based upon actual values (measured or tested) are more accurate.</p>

Control Devices

EIS Control Measure Code	EIS Description	EIS Pollutant Type(s)	EIS Last Updated Date
19	Catalytic Afterburner	Device	1/18/2018
20	Catalytic Afterburner with Heat Exchanger	Device	1/18/2018
21	Direct Flame Afterburner	Device	1/18/2018
22	Direct Flame Afterburner with Heat Exchanger	Device	1/18/2018
23	Flaring	Device	1/18/2018
25	Staged combustion	Device	1/18/2018
26	Flue Gas Recirculation	Device	1/18/2018
29	Low Excess Air Firing	Device	1/18/2018
31	Air Injection	Device	1/18/2018
35	Magnesium Oxide Scrubbing	Device	1/18/2018
36	Dual Alkali Scrubbing	Device	1/18/2018
38	Ammonia Scrubbing	Device	1/18/2018
41	Dry Limestone Injection	Device	1/18/2018
42	Wet Limestone Injection	Device	1/18/2018
45	Sulfur Plant	Device	1/18/2018
46	Process Change	Practice	1/18/2018
48	Adsorption - Activated Carbon or other	Device	1/18/2018
49	Liquid Filtration System	Device	1/18/2018
50	Packed-Gas Absorption Column	Device	1/18/2018
51	Tray-Type Gas Absorption Column	Device	1/18/2018
52	Spray Tower	Device	1/18/2018
54	Process Enclosed	Device	1/18/2018
56	Dynamic Separator (Dry)	Device	1/18/2018
57	Dynamic Separator (wet)	Device	1/18/2018
58	Mat or Panel Filter	Device	1/18/2018
59	Metal Fabric Filter Screen (Cotton Gins)	Device	1/18/2018
60	Process Gas Recovery	Device	1/18/2018
63	Gravel Bed Filter	Device	1/18/2018
64	Annular Ring Filter	Device	1/18/2018
65	Catalytic Reduction	Device	1/18/2018
66	Molecular Sieve	Device	1/18/2018
67	Wet Lime Slurry Scrubbing	Device	1/18/2018

Control Devices

EIS Control Measure Code	EIS Description	EIS Pollutant Type(s)	EIS Last Updated Date
68	Alkaline Fly Ash Scrubbing	Device	1/18/2018
69	Sodium Carbonate Scrubbing	Device	1/18/2018
70	Sodium-Alkali Scrubbing	Device	1/18/2018
75	Cyclone / Centrifugal Collector	Device	1/18/2018
79	Dry Electrostatic Granular Filter (DEGF)	Device	1/18/2018
82	Ozonation	Device	1/18/2018
85	Wet Cyclonic Separator	Device	1/18/2018
86	Water Curtain	Device	1/18/2018
87	Nitrogen Blanket	Device	1/18/2018
88	Conservation Vent	Device	1/18/2018
89	Bottom Filling	Practice	1/18/2018
93	Submerged Filling	Practice	1/18/2018
95	White Paint	Device	1/18/2018
96	Vapor Lock Balance Recovery System	Device	1/18/2018
97	Secondary Seal on Floating Roof Tank	Device	1/18/2018
99	Other Control Device	Device	1/18/2018
101	High-Efficiency Particulate Air Filter (HEPA)	Device	1/18/2018
102	Low Solvent Coatings	Device	1/18/2018
103	Powder Coatings	Device	1/18/2018
104	Waterborne Coatings	Device	1/18/2018
109	Catalytic Oxidizer / Incinerator	Device	1/18/2018
110	Vapor Recovery Unit	Device	1/18/2018
112	Afterburner	Device	1/18/2018
113	Rotoclone	Device	1/18/2018
119	Dry Scrubber	Device	1/18/2018
121	Cyclones (Multiple)	Device	1/18/2018
127	Fabric Filter / Baghouse	Device	1/18/2018
128	Electrostatic Precipitator - Dry (DESP)	Device	1/18/2018
132	Condenser	Device	1/18/2018
133	Thermal Oxidizer / Incinerator	Device	1/18/2018
139	Selective Catalytic Reduction (SCR)	Device	1/18/2018
140	Selective Non-catalytic Reduction (SNCR)	Device	1/18/2018

Control Devices

EIS Control Measure Code	EIS Description	EIS Pollutant Type(s)	EIS Last Updated Date
141	Wet Scrubber	Device	1/18/2018
146	Electrostatic Precipitator - Wet (WESP)	Device	1/18/2018
147	Increased Air/Fuel Ratio with Intercooling	Practice	1/18/2018
149	Pre-Combustion Chamber	Device	1/18/2018
154	Screened Drums or Cages	Device	1/18/2018
157	Screen	Device	1/18/2018
201	Knock Out Box	Device	1/18/2018
202	Spray Dryer Adsorber (SDA)	Device	1/18/2018
203	Catalytic Converter	Device	1/18/2018
204	Overfire Air	Device	1/18/2018
205	Low NOx Burner (LNB)	Device	1/18/2018
206	Dry Sorbent Injection (DSI, other than ACI)	Device	1/18/2018
207	Activated Carbon Injection (ACI)	Device	1/18/2018
208	Freeboard Refrigeration Device	Device	1/18/2018
209	Gravity Collector	Device	1/18/2018
211	Mist Eliminator	Device	1/18/2018
212	Steam Injection	Device	1/18/2018
213	Water Injection	Device	1/18/2018
214	Low Nitrogen Content Fuel	Practice	1/18/2018
215	Flue Gas Desulfurization (FGD)	Device	1/18/2018
217	Dust Suppression	Device	1/18/2018
218	Electrostatic Spraying	Device	1/18/2018
300	Devices Repeated in Series	Device	1/18/2018
301	Fuel reburning	Practice	1/18/2018
302	Biofilter	Device	1/18/2018
303	Catalytic Additives	Practice	1/18/2018
304	Enclosed Combustor	Device	1/18/2018
305	Diesel Particulate Filters (DPF)	Device	1/18/2018
306	Duct Sorbent Injection	Practice	1/18/2018
307	Furnace Sorbent Injection	Practice	1/18/2018
308	Wet Sorbent Injection	Device	1/18/2018
309	Leak Detection and Repair (LDAR) Program	Practice	1/18/2018

Control Devices

EIS Control Measure Code	EIS Description	EIS Pollutant Type(s)	EIS Last Updated Date
310	Non-Selective Catalytic Reduction (NSCR)	Device	1/18/2018
311	Other Pollution Prevention Technique	Practice	1/18/2018
312	Oxidation Catalyst	Practice	1/18/2018
313	Spray booth and Filter	Device	1/18/2018
314	Spray booth and Overspray Arrestor	Device	1/18/2018
315	Spray guns - High Volume, Low Pressure (HVLP)	Device	1/18/2018
316	Ultra Low NOx Burners (ULNB)	Device	1/18/2018
317	Recuperative Thermal Oxidizer	Device	1/18/2018
318	Product Substitution	Practice	1/18/2018
319	Regenerative Thermal Oxidizer	Device	1/18/2018
320	Combustion Device	Device	1/18/2018
321	Cover Vented to Control Device		1/18/2018
322	External Floating Roof Tank	Device	1/18/2018
323	Fixed Roof Tank	Device	1/18/2018
324	Fixed Roof Tank vented to Control Device	Device	1/18/2018
325	Fixed Roof Tank with Internal Floating Roof	Device	1/18/2018
326	Floating Membrane Cover		1/18/2018
327	Floating Roof	Device	1/18/2018
328	Internal Floating Roof	Device	1/18/2018
329	Multiple Controls in Series		1/18/2018
330	Pressurized Tank	Device	1/18/2018
331	Process Modification	Practice	1/18/2018
332	Vapor Balancing	Practice	1/18/2018
333	Thermal Catalytic Oxidizer without heat recovery	Device	1/18/2018
334	Rotary Bed Protector	Device	1/18/2018
335	Process Incineration in onsite unit (100% of exhaust gas)	Practice	1/18/2018
336	Process Incineration in onsite unit (<100% of exhaust gas)	Practice	1/18/2018
337	Thermal Catalytic Oxidizer	Device	1/18/2018
338	Turbine to Burn Waste Gas		2/27/2023
339	Boiler to Burn Waste Gas		2/27/2023
340	Internal Combustion Device to Burn Waste Gas		2/27/2023

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
690	E001	Adhesive Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
620	E002	Air Stripping	Process Equipment-Distillation Column/Stripper	EGLE custom Emission Unit type	
410	E003	Anodizing (Chrome)	Evaporative Sources-Open Tank or Vat	EGLE custom Emission Unit type	
410	E004	Anodizing (Non Chrome)	Evaporative Sources-Open Tank or Vat	EGLE custom Emission Unit type	
290	E005	Asphalt Drum Dryer / Mixer Counterflow	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
690	E006	Auto Assembly Plant	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E007	Auto Glass Installation	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E008	Auto Parts	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E009	Auto Stamping	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E010	Autoclave	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
790	E011	Baghouse or fabric filter	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
690	E012	Ball Mill	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E013	Basic Oxygen Furnace Operations	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E014	Battery Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E015	Battery Recycling	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
372	372	Belt Filter Press	Process Equipment-Other process equipment		
690	E016	Biofilter	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E017	Biogas Conditioning System	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E018	Black Oxide Coating	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E019	Blast Furnace	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
100	E020	Boiler-Coal	Fuel Comb. Equipment-Boiler	EGLE custom Emission Unit type	
100	E021	Boiler-Dual Fuel	Fuel Comb. Equipment-Boiler	EGLE custom Emission Unit type	
100	E022	Boiler-Natural Gas	Fuel Comb. Equipment-Boiler	EGLE custom Emission Unit type	
100	E023	Boiler-Other Fuel	Fuel Comb. Equipment-Boiler	EGLE custom Emission Unit type	
100	E024	Boiler-Temporary	Fuel Comb. Equipment-Boiler	EGLE custom Emission Unit type	
100	E025	Boiler-Wood	Fuel Comb. Equipment-Boiler	EGLE custom Emission Unit type	
690	E026	Brewing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E027	Bulb Crusher	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
730	E028	Bulk Material Handling Equipment-Grinder	Bulk Material Handling Equipment-Grinder	EGLE custom Emission Unit type	
790	E029	Bulk Material Handling Equipment-Other bulk material equipment	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
290	E030	Burn-Off Oven	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
690	E100	Extraction-Cannabis	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E031	Catalyst Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E032	Catalyst Recycling	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E033	Chemical Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E034	Chemical Vapor Deposition	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E035	Chip Dryer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E036	Cleaning-Aqueous / Detergents	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
490	E037	Cleaning-Solvents (Evaporative Source)	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
690	E038	Clinker Cooler	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
450	E039	Coating Booth	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E040	Coating Line	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
690	E041	Coating Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
490	E042	Coating-Adhesive	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
450	E043	Coating-Dip	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E044	Coating-Electrodeposition	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
450	E045	Coating-Graphite	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E046	Coating-Hydrographic	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E047	Coating-Metal	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E048	Coating-Plasma Spray	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E049	Coating-Plastic	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E050	Coating-Powder	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E051	Coating-Primer Surfacer	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E052	Coating-Repair	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
490	E053	Coating-Sealer	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
450	E054	Coating-Thermal Spray	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E055	Coating-Three-Wet	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E056	Coating-Topcoat	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E057	Coating-Undercoat	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E058	Coating-Vacuum Metalizing	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
450	E059	Coating-Wood Paneling	Evaporative Sources-Spray Booth or Coating Line	EGLE custom Emission Unit type	
690	E060	Cold Cleaner-Aqueous / Detergents	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
490	E061	Cold Cleaner-Solvents (Evaporative Source)	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
160	E062	Compressor Engine	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
690	E063	Concrete Batch Plant	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E064	Condenser	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
790	E065	Container Filling	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
690	E066	Conversion Coating	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
760	760	Conveyor	Bulk Material Handling Equipment-Conveyor		
680	680	Cooling Tower	Process Equipment-Cooling Tower		
690	E067	Core & Mold Making	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E068	Corrugator	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
270	E069	Cremation-Animal (Pathological Incinerator)	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
270	E070	Cremation-Human (Pathological Incinerator)	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
720	E071	Crusher-Metallic Minerals	Bulk Material Handling Equipment-Crusher	EGLE custom Emission Unit type	
720	E072	Crusher-Non-Metallic Minerals	Bulk Material Handling Equipment-Crusher	EGLE custom Emission Unit type	
720	E073	Crusher-Other	Bulk Material Handling Equipment-Crusher	EGLE custom Emission Unit type	
690	E074	Curing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
292	E075	Curing Oven-Mineral Wool and Fiberglass	Mineral Wool and Fiberglass-Curing Oven	EGLE custom Emission Unit type	
690	E076	Curing Oven-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E077	Cutting-Metal	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E078	Cutting-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
790	E079	Cyclone	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
690	E080	Degassing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
430	430	Degreaser	Evaporative Sources-Degreaser		
690	E081	Die Casting	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E082	Digester	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
620	E083	Distillation	Process Equipment-Distillation Column/Stripper	EGLE custom Emission Unit type	
690	E084	Dryer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
150	150	Duct Burner	Fuel Comb. Equipment-Duct Burner		
690	E085	Electroplating	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
280	E086	Enclosed Flare	Fuel Comb. Equipment-Flare	EGLE custom Emission Unit type	
690	E087	Enclosed Storage Pile	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
170	170	Engine Test Cell	Fuel Comb. Equipment-Engine Test Cell	includes aircraft engines, rocket engines, etc	includes aircraft engines, rocket engines, etc

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
160	E088	Engine-Diesel	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
160	E089	Engine-Emergency Fire Pump	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
160	E090	Engine-Emergency Generator	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
160	E091	Engine-Landfill Gas	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
160	E092	Engine-Natural Gas	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
160	E093	Engine-Other Fuel Or Dual Fuel	Fuel Comb. Equipment-Reciprocating IC Engine	EGLE custom Emission Unit type	
690	E094	Etching	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E095	Ethanol Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E096	Ethylene Oxide Sterilizer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
260	E097	Evaporative Sources-Indirect-fired Dryer	Evaporative Sources-Indirect-fired Dryer	EGLE custom Emission Unit type	
490	E098	Evaporative Sources-Other evaporative sources	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
718	718	Evaporator	Process Equipment-Other process equipment		
690	E099	Expandable Polystyrene	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E101	Extraction-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E102	Extrusion	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E103	Fermentation	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E104	Fiberglass	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
281	E105	Flare-Publicly Owned Treatment Works-Sludge Digester Gas	Publicly owned treatment works-Sludge Digester Gas Flare	EGLE custom Emission Unit type	
600	E106	Fluidized Bed Reactor	Process Equipment-Chemical Reactor	EGLE custom Emission Unit type	
690	E107	Foam Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E108	Food Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E109	Foundry Process-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
230	E110	Fuel Comb. Equipment-Coke Battery	Fuel Comb. Equipment-Coke Battery	EGLE custom Emission Unit type	
250	E111	Fuel Comb. Equipment-Direct-fired Dryer	Fuel Comb. Equipment-Direct-fired Dryer	EGLE custom Emission Unit type	
255	E112	Fuel Comb. Equipment-Dryer, unknown if direct or indirect.	Fuel Comb. Equipment-Dryer, unknown if direct or indirect.	EGLE custom Emission Unit type	
200	E113	Fuel Comb. Equipment-Furnace	Fuel Comb. Equipment-Furnace	EGLE custom Emission Unit type	
285	E114	Fuel Comb. Equipment-Open Burning	Fuel Comb. Equipment-Open Burning	EGLE custom Emission Unit type	
290	E115	Fuel Comb. Equipment-Other combustion	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
290	E116	Fuel Heater	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
730	E117	Fuel Pulverizer	Bulk Material Handling Equipment-Grinder	EGLE custom Emission Unit type	
390	E118	Fugitive Areas-Other fugitive	Fugitive Areas-Other fugitive	EGLE custom Emission Unit type	
360	E119	Fugitive Areas-Process Equipment and Process Area Drains	Fugitive Areas-Process Equipment and Process Area Drains	EGLE custom Emission Unit type	
350	E120	Fugitive Areas-Process Equipment Fugitive Leaks	Fugitive Areas-Process Equipment Fugitive Leaks	EGLE custom Emission Unit type	
310	E121	Fugitive Areas-Roof vents/Building vents	Fugitive Areas-Roof vents/Building vents	EGLE custom Emission Unit type	
300	E122	Fugitive-Other	Fugitive Areas-Open Air Fugitive Source	EGLE custom Emission Unit type	Landfills, Runways, Feedlots, Settling Ponds, WWTreatment units, Equipment Leaks, Haul Roads etc.
300	E123	Fugitive-Roads-Traffic	Fugitive Areas-Open Air Fugitive Source	EGLE custom Emission Unit type	Landfills, Runways, Feedlots, Settling Ponds, WWTreatment units, Equipment Leaks, Haul Roads etc.
200	E124	Furnace-Other Nonmelting	Fuel Comb. Equipment-Furnace	EGLE custom Emission Unit type	
690	E125	Galvanizing-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E126	Gasifier	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
490	E127	Gasoline Dispensing Facility	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
690	E128	Glass Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
690	E129	Glycol Dehydrator	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E130	Grain Dryer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E131	Grain Processing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
470	E132	Graphic Arts Line	Evaporative Sources-Printing Line	EGLE custom Emission Unit type	
470	E133	Graphic Arts-Flexo	Evaporative Sources-Printing Line	EGLE custom Emission Unit type	
470	E134	Graphic Arts-Offset Litho	Evaporative Sources-Printing Line	EGLE custom Emission Unit type	
470	E135	Graphic Arts-Rotogravure	Evaporative Sources-Printing Line	EGLE custom Emission Unit type	
690	E136	Grinding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
490	E137	Groundwater/Soil Remediation	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
690	E138	Hammermill	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E139	Hardboard Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E140	HCl Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
140	E141	Heat Recovery Steam Generator (HRSG)	Fuel Comb. Equipment-Combined Cycle (Boiler/Gas Turbine)	EGLE custom Emission Unit type	
690	E142	Heat Treating	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
290	E143	Heater-Oil	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
290	E144	Heater-Waste Oil	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
200	E145	Holding Furnace	Fuel Comb. Equipment-Furnace	EGLE custom Emission Unit type	
690	E146	Hot-Dip Galvanizing Line	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
270	E147	Incinerator-Hospital/Medical/Infectious Waste Incinerator (HMIWI)	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
270	E148	Incinerator-Municipal Waste Combustion Unit (MWCU) / Municipal Waste Combustor (MWC)	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
270	E149	Incinerator-Other	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
270	E150	Incinerator-Other Solid Waste Incineration (OSWI) Unit	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
270	E151	Incinerator-Sewage Sludge Incineration (SSI) Unit	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
270	E152	Incinerator-Hazardous Waste / Hazardous Waste Combustor (HWC)	Fuel Comb. Equipment-Incinerator	EGLE custom Emission Unit type	includes all types of waste combustors
690	E153	Injection Molding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E154	Inoculation	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
210	E155	Kiln-Other	Fuel Comb. Equipment-Kiln	EGLE custom Emission Unit type	
690	E156	Lab	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E157	Laminator-Solvent Based	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E158	Laminator-Solventless	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
300	E159	Landfill Gas Collection	Fugitive Areas-Open Air Fugitive Source	EGLE custom Emission Unit type	Landfills, Runways, Feedlots, Settling Ponds, WWTreatment units, Equipment Leaks, Haul Roads etc.
690	E160	Landfill Gas Treatment	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
215	215	Lime Kiln	Fuel Comb. Equipment-Calciner		
490	E161	Loading Rack-Diesel	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
480	E162	Loading Rack-Gasoline	Evaporative Sources-Gasoline Loading Rack or Arm	EGLE custom Emission Unit type	
490	E163	Loading Rack-Other Petroleum Products	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
770	E164	Loading-Rail	Bulk Material Handling Equipment-Transfer Point	EGLE custom Emission Unit type	
770	E165	Loading-Ship And Barge	Bulk Material Handling Equipment-Transfer Point	EGLE custom Emission Unit type	
770	E166	Loading-Trucks	Bulk Material Handling Equipment-Transfer Point	EGLE custom Emission Unit type	
690	E167	Low Vent High Concentration System / Ncg Gas	Process Equipment-Other process equipment	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
690	E168	Lumber Drying Kiln	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
790	E169	Material Handling	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
770	E170	Material Handling-Transfer Point	Bulk Material Handling Equipment-Transfer Point	EGLE custom Emission Unit type	
690	E171	Material Storage-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E172	Melting Furnace	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E173	Melting Furnace-Aluminum	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E174	Melting Furnace-Crucible	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E175	Melting Furnace-Electric Arc	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E176	Melting Furnace-Electric Induction	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E177	Melting Furnace-Electric Resistance	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E178	Melting Furnace-Other Nonferrous	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E179	Melting Furnace-Reverberatory	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E180	Mercury Switch Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E181	Metal Cutting	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E182	Metal Finishing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E183	Micronizing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E184	Milling-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
206	E185	Mineral Wool and Fiberglass-Air Gas Furnace	Mineral Wool and Fiberglass-Air Gas Furnace	EGLE custom Emission Unit type	
208	E186	Mineral Wool and Fiberglass-Cold top Furnace	Mineral Wool and Fiberglass-Cold top Furnace	EGLE custom Emission Unit type	
681	E187	Mineral Wool and Fiberglass-Cooling Process Equipment	Mineral Wool and Fiberglass-Cooling Process Equipment	EGLE custom Emission Unit type	
204	E188	Mineral Wool and Fiberglass-Electric Furnace	Mineral Wool and Fiberglass-Electric Furnace	EGLE custom Emission Unit type	
1200	E189	Mineral Wool and Fiberglass-Electric Steel Shell Furnace	Mineral Wool and Fiberglass-Electric Steel Shell Furnace	EGLE custom Emission Unit type	
713	E190	Mineral Wool and Fiberglass-Fiber Forming Equipment	Mineral Wool and Fiberglass-Fiber Forming Equipment	EGLE custom Emission Unit type	
207	E191	Mineral Wool and Fiberglass-Oxyfuel Furnace	Mineral Wool and Fiberglass-Oxyfuel Furnace	EGLE custom Emission Unit type	
209	E192	Mineral Wool and Fiberglass-Pot/Marble Melt Furnace	Mineral Wool and Fiberglass-Pot/Marble Melt Furnace	EGLE custom Emission Unit type	
203	E193	Mineral Wool and Fiberglass-Recuperative Furnace	Mineral Wool and Fiberglass-Recuperative Furnace	EGLE custom Emission Unit type	
202	E194	Mineral Wool and Fiberglass-Regenerative Furnace	Mineral Wool and Fiberglass-Regenerative Furnace	EGLE custom Emission Unit type	
1402	E195	Mineral Wool and Fiberglass-Storage bin	Mineral Wool and Fiberglass-Storage bin	EGLE custom Emission Unit type	
205	E196	Mineral Wool and Fiberglass-Unit Melter Furnace	Mineral Wool and Fiberglass-Unit Melter Furnace	EGLE custom Emission Unit type	
999	E197	Miscellaneous	Unclassified	EGLE custom Emission Unit type	
640	E198	Mixing-Blending	Process Equipment-Mixer or Blender	EGLE custom Emission Unit type	
690	E199	Molding Line	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E200	Molding Press	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E201	Molten Metal Transfer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E202	Natural Gas Sweetening	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E203	Nitriding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
403	E204	Nutritional Yeast unit type-Fermenter	Nutritional Yeast unit type-Fermenter	EGLE custom Emission Unit type	
406	E205	Nutritional Yeast unit type-Pure Culture Fermenter	Nutritional Yeast unit type-Pure Culture Fermenter	EGLE custom Emission Unit type	
1254	E206	Nutritional Yeast unit type-Rotary Yeast Dryer	Nutritional Yeast unit type-Rotary Yeast Dryer	EGLE custom Emission Unit type	
405	E207	Nutritional Yeast unit type-Stock Fermenter	Nutritional Yeast unit type-Stock Fermenter	EGLE custom Emission Unit type	
404	E208	Nutritional Yeast unit type-Trade Fermenter	Nutritional Yeast unit type-Trade Fermenter	EGLE custom Emission Unit type	
407	E209	Off-Site Waste and Recovery Operations (OSWRO)-Bottoms Receiver Vessel	Off-Site Waste and Recovery Operations (OSWRO)-Bottoms Receiver Vessel	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
409	E210	Off-Site Waste and Recovery Operations (OSWRO)- Distillate Receiver Vessel	Off-Site Waste and Recovery Operations (OSWRO)- Distillate Receiver Vessel	EGLE custom Emission Unit type	
383	E211	Off-Site Waste and Recovery Operations (OSWRO)- Fractionation Unit	Off-Site Waste and Recovery Operations (OSWRO)- Fractionation Unit	EGLE custom Emission Unit type	
623	E212	Off-Site Waste and Recovery Operations (OSWRO)- Gas Stripper	Off-Site Waste and Recovery Operations (OSWRO)- Gas Stripper	EGLE custom Emission Unit type	
418	E213	Off-Site Waste and Recovery Operations (OSWRO)- Hot Well	Off-Site Waste and Recovery Operations (OSWRO)- Hot Well	EGLE custom Emission Unit type	
392	E214	Off-Site Waste and Recovery Operations (OSWRO)- Individual Drain System	Off-Site Waste and Recovery Operations (OSWRO)- Individual Drain System	EGLE custom Emission Unit type	
408	E215	Off-Site Waste and Recovery Operations (OSWRO)- Liquid Waste Container	Off-Site Waste and Recovery Operations (OSWRO)- Liquid Waste Container	EGLE custom Emission Unit type	
703	E216	Off-Site Waste and Recovery Operations (OSWRO)- Non-TSDF Treatment, Storage, Disposal System	Off-Site Waste and Recovery Operations (OSWRO)- Non-TSDF Treatment, Storage, Disposal System	EGLE custom Emission Unit type	
373	E217	Off-Site Waste and Recovery Operations (OSWRO)- Oil-Water Separator	Off-Site Waste and Recovery Operations (OSWRO)- Oil-Water Separator	EGLE custom Emission Unit type	
374	E218	Off-Site Waste and Recovery Operations (OSWRO)- Organic-Water Separator	Off-Site Waste and Recovery Operations (OSWRO)- Organic-Water Separator	EGLE custom Emission Unit type	
705	E219	Off-Site Waste and Recovery Operations (OSWRO)- Pressure Relief Device, not a valve	Off-Site Waste and Recovery Operations (OSWRO)- Pressure Relief Device, not a valve	EGLE custom Emission Unit type	
706	E220	Off-Site Waste and Recovery Operations (OSWRO)- Pressure Relief Valve	Off-Site Waste and Recovery Operations (OSWRO)- Pressure Relief Valve	EGLE custom Emission Unit type	
375	E221	Off-Site Waste and Recovery Operations (OSWRO)- Primary Condenser	Off-Site Waste and Recovery Operations (OSWRO)- Primary Condenser	EGLE custom Emission Unit type	
376	E222	Off-Site Waste and Recovery Operations (OSWRO)- Process Vent	Off-Site Waste and Recovery Operations (OSWRO)- Process Vent	EGLE custom Emission Unit type	
212	E223	Off-Site Waste and Recovery Operations (OSWRO)- Rotary Kiln	Off-Site Waste and Recovery Operations (OSWRO)- Rotary Kiln	EGLE custom Emission Unit type	
378	E224	Off-Site Waste and Recovery Operations (OSWRO)- Separator, Other than oil-water or organic-water	Off-Site Waste and Recovery Operations (OSWRO)- Separator, Other than oil-water or organic-water	EGLE custom Emission Unit type	Could include API separators, parallel plate interceptor, corrugated plate separators, etc.
492	E225	Off-Site Waste and Recovery Operations (OSWRO)- Settling Pit	Off-Site Waste and Recovery Operations (OSWRO)- Settling Pit	EGLE custom Emission Unit type	
1701	E226	Off-Site Waste and Recovery Operations (OSWRO)- Solvent Extraction Unit	Off-Site Waste and Recovery Operations (OSWRO)- Solvent Extraction Unit	EGLE custom Emission Unit type	
622	E227	Off-Site Waste and Recovery Operations (OSWRO)- Steam Stripper	Off-Site Waste and Recovery Operations (OSWRO)- Steam Stripper	EGLE custom Emission Unit type	
494	E228	Off-Site Waste and Recovery Operations (OSWRO)- Surface Impoundment	Off-Site Waste and Recovery Operations (OSWRO)- Surface Impoundment	EGLE custom Emission Unit type	Could include Aeration Pit/Pond, Lagoons, Holding/Storage Ponds, etc.
1401	E229	Off-Site Waste and Recovery Operations (OSWRO)- Surge Control Tank	Off-Site Waste and Recovery Operations (OSWRO)- Surge Control Tank	EGLE custom Emission Unit type	
1702	E230	Off-Site Waste and Recovery Operations (OSWRO)- Thin Film Evaporator	Off-Site Waste and Recovery Operations (OSWRO)- Thin Film Evaporator	EGLE custom Emission Unit type	
1775	E231	Off-Site Waste and Recovery Operations (OSWRO)- Transfer System	Off-Site Waste and Recovery Operations (OSWRO)- Transfer System	EGLE custom Emission Unit type	
271	E232	Off-Site Waste and Recovery Operations (OSWRO)- Vapor Incinerator	Off-Site Waste and Recovery Operations (OSWRO)- Vapor Incinerator	EGLE custom Emission Unit type	
805	E233	Off-Site Waste and Recovery Operations (OSWRO)- Waste Stabilization Equipment	Off-Site Waste and Recovery Operations (OSWRO)- Waste Stabilization Equipment	EGLE custom Emission Unit type	Includes units for waste fixation and waste solidification processes.

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
801	E234	Off-Site Waste and Recovery Operations (OSWRO)-Wastewater Treatment Unit	Off-Site Waste and Recovery Operations (OSWRO)-Wastewater Treatment Unit	EGLE custom Emission Unit type	
690	E235	Oil & Natural Gas Processing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E236	Oil Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
280	E237	Open Flare	Fuel Comb. Equipment-Flare	EGLE custom Emission Unit type	
785	785	Open Storage Pile	Bulk Material Handling Equipment-Open Storage Pile		
410	410	Open Tank Or Vat	Evaporative Sources-Open Tank or Vat		
290	E238	Other fuel combustion	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
290	E239	Other Natural Gas Fired Equipment	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
690	E240	Oven-Baking	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E241	Oven-Drying	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E242	Oven-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
640	E243	Paint Mixing	Process Equipment-Mixer or Blender	EGLE custom Emission Unit type	
690	E244	Pellet Cooler	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E245	Pellet Mill	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E246	Pesticide Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E247	Petroleum Products-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E248	Pharmaceutical Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E249	Pickling	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E250	Plastic Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E251	Plating-Chrome	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E252	Plating-Copper	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E253	Plating-Hard Chrome	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E254	Plating-Misc Electroless	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E255	Plating-Miscellaneous	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E256	Plating-Nickel	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E257	Plating-Plastic Parts	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
698	E258	Plywood and Composite Wood Products-Agricultural Fiber Board Press	Plywood and Composite Wood Products-Agricultural Fiber Board Press	EGLE custom Emission Unit type	
700	E259	Plywood and Composite Wood Products-Atmospheric Refiner	Plywood and Composite Wood Products-Atmospheric Refiner	EGLE custom Emission Unit type	
1731	E260	Plywood and Composite Wood Products-Chipper/Flaker/Hammermill	Plywood and Composite Wood Products-Chipper/Flaker/Hammermill	EGLE custom Emission Unit type	
1251	E261	Plywood and Composite Wood Products-Conveyor Stand Dryer	Plywood and Composite Wood Products-Conveyor Stand Dryer	EGLE custom Emission Unit type	
262	E262	Plywood and Composite Wood Products-Dry Rotary Dryer	Plywood and Composite Wood Products-Dry Rotary Dryer	EGLE custom Emission Unit type	
697	E263	Plywood and Composite Wood Products-Engineered Wood Products Press	Plywood and Composite Wood Products-Engineered Wood Products Press	EGLE custom Emission Unit type	
699	E264	Plywood and Composite Wood Products-Fiber Washer	Plywood and Composite Wood Products-Fiber Washer	EGLE custom Emission Unit type	
265	E265	Plywood and Composite Wood Products-Fiberboard Mat Dryer	Plywood and Composite Wood Products-Fiberboard Mat Dryer	EGLE custom Emission Unit type	
792	E266	Plywood and Composite Wood Products-Former	Plywood and Composite Wood Products-Former	EGLE custom Emission Unit type	
261	E267	Plywood and Composite Wood Products-Green Rotary Dryer	Plywood and Composite Wood Products-Green Rotary Dryer	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
693	E268	Plywood and Composite Wood Products-Hardboard Humidifier	Plywood and Composite Wood Products-Hardboard Humidifier	EGLE custom Emission Unit type	
291	E269	Plywood and Composite Wood Products-Hardboard Oven	Plywood and Composite Wood Products-Hardboard Oven	EGLE custom Emission Unit type	
264	E270	Plywood and Composite Wood Products-Hardboard Press Predryer	Plywood and Composite Wood Products-Hardboard Press Predryer	EGLE custom Emission Unit type	
696	E271	Plywood and Composite Wood Products-Hardwood Plywood Press	Plywood and Composite Wood Products-Hardwood Plywood Press	EGLE custom Emission Unit type	
253	E272	Plywood and Composite Wood Products-Hardwood Veneer Dryer	Plywood and Composite Wood Products-Hardwood Veneer Dryer	EGLE custom Emission Unit type	
411	E273	Plywood and Composite Wood Products-Log Vat	Plywood and Composite Wood Products-Log Vat	EGLE custom Emission Unit type	
211	E274	Plywood and Composite Wood Products-Lumber Dry Kiln	Plywood and Composite Wood Products-Lumber Dry Kiln	EGLE custom Emission Unit type	
451	E275	Plywood and Composite Wood Products-Miscellaneous Coating Operation	Plywood and Composite Wood Products-Miscellaneous Coating Operation	EGLE custom Emission Unit type	Collection of coating units
1703	E276	Plywood and Composite Wood Products-Pressurized Refiner	Plywood and Composite Wood Products-Pressurized Refiner	EGLE custom Emission Unit type	
1252	E277	Plywood and Composite Wood Products-Primary Tube Dryer	Plywood and Composite Wood Products-Primary Tube Dryer	EGLE custom Emission Unit type	
692	E278	Plywood and Composite Wood Products-Reconstituted Wood Product Board Cooler	Plywood and Composite Wood Products-Reconstituted Wood Product Board Cooler	EGLE custom Emission Unit type	
691	E279	Plywood and Composite Wood Products-Reconstituted Wood Product Press	Plywood and Composite Wood Products-Reconstituted Wood Product Press	EGLE custom Emission Unit type	
263	E280	Plywood and Composite Wood Products-Rotary Agricultural Fiber Dryer	Plywood and Composite Wood Products-Rotary Agricultural Fiber Dryer	EGLE custom Emission Unit type	
254	E281	Plywood and Composite Wood Products-Rotary Strand Dryer	Plywood and Composite Wood Products-Rotary Strand Dryer	EGLE custom Emission Unit type	
793	E282	Plywood and Composite Wood Products-Sander	Plywood and Composite Wood Products-Sander	EGLE custom Emission Unit type	
794	E283	Plywood and Composite Wood Products-Saw	Plywood and Composite Wood Products-Saw	EGLE custom Emission Unit type	Includes log saws, panel saws, unpressed mat cutoff saws, etc.
1253	E284	Plywood and Composite Wood Products-Secondary Tube Dryer	Plywood and Composite Wood Products-Secondary Tube Dryer	EGLE custom Emission Unit type	
695	E285	Plywood and Composite Wood Products-Softwood Plywood Press	Plywood and Composite Wood Products-Softwood Plywood Press	EGLE custom Emission Unit type	
251	E286	Plywood and Composite Wood Products-Softwood Veneer Dryer	Plywood and Composite Wood Products-Softwood Veneer Dryer	EGLE custom Emission Unit type	
694	E287	Plywood and Composite Wood Products-Stand Alone Digester	Plywood and Composite Wood Products-Stand Alone Digester	EGLE custom Emission Unit type	
252	E288	Plywood and Composite Wood Products-Veneer Redryer	Plywood and Composite Wood Products-Veneer Redryer	EGLE custom Emission Unit type	
810	E289	Plywood and Composite Wood Products-Wastewater Handling Equipment	Plywood and Composite Wood Products-Wastewater Handling Equipment	EGLE custom Emission Unit type	
690	E290	Polymer Production	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E291	Polyurethane Foam	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
1734	E292	Portland Cement-Clinker Grinder	Portland Cement-Clinker Grinder	EGLE custom Emission Unit type	
214	E293	Portland Cement-Dry Kiln	Portland Cement-Dry Kiln	EGLE custom Emission Unit type	
721	E294	Portland Cement-Primary Crusher	Portland Cement-Primary Crusher	EGLE custom Emission Unit type	
1733	E295	Portland Cement-Raw Material Grinder	Portland Cement-Raw Material Grinder	EGLE custom Emission Unit type	
722	E296	Portland Cement-Secondary Crusher	Portland Cement-Secondary Crusher	EGLE custom Emission Unit type	
1776	E297	Portland Cement-Weigh Hopper	Portland Cement-Weigh Hopper	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
213	E298	Portland Cement-Wet Kiln	Portland Cement-Wet Kiln	EGLE custom Emission Unit type	
690	E299	Pouring / Casting / Cooling	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E300	Press	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E301	Pretreatment	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E302	Process Equipment-Other process equipment	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
610	E303	Process Equipment-Oxidation Unit	Process Equipment-Oxidation Unit	EGLE custom Emission Unit type	
180	E304	Process Heater-Foundry	Fuel Comb. Equipment-Process Heater	EGLE custom Emission Unit type	
180	E305	Process Heater-Miscellaneous	Fuel Comb. Equipment-Process Heater	EGLE custom Emission Unit type	
180	E306	Process Heater-Natural Gas	Fuel Comb. Equipment-Process Heater	EGLE custom Emission Unit type	
180	E307	Process Heater-Oil And Gas	Fuel Comb. Equipment-Process Heater	EGLE custom Emission Unit type	
417	E308	Publicly owned treatment works-Aerated Grit Chamber	Publicly owned treatment works-Aerated Grit Chamber	EGLE custom Emission Unit type	
412	E309	Publicly owned treatment works-Aeration Basin	Publicly owned treatment works-Aeration Basin	EGLE custom Emission Unit type	
371	E310	Publicly owned treatment works-Anaerobic Digester	Publicly owned treatment works-Anaerobic Digester	EGLE custom Emission Unit type	
372	E311	Publicly owned treatment works-Belt Filter Press	Publicly owned treatment works-Belt Filter Press	EGLE custom Emission Unit type	
414	E312	Publicly owned treatment works-Chlorine Contact Basin	Publicly owned treatment works-Chlorine Contact Basin	EGLE custom Emission Unit type	
1772	E313	Publicly owned treatment works-Collector Sewers	Publicly owned treatment works-Collector Sewers	EGLE custom Emission Unit type	
1732	E314	Publicly owned treatment works-Cumminutor/Grinder	Publicly owned treatment works-Cumminutor/Grinder	EGLE custom Emission Unit type	
370	E315	Publicly owned treatment works-DAF Sludge Thickener	Publicly owned treatment works-DAF Sludge Thickener	EGLE custom Emission Unit type	
420	E316	Publicly owned treatment works-Dechlorination Basin	Publicly owned treatment works-Dechlorination Basin	EGLE custom Emission Unit type	
362	E317	Publicly owned treatment works-Diffused Air Activated Sludge Thickener	Publicly owned treatment works-Diffused Air Activated Sludge Thickener	EGLE custom Emission Unit type	
702	E318	Publicly owned treatment works-Effluent Weir	Publicly owned treatment works-Effluent Weir	EGLE custom Emission Unit type	
413	E319	Publicly owned treatment works-Equalization Basin	Publicly owned treatment works-Equalization Basin	EGLE custom Emission Unit type	
369	E320	Publicly owned treatment works-Gravity Sludge Thickener	Publicly owned treatment works-Gravity Sludge Thickener	EGLE custom Emission Unit type	
1741	E321	Publicly owned treatment works-Headworks Screen	Publicly owned treatment works-Headworks Screen	EGLE custom Emission Unit type	
391	E322	Publicly owned treatment works-Manhole	Publicly owned treatment works-Manhole	EGLE custom Emission Unit type	
363	E323	Publicly owned treatment works-Mechanical Mix Air Activated Sludge	Publicly owned treatment works-Mechanical Mix Air Activated Sludge	EGLE custom Emission Unit type	
361	E324	Publicly owned treatment works-Primary Clarifier	Publicly owned treatment works-Primary Clarifier	EGLE custom Emission Unit type	
401	E325	Publicly owned treatment works-Primary Settling Tank	Publicly owned treatment works-Primary Settling Tank	EGLE custom Emission Unit type	
364	E326	Publicly owned treatment works-Pure Oxygen Activated Sludge	Publicly owned treatment works-Pure Oxygen Activated Sludge	EGLE custom Emission Unit type	UNOX
366	E327	Publicly owned treatment works-Secondary Clarifier	Publicly owned treatment works-Secondary Clarifier	EGLE custom Emission Unit type	
402	E328	Publicly owned treatment works-Secondary Settling Tank	Publicly owned treatment works-Secondary Settling Tank	EGLE custom Emission Unit type	
701	E329	Publicly owned treatment works-Sludge Centrifuge	Publicly owned treatment works-Sludge Centrifuge	EGLE custom Emission Unit type	
415	E330	Publicly owned treatment works-Sludge Drying Bed	Publicly owned treatment works-Sludge Drying Bed	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
416	E331	Publicly owned treatment works-Sludge Storage Lagoons/Drying Beds	Publicly owned treatment works-Sludge Storage Lagoons/Drying Beds	EGLE custom Emission Unit type	
367	E332	Publicly owned treatment works-Tertiary Filters	Publicly owned treatment works-Tertiary Filters	EGLE custom Emission Unit type	
365	E333	Publicly owned treatment works-Trickling Filter	Publicly owned treatment works-Trickling Filter	EGLE custom Emission Unit type	
1771	E334	Publicly owned treatment works-Waste Water Junction Box	Publicly owned treatment works-Waste Water Junction Box	EGLE custom Emission Unit type	
1773	E335	Publicly owned treatment works-Waste Water Lift Station	Publicly owned treatment works-Waste Water Lift Station	EGLE custom Emission Unit type	
379	E336	Pulp and Paper-Batch Digester	Pulp and Paper-Batch Digester	EGLE custom Emission Unit type	
611	E337	Pulp and Paper-Black Liquor Oxidation System	Pulp and Paper-Black Liquor Oxidation System	EGLE custom Emission Unit type	
1404	E338	Pulp and Paper-Black Liquor Storage	Pulp and Paper-Black Liquor Storage	EGLE custom Emission Unit type	
1406	E339	Pulp and Paper-Bleach Storage	Pulp and Paper-Bleach Storage	EGLE custom Emission Unit type	
717	E340	Pulp and Paper-Bleaching and Extraction Tower	Pulp and Paper-Bleaching and Extraction Tower	EGLE custom Emission Unit type	
641	E341	Pulp and Paper-Blend Chest	Pulp and Paper-Blend Chest	EGLE custom Emission Unit type	
1699	E342	Pulp and Paper-Brown Stock Refiner	Pulp and Paper-Brown Stock Refiner	EGLE custom Emission Unit type	
293	E343	Pulp and Paper-Chemical Recovery Combustion Unit	Pulp and Paper-Chemical Recovery Combustion Unit	EGLE custom Emission Unit type	
761	E344	Pulp and Paper-Chip Conveyer	Pulp and Paper-Chip Conveyer	EGLE custom Emission Unit type	
786	E345	Pulp and Paper-Chip Pile	Pulp and Paper-Chip Pile	EGLE custom Emission Unit type	
1742	E346	Pulp and Paper-Chip Screen	Pulp and Paper-Chip Screen	EGLE custom Emission Unit type	
715	E347	Pulp and Paper-CIO2 Generator	Pulp and Paper-CIO2 Generator	EGLE custom Emission Unit type	
762	E348	Pulp and Paper-Coal Conveyer	Pulp and Paper-Coal Conveyer	EGLE custom Emission Unit type	
621	E349	Pulp and Paper-Condensate Stripper	Pulp and Paper-Condensate Stripper	EGLE custom Emission Unit type	
1695	E350	Pulp and Paper-Conical Refiner	Pulp and Paper-Conical Refiner	EGLE custom Emission Unit type	
380	E351	Pulp and Paper-Continuous Digester	Pulp and Paper-Continuous Digester	EGLE custom Emission Unit type	
796	E352	Pulp and Paper-Debarking Drum	Pulp and Paper-Debarking Drum	EGLE custom Emission Unit type	
798	E353	Pulp and Paper-Decker	Pulp and Paper-Decker	EGLE custom Emission Unit type	
1691	E354	Pulp and Paper-Dregs Washer	Pulp and Paper-Dregs Washer	EGLE custom Emission Unit type	
718	E355	Pulp and Paper-Evaporator	Pulp and Paper-Evaporator	EGLE custom Emission Unit type	
419	E356	Pulp and Paper-Flotation Cell	Pulp and Paper-Flotation Cell	EGLE custom Emission Unit type	Flotation deinking process
382	E357	Pulp and Paper-Green Liquor Clarifier	Pulp and Paper-Green Liquor Clarifier	EGLE custom Emission Unit type	
2251	E358	Pulp and Paper-Hogged Fuel Dryer	Pulp and Paper-Hogged Fuel Dryer	EGLE custom Emission Unit type	
797	E359	Pulp and Paper-Knotter	Pulp and Paper-Knotter	EGLE custom Emission Unit type	
215	E360	Pulp and Paper-Lime Kiln	Pulp and Paper-Lime Kiln	EGLE custom Emission Unit type	
1692	E361	Pulp and Paper-Lime Mud Washer	Pulp and Paper-Lime Mud Washer	EGLE custom Emission Unit type	
1696	E362	Pulp and Paper-Machine Chest	Pulp and Paper-Machine Chest	EGLE custom Emission Unit type	
1698	E363	Pulp and Paper-Mechanical Pulping Refiner (RMP)	Pulp and Paper-Mechanical Pulping Refiner (RMP)	EGLE custom Emission Unit type	
1407	E364	Pulp and Paper-Methanol Storage	Pulp and Paper-Methanol Storage	EGLE custom Emission Unit type	
714	E365	Pulp and Paper-O2 Delignification	Pulp and Paper-O2 Delignification	EGLE custom Emission Unit type	
716	E366	Pulp and Paper-Ozone Reactor	Pulp and Paper-Ozone Reactor	EGLE custom Emission Unit type	
1694	E367	Pulp and Paper-Paper Machine	Pulp and Paper-Paper Machine	EGLE custom Emission Unit type	
1743	E368	Pulp and Paper-Pulp Screen	Pulp and Paper-Pulp Screen	EGLE custom Emission Unit type	
1403	E369	Pulp and Paper-Pulp Storage	Pulp and Paper-Pulp Storage	EGLE custom Emission Unit type	
1201	E370	Pulp and Paper-Recovery Furnace - Direct Contact Evaporator	Pulp and Paper-Recovery Furnace - Direct Contact Evaporator	EGLE custom Emission Unit type	
1202	E371	Pulp and Paper-Recovery Furnace - Nondirect Contact Evaporator	Pulp and Paper-Recovery Furnace - Nondirect Contact Evaporator	EGLE custom Emission Unit type	
1697	E372	Pulp and Paper-Repulper	Pulp and Paper-Repulper	EGLE custom Emission Unit type	
1690	E373	Pulp and Paper-Salt Cake Tank	Pulp and Paper-Salt Cake Tank	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
1693	E374	Pulp and Paper-Slaker	Pulp and Paper-Slaker	EGLE custom Emission Unit type	
719	E375	Pulp and Paper-Smelt Dissolving Tank	Pulp and Paper-Smelt Dissolving Tank	EGLE custom Emission Unit type	
1744	E376	Pulp and Paper-Stock Screen	Pulp and Paper-Stock Screen	EGLE custom Emission Unit type	
381	E377	Pulp and Paper-White Liquor Clarifier	Pulp and Paper-White Liquor Clarifier	EGLE custom Emission Unit type	
1405	E378	Pulp and Paper-White Liquor Storage	Pulp and Paper-White Liquor Storage	EGLE custom Emission Unit type	
1700	E379	Pulp and Paper-White Stock Refiner	Pulp and Paper-White Stock Refiner	EGLE custom Emission Unit type	
690	E380	Purge & Clean	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
300	E381	Quarry	Fugitive Areas-Open Air Fugitive Source	EGLE custom Emission Unit type	Landfills, Runways, Feedlots, Settling Ponds, WWTreatment units, Equipment Leaks, Haul Roads etc.
690	E382	Quenching	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
600	E383	Reactor	Process Equipment-Chemical Reactor	EGLE custom Emission Unit type	
290	E384	Regenerative Thermal Oxidizer	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
690	E385	Rendering	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E386	Resin Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E387	Roaster	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E388	Rolling Mill	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E389	Rotary Dryer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E390	Rubber Curing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E391	Rubber Manufacturing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
790	E392	Sand Reclaim	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
690	E393	Sanding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
490	E394	Sanitizing (Evaporative Source)	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
690	E395	Scarfing	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
790	E396	Scrap Handling And Processing	Bulk Material Handling Equipment-Other bulk material equipment	EGLE custom Emission Unit type	
690	E397	Scrap Shredder	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
740	E398	Screening	Bulk Material Handling Equipment-Screen	EGLE custom Emission Unit type	
690	E399	Scrubber	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E400	Separator	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E401	Shakeout	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E402	Sludge Dryer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E403	Sludge Thickener	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E404	Soldering	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E405	Solution Mining	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E406	Solvent Recovery	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E407	Solvent Usage	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
290	E408	Space Heaters-Natural Gas	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
690	E409	Spray Dryer	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
1402	1402	Storage Bin	Process Equipment-Other process equipment		
785	E410	Storage Pile	Bulk Material Handling Equipment-Open Storage Pile	EGLE custom Emission Unit type	
780	E411	Storage Silo	Bulk Material Handling Equipment-Silo	EGLE custom Emission Unit type	
780	E412	Storage Silo-Grain	Bulk Material Handling Equipment-Silo	EGLE custom Emission Unit type	
400	E413	Storage Tank-Acid	Evaporative Sources-Storage Tank	EGLE custom Emission Unit type	
400	E414	Storage Tank-Ammonia	Evaporative Sources-Storage Tank	EGLE custom Emission Unit type	
400	E415	Storage Tank-Asphalt	Evaporative Sources-Storage Tank	EGLE custom Emission Unit type	

Emission Unit Type

EPA Unit Code	Mapping Unit Code	Emission Unit Type Name	EPA Unit Type Group	EPA NOTE	Comment
400	E416	Storage Tank-Base	Evaporative Sources-Storage Tank	EGLE custom Emission Unit type	
400	E417	Storage Tank-Other	Evaporative Sources-Storage Tank	EGLE custom Emission Unit type	
400	E418	Storage Tank-Petroleum Products	Evaporative Sources-Storage Tank	EGLE custom Emission Unit type	
690	E419	Surface Treatment	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E420	Sweat Furnace	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E421	Tempering	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
290	E422	Thermal Oxidizer	Fuel Comb. Equipment-Other combustion	EGLE custom Emission Unit type	includes space heaters, asphalt kettle heaters, etc.
140	E423	Turbine-Combined Cycle	Fuel Comb. Equipment-Combined Cycle (Boiler/Gas Turbine)	EGLE custom Emission Unit type	
120	E424	Turbine-Landfill Gas	Fuel Comb. Equipment-Turbine	EGLE custom Emission Unit type	
120	E425	Turbine-Simple Cycle	Fuel Comb. Equipment-Turbine	EGLE custom Emission Unit type	
770	E426	Unloading	Bulk Material Handling Equipment-Transfer Point	EGLE custom Emission Unit type	
490	E427	Vehicle Fluid Fill	Evaporative Sources-Other evaporative sources	EGLE custom Emission Unit type	
690	E428	Waste Water Treatment	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E429	Welding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E430	Wood Chipping Splitting And Shredding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E431	Wood Sawing And Grinding	Process Equipment-Other process equipment	EGLE custom Emission Unit type	
690	E432	Wood Working-Other	Process Equipment-Other process equipment	EGLE custom Emission Unit type	

NAICS Codes

NAICS Code	NAICS Description
111110	Soybean Farming
111120	Oilseed (except Soybean) Farming
111130	Dry Pea and Bean Farming
111140	Wheat Farming
111150	Corn Farming
111160	Rice Farming
111191	Oilseed and Grain Combination Farming
111199	All Other Grain Farming
111211	Potato Farming
111219	Other Vegetable (except Potato) and Melon Farming
111310	Orange Groves
111320	Citrus (except Orange) Groves
111331	Apple Orchards
111332	Grape Vineyards
111333	Strawberry Farming
111334	Berry (except Strawberry) Farming
111335	Tree Nut Farming
111336	Fruit and Tree Nut Combination Farming
111339	Other Noncitrus Fruit Farming
111411	Mushroom Production
111419	Other Food Crops Grown Under Cover
111421	Nursery and Tree Production
111422	Floriculture Production
111910	Tobacco Farming
111920	Cotton Farming
111930	Sugarcane Farming
111940	Hay Farming
111991	Sugar Beet Farming
111992	Peanut Farming
111998	All Other Miscellaneous Crop Farming
112111	Beef Cattle Ranching and Farming
112112	Cattle Feedlots
112120	Dairy Cattle and Milk Production
112130	Dual-Purpose Cattle Ranching and Farming
112210	Hog and Pig Farming
112310	Chicken Egg Production
112320	Broilers and Other Meat Type Chicken Production
112330	Turkey Production
112340	Poultry Hatcheries
112390	Other Poultry Production
112410	Sheep Farming
112420	Goat Farming

NAICS Codes

NAICS Code	NAICS Description
112511	Finfish Farming and Fish Hatcheries
112512	Shellfish Farming
112519	Other Aquaculture
112910	Apiculture
112920	Horses and Other Equine Production
112930	Fur-Bearing Animal and Rabbit Production
112990	All Other Animal Production
113110	Timber Tract Operations
113210	Forest Nurseries and Gathering of Forest Products
113310	Logging
114111	Finfish Fishing
114112	Shellfish Fishing
114119	Other Marine Fishing
114210	Hunting and Trapping
115111	Cotton Ginning
115112	Soil Preparation, Planting, and Cultivating
115113	Crop Harvesting, Primarily by Machine
115114	Postharvest Crop Activities (except Cotton Ginning)
115115	Farm Labor Contractors and Crew Leaders
115116	Farm Management Services
115210	Support Activities for Animal Production
115310	Support Activities for Forestry
211120	Crude Petroleum Extraction
211130	Natural Gas Extraction
212111	Bituminous Coal and Lignite Surface Mining
212112	Bituminous Coal Underground Mining
212113	Anthracite Mining
212210	Iron Ore Mining
212221	Gold Ore Mining
212222	Silver Ore Mining
212230	Copper, Nickel, Lead, and Zinc Mining
212291	Uranium-Radium-Vanadium Ore Mining
212299	All Other Metal Ore Mining
212311	Dimension Stone Mining and Quarrying
212312	Crushed and Broken Limestone Mining and Quarrying
212313	Crushed and Broken Granite Mining and Quarrying
212319	Other Crushed and Broken Stone Mining and Quarrying
212321	Construction Sand and Gravel Mining
212322	Industrial Sand Mining
212324	Kaolin and Ball Clay Mining
212325	Clay and Ceramic and Refractory Minerals Mining
212391	Potash, Soda, and Borate Mineral Mining

NAICS Codes

NAICS Code	NAICS Description
212392	Phosphate Rock Mining
212393	Other Chemical and Fertilizer Mineral Mining
212399	All Other Nonmetallic Mineral Mining
213111	Drilling Oil and Gas Wells
213112	Support Activities for Oil and Gas Operations
213113	Support Activities for Coal Mining
213114	Support Activities for Metal Mining
213115	Support Activities for Nonmetallic Minerals (except Fuels) Mining
221111	Hydroelectric Power Generation
221112	Fossil Fuel Electric Power Generation
221113	Nuclear Electric Power Generation
221114	Solar Electric Power Generation
221115	Wind Electric Power Generation
221116	Geothermal Electric Power Generation
221117	Biomass Electric Power Generation
221118	Other Electric Power Generation
221121	Electric Bulk Power Transmission and Control
221122	Electric Power Distribution
221210	Natural Gas Distribution
221310	Water Supply and Irrigation Systems
221320	Sewage Treatment Facilities
221330	Steam and Air-Conditioning Supply
236115	New Single-Family Housing Construction (except For-Sale Builders)
236116	New Multifamily Housing Construction (except For-Sale Builders)
236117	New Housing For-Sale Builders
236118	Residential Remodelers
236210	Industrial Building Construction
236220	Commercial and Institutional Building Construction
237110	Water and Sewer Line and Related Structures Construction
237120	Oil and Gas Pipeline and Related Structures Construction
237130	Power and Communication Line and Related Structures Construction
237210	Land Subdivision
237310	Highway, Street, and Bridge Construction
237990	Other Heavy and Civil Engineering Construction
238110	Poured Concrete Foundation and Structure Contractors
238120	Structural Steel and Precast Concrete Contractors
238130	Framing Contractors
238140	Masonry Contractors
238150	Glass and Glazing Contractors
238160	Roofing Contractors
238170	Siding Contractors
238190	Other Foundation, Structure, and Building Exterior Contractors

NAICS Codes

NAICS Code	NAICS Description
238210	Electrical Contractors and Other Wiring Installation Contractors
238220	Plumbing, Heating, and Air-Conditioning Contractors
238290	Other Building Equipment Contractors
238310	Drywall and Insulation Contractors
238320	Painting and Wall Covering Contractors
238330	Flooring Contractors
238340	Tile and Terrazzo Contractors
238350	Finish Carpentry Contractors
238390	Other Building Finishing Contractors
238910	Site Preparation Contractors
238990	All Other Specialty Trade Contractors
311111	Dog and Cat Food Manufacturing
311119	Other Animal Food Manufacturing
311211	Flour Milling
311212	Rice Milling
311213	Malt Manufacturing
311221	Wet Corn Milling
311224	Soybean and Other Oilseed Processing
311225	Fats and Oils Refining and Blending
311230	Breakfast Cereal Manufacturing
311313	Beet Sugar Manufacturing
311314	Cane Sugar Manufacturing
311340	Nonchocolate Confectionery Manufacturing
311351	Chocolate and Confectionery Manufacturing from Cacao Beans
311352	Confectionery Manufacturing from Purchased Chocolate
311411	Frozen Fruit, Juice, and Vegetable Manufacturing
311412	Frozen Specialty Food Manufacturing
311421	Fruit and Vegetable Canning
311422	Specialty Canning
311423	Dried and Dehydrated Food Manufacturing
311511	Fluid Milk Manufacturing
311512	Creamery Butter Manufacturing
311513	Cheese Manufacturing
311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing
311520	Ice Cream and Frozen Dessert Manufacturing
311611	Animal (except Poultry) Slaughtering
311612	Meat Processed from Carcasses
311613	Rendering and Meat Byproduct Processing
311615	Poultry Processing
311710	Seafood Product Preparation and Packaging
311811	Retail Bakeries
311812	Commercial Bakeries

NAICS Codes

NAICS Code	NAICS Description
311813	Frozen Cakes, Pies, and Other Pastries Manufacturing
311821	Cookie and Cracker Manufacturing
311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour
311830	Tortilla Manufacturing
311911	Roasted Nuts and Peanut Butter Manufacturing
311919	Other Snack Food Manufacturing
311920	Coffee and Tea Manufacturing
311930	Flavoring Syrup and Concentrate Manufacturing
311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing
311942	Spice and Extract Manufacturing
311991	Perishable Prepared Food Manufacturing
311999	All Other Miscellaneous Food Manufacturing
312111	Soft Drink Manufacturing
312112	Bottled Water Manufacturing
312113	Ice Manufacturing
312120	Breweries
312130	Wineries
312140	Distilleries
312230	Tobacco Manufacturing
313110	Fiber, Yarn, and Thread Mills
313210	Broadwoven Fabric Mills
313220	Narrow Fabric Mills and Schiffli Machine Embroidery
313230	Nonwoven Fabric Mills
313240	Knit Fabric Mills
313310	Textile and Fabric Finishing Mills
313320	Fabric Coating Mills
314110	Carpet and Rug Mills
314120	Curtain and Linen Mills
314910	Textile Bag and Canvas Mills
314994	Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills
314999	All Other Miscellaneous Textile Product Mills
315110	Hosiery and Sock Mills
315190	Other Apparel Knitting Mills
315210	Cut and Sew Apparel Contractors
315220	Men's and Boys' Cut and Sew Apparel Manufacturing
315240	Women's, Girls', and Infants' Cut and Sew Apparel Manufacturing
315280	Other Cut and Sew Apparel Manufacturing
315990	Apparel Accessories and Other Apparel Manufacturing
316110	Leather and Hide Tanning and Finishing
316210	Footwear Manufacturing
316992	Women's Handbag and Purse Manufacturing
316998	All Other Leather Good and Allied Product Manufacturing

NAICS Codes

NAICS Code	NAICS Description
321113	Sawmills
321114	Wood Preservation
321211	Hardwood Veneer and Plywood Manufacturing
321212	Softwood Veneer and Plywood Manufacturing
321213	Engineered Wood Member (except Truss) Manufacturing
321214	Truss Manufacturing
321219	Reconstituted Wood Product Manufacturing
321911	Wood Window and Door Manufacturing
321912	Cut Stock, Resawing Lumber, and Planing
321918	Other Millwork (including Flooring)
321920	Wood Container and Pallet Manufacturing
321991	Manufactured Home (Mobile Home) Manufacturing
321992	Prefabricated Wood Building Manufacturing
321999	All Other Miscellaneous Wood Product Manufacturing
322110	Pulp Mills
322121	Paper (except Newsprint) Mills
322122	Newsprint Mills
322130	Paperboard Mills
322211	Corrugated and Solid Fiber Box Manufacturing
322212	Folding Paperboard Box Manufacturing
322219	Other Paperboard Container Manufacturing
322220	Paper Bag and Coated and Treated Paper Manufacturing
322230	Stationery Product Manufacturing
322291	Sanitary Paper Product Manufacturing
322299	All Other Converted Paper Product Manufacturing
323111	Commercial Printing (except Screen and Books)
323113	Commercial Screen Printing
323117	Books Printing
323120	Support Activities for Printing
324110	Petroleum Refineries
324121	Asphalt Paving Mixture and Block Manufacturing
324122	Asphalt Shingle and Coating Materials Manufacturing
324191	Petroleum Lubricating Oil and Grease Manufacturing
324199	All Other Petroleum and Coal Products Manufacturing
325110	Petrochemical Manufacturing
325120	Industrial Gas Manufacturing
325130	Synthetic Dye and Pigment Manufacturing
325180	Other Basic Inorganic Chemical Manufacturing
325193	Ethyl Alcohol Manufacturing
325194	Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
325199	All Other Basic Organic Chemical Manufacturing
325211	Plastics Material and Resin Manufacturing

NAICS Codes

NAICS Code	NAICS Description
325212	Synthetic Rubber Manufacturing
325220	Artificial and Synthetic Fibers and Filaments Manufacturing
325311	Nitrogenous Fertilizer Manufacturing
325312	Phosphatic Fertilizer Manufacturing
325314	Fertilizer (Mixing Only) Manufacturing
325320	Pesticide and Other Agricultural Chemical Manufacturing
325411	Medicinal and Botanical Manufacturing
325412	Pharmaceutical Preparation Manufacturing
325413	In-Vitro Diagnostic Substance Manufacturing
325414	Biological Product (except Diagnostic) Manufacturing
325510	Paint and Coating Manufacturing
325520	Adhesive Manufacturing
325611	Soap and Other Detergent Manufacturing
325612	Polish and Other Sanitation Good Manufacturing
325613	Surface Active Agent Manufacturing
325620	Toilet Preparation Manufacturing
325910	Printing Ink Manufacturing
325920	Explosives Manufacturing
325991	Custom Compounding of Purchased Resins
325992	Photographic Film, Paper, Plate, and Chemical Manufacturing
325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing
326111	Plastics Bag and Pouch Manufacturing
326112	Plastics Packaging Film and Sheet (including Laminated) Manufacturing
326113	Unlaminated Plastics Film and Sheet (except Packaging) Manufacturing
326121	Unlaminated Plastics Profile Shape Manufacturing
326122	Plastics Pipe and Pipe Fitting Manufacturing
326130	Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing
326140	Polystyrene Foam Product Manufacturing
326150	Urethane and Other Foam Product (except Polystyrene) Manufacturing
326160	Plastics Bottle Manufacturing
326191	Plastics Plumbing Fixture Manufacturing
326199	All Other Plastics Product Manufacturing
326211	Tire Manufacturing (except Retreading)
326212	Tire Retreading
326220	Rubber and Plastics Hoses and Belting Manufacturing
326291	Rubber Product Manufacturing for Mechanical Use
326299	All Other Rubber Product Manufacturing
327110	Pottery, Ceramics, and Plumbing Fixture Manufacturing
327120	Clay Building Material and Refractories Manufacturing
327211	Flat Glass Manufacturing
327212	Other Pressed and Blown Glass and Glassware Manufacturing
327213	Glass Container Manufacturing

NAICS Codes

NAICS Code	NAICS Description
327215	Glass Product Manufacturing Made of Purchased Glass
327310	Cement Manufacturing
327320	Ready-Mix Concrete Manufacturing
327331	Concrete Block and Brick Manufacturing
327332	Concrete Pipe Manufacturing
327390	Other Concrete Product Manufacturing
327410	Lime Manufacturing
327420	Gypsum Product Manufacturing
327910	Abrasive Product Manufacturing
327991	Cut Stone and Stone Product Manufacturing
327992	Ground or Treated Mineral and Earth Manufacturing
327993	Mineral Wool Manufacturing
327999	All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
331110	Iron and Steel Mills and Ferroalloy Manufacturing
331210	Iron and Steel Pipe and Tube Manufacturing from Purchased Steel
331221	Rolled Steel Shape Manufacturing
331222	Steel Wire Drawing
331313	Alumina Refining and Primary Aluminum Production
331314	Secondary Smelting and Alloying of Aluminum
331315	Aluminum Sheet, Plate, and Foil Manufacturing
331318	Other Aluminum Rolling, Drawing, and Extruding
331410	Nonferrous Metal (except Aluminum) Smelting and Refining
331420	Copper Rolling, Drawing, Extruding, and Alloying
331491	Nonferrous Metal (except Copper and Aluminum) Rolling, Drawing, and Extruding
331492	Secondary Smelting, Refining, and Alloying of Nonferrous Metal (except Copper and Aluminum)
331511	Iron Foundries
331512	Steel Investment Foundries
331513	Steel Foundries (except Investment)
331523	Nonferrous Metal Die-Casting Foundries
331524	Aluminum Foundries (except Die-Casting)
331529	Other Nonferrous Metal Foundries (except Die-Casting)
332111	Iron and Steel Forging
332112	Nonferrous Forging
332114	Custom Roll Forming
332117	Powder Metallurgy Part Manufacturing
332119	Metal Crown, Closure, and Other Metal Stamping (except Automotive),
332215	Metal Kitchen Cookware, Utensil, Cutlery, and Flatware (except Precious) Manufacturing
332216	Saw Blade and Handtool Manufacturing
332311	Prefabricated Metal Building and Component Manufacturing
332312	Fabricated Structural Metal Manufacturing
332313	Plate Work Manufacturing
332321	Metal Window and Door Manufacturing

NAICS Codes

NAICS Code	NAICS Description
332322	Sheet Metal Work Manufacturing
332323	Ornamental and Architectural Metal Work Manufacturing
332410	Power Boiler and Heat Exchanger Manufacturing
332420	Metal Tank (Heavy Gauge) Manufacturing
332431	Metal Can Manufacturing
332439	Other Metal Container Manufacturing
332510	Hardware Manufacturing
332613	Spring Manufacturing
332618	Other Fabricated Wire Product Manufacturing
332710	Machine Shops
332721	Precision Turned Product Manufacturing
332722	Bolt, Nut, Screw, Rivet, and Washer Manufacturing
332811	Metal Heat Treating
332812	Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring
332911	Industrial Valve Manufacturing
332912	Fluid Power Valve and Hose Fitting Manufacturing
332913	Plumbing Fixture Fitting and Trim Manufacturing
332919	Other Metal Valve and Pipe Fitting Manufacturing
332991	Ball and Roller Bearing Manufacturing
332992	Small Arms Ammunition Manufacturing
332993	Ammunition (except Small Arms) Manufacturing
332994	Small Arms, Ordnance, and Ordnance Accessories Manufacturing
332996	Fabricated Pipe and Pipe Fitting Manufacturing
332999	All Other Miscellaneous Fabricated Metal Product Manufacturing
333111	Farm Machinery and Equipment Manufacturing
333112	Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing
333120	Construction Machinery Manufacturing
333131	Mining Machinery and Equipment Manufacturing
333132	Oil and Gas Field Machinery and Equipment Manufacturing
333241	Food Product Machinery Manufacturing
333242	Semiconductor Machinery Manufacturing
333243	Sawmill, Woodworking, and Paper Machinery Manufacturing
333244	Printing Machinery and Equipment Manufacturing
333249	Other Industrial Machinery Manufacturing
333314	Optical Instrument and Lens Manufacturing
333316	Photographic and Photocopying Equipment Manufacturing
333318	Other Commercial and Service Industry Machinery Manufacturing
333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
333414	Heating Equipment (except Warm Air Furnaces) Manufacturing
333415	Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing
333511	Industrial Mold Manufacturing

NAICS Codes

NAICS Code	NAICS Description
333514	Special Die and Tool, Die Set, Jig, and Fixture Manufacturing
333515	Cutting Tool and Machine Tool Accessory Manufacturing
333517	Machine Tool Manufacturing
333519	Rolling Mill and Other Metalworking Machinery Manufacturing
333611	Turbine and Turbine Generator Set Units Manufacturing
333612	Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing
333613	Mechanical Power Transmission Equipment Manufacturing
333618	Other Engine Equipment Manufacturing
333912	Air and Gas Compressor Manufacturing
333914	Measuring, Dispensing, and Other Pumping Equipment Manufacturing
333921	Elevator and Moving Stairway Manufacturing
333922	Conveyor and Conveying Equipment Manufacturing
333923	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing
333924	Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing
333991	Power-Driven Handtool Manufacturing
333992	Welding and Soldering Equipment Manufacturing
333993	Packaging Machinery Manufacturing
333994	Industrial Process Furnace and Oven Manufacturing
333995	Fluid Power Cylinder and Actuator Manufacturing
333996	Fluid Power Pump and Motor Manufacturing
333997	Scale and Balance Manufacturing
333999	All Other Miscellaneous General Purpose Machinery Manufacturing
334111	Electronic Computer Manufacturing
334112	Computer Storage Device Manufacturing
334118	Computer Terminal and Other Computer Peripheral Equipment Manufacturing
334210	Telephone Apparatus Manufacturing
334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
334290	Other Communications Equipment Manufacturing
334310	Audio and Video Equipment Manufacturing
334412	Bare Printed Circuit Board Manufacturing
334413	Semiconductor and Related Device Manufacturing
334416	Capacitor, Resistor, Coil, Transformer, and Other Inductor Manufacturing
334417	Electronic Connector Manufacturing
334418	Printed Circuit Assembly (Electronic Assembly) Manufacturing
334419	Other Electronic Component Manufacturing
334510	Electromedical and Electrotherapeutic Apparatus Manufacturing
334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing
334512	Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
334514	Totalizing Fluid Meter and Counting Device Manufacturing
334515	Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals
334516	Analytical Laboratory Instrument Manufacturing

NAICS Codes

NAICS Code	NAICS Description
334517	Irradiation Apparatus Manufacturing
334519	Other Measuring and Controlling Device Manufacturing
334613	Blank Magnetic and Optical Recording Media Manufacturing
334614	Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing
335110	Electric Lamp Bulb and Part Manufacturing
335121	Residential Electric Lighting Fixture Manufacturing
335122	Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing
335129	Other Lighting Equipment Manufacturing
335210	Small Electrical Appliance Manufacturing
335220	Major Household Appliance Manufacturing
335311	Power, Distribution, and Specialty Transformer Manufacturing
335312	Motor and Generator Manufacturing
335313	Switchgear and Switchboard Apparatus Manufacturing
335314	Relay and Industrial Control Manufacturing
335911	Storage Battery Manufacturing
335912	Primary Battery Manufacturing
335921	Fiber Optic Cable Manufacturing
335929	Other Communication and Energy Wire Manufacturing
335931	Current-Carrying Wiring Device Manufacturing
335932	Noncurrent-Carrying Wiring Device Manufacturing
335991	Carbon and Graphite Product Manufacturing
335999	All Other Miscellaneous Electrical Equipment and Component Manufacturing
336111	Automobile Manufacturing
336112	Light Truck and Utility Vehicle Manufacturing
336120	Heavy Duty Truck Manufacturing
336211	Motor Vehicle Body Manufacturing
336212	Truck Trailer Manufacturing
336213	Motor Home Manufacturing
336214	Travel Trailer and Camper Manufacturing
336310	Motor Vehicle Gasoline Engine and Engine Parts Manufacturing
336320	Motor Vehicle Electrical and Electronic Equipment Manufacturing
336330	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing
336340	Motor Vehicle Brake System Manufacturing
336350	Motor Vehicle Transmission and Power Train Parts Manufacturing
336360	Motor Vehicle Seating and Interior Trim Manufacturing
336370	Motor Vehicle Metal Stamping
336390	Other Motor Vehicle Parts Manufacturing
336411	Aircraft Manufacturing
336412	Aircraft Engine and Engine Parts Manufacturing
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing
336414	Guided Missile and Space Vehicle Manufacturing
336415	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing

NAICS Codes

NAICS Code	NAICS Description
336419	Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing
336510	Railroad Rolling Stock Manufacturing
336611	Ship Building and Repairing
336612	Boat Building
336991	Motorcycle, Bicycle, and Parts Manufacturing
336992	Military Armored Vehicle, Tank, and Tank Component Manufacturing
336999	All Other Transportation Equipment Manufacturing
337110	Wood Kitchen Cabinet and Countertop Manufacturing
337121	Upholstered Household Furniture Manufacturing
337122	Nonupholstered Wood Household Furniture Manufacturing
337124	Metal Household Furniture Manufacturing
337125	Household Furniture (except Wood and Metal) Manufacturing
337127	Institutional Furniture Manufacturing
337211	Wood Office Furniture Manufacturing
337212	Custom Architectural Woodwork and Millwork Manufacturing
337214	Office Furniture (except Wood) Manufacturing
337215	Showcase, Partition, Shelving, and Locker Manufacturing
337910	Mattress Manufacturing
337920	Blind and Shade Manufacturing
339112	Surgical and Medical Instrument Manufacturing
339113	Surgical Appliance and Supplies Manufacturing
339114	Dental Equipment and Supplies Manufacturing
339115	Ophthalmic Goods Manufacturing
339116	Dental Laboratories
339910	Jewelry and Silverware Manufacturing
339920	Sporting and Athletic Goods Manufacturing
339930	Doll, Toy, and Game Manufacturing
339940	Office Supplies (except Paper) Manufacturing
339950	Sign Manufacturing
339991	Gasket, Packing, and Sealing Device Manufacturing
339992	Musical Instrument Manufacturing
339993	Fastener, Button, Needle, and Pin Manufacturing
339994	Broom, Brush, and Mop Manufacturing
339995	Burial Casket Manufacturing
339999	All Other Miscellaneous Manufacturing
423110	Automobile and Other Motor Vehicle Merchant Wholesalers
423120	Motor Vehicle Supplies and New Parts Merchant Wholesalers
423130	Tire and Tube Merchant Wholesalers
423140	Motor Vehicle Parts (Used) Merchant Wholesalers
423210	Furniture Merchant Wholesalers
423220	Home Furnishing Merchant Wholesalers
423310	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers

NAICS Codes

NAICS Code	NAICS Description
423320	Brick, Stone, and Related Construction Material Merchant Wholesalers
423330	Roofing, Siding, and Insulation Material Merchant Wholesalers
423390	Other Construction Material Merchant Wholesalers
423410	Photographic Equipment and Supplies Merchant Wholesalers
423420	Office Equipment Merchant Wholesalers
423430	Computer and Computer Peripheral Equipment and Software Merchant Wholesalers
423440	Other Commercial Equipment Merchant Wholesalers
423450	Medical, Dental, and Hospital Equipment and Supplies Merchant Wholesalers
423460	Ophthalmic Goods Merchant Wholesalers
423490	Other Professional Equipment and Supplies Merchant Wholesalers
423510	Metal Service Centers and Other Metal Merchant Wholesalers
423520	Coal and Other Mineral and Ore Merchant Wholesalers
423610	Electrical Apparatus and Equipment, Wiring Supplies, and Related Equipment Merchant Wholesalers
423620	Household Appliances, Electric Housewares, and Consumer Electronics Merchant Wholesalers
423690	Other Electronic Parts and Equipment Merchant Wholesalers
423710	Hardware Merchant Wholesalers
423720	Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers
423730	Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers
423740	Refrigeration Equipment and Supplies Merchant Wholesalers
423810	Construction and Mining (except Oil Well) Machinery and Equipment Merchant Wholesalers
423820	Farm and Garden Machinery and Equipment Merchant Wholesalers
423830	Industrial Machinery and Equipment Merchant Wholesalers
423840	Industrial Supplies Merchant Wholesalers
423850	Service Establishment Equipment and Supplies Merchant Wholesalers
423860	Transportation Equipment and Supplies (except Motor Vehicle) Merchant Wholesalers
423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers
423920	Toy and Hobby Goods and Supplies Merchant Wholesalers
423930	Recyclable Material Merchant Wholesalers
423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers
423990	Other Miscellaneous Durable Goods Merchant Wholesalers
424110	Printing and Writing Paper Merchant Wholesalers
424120	Stationery and Office Supplies Merchant Wholesalers
424130	Industrial and Personal Service Paper Merchant Wholesalers
424210	Drugs and Druggists' Sundries Merchant Wholesalers
424310	Piece Goods, Notions, and Other Dry Goods Merchant Wholesalers
424320	Men's and Boys' Clothing and Furnishings Merchant Wholesalers
424330	Women's, Children's, and Infants' Clothing and Accessories Merchant Wholesalers
424340	Footwear Merchant Wholesalers
424410	General Line Grocery Merchant Wholesalers
424420	Packaged Frozen Food Merchant Wholesalers
424430	Dairy Product (except Dried or Canned) Merchant Wholesalers
424440	Poultry and Poultry Product Merchant Wholesalers

NAICS Codes

NAICS Code	NAICS Description
424450	Confectionery Merchant Wholesalers
424460	Fish and Seafood Merchant Wholesalers
424470	Meat and Meat Product Merchant Wholesalers
424480	Fresh Fruit and Vegetable Merchant Wholesalers
424490	Other Grocery and Related Products Merchant Wholesalers
424510	Grain and Field Bean Merchant Wholesalers
424520	Livestock Merchant Wholesalers
424590	Other Farm Product Raw Material Merchant Wholesalers
424610	Plastics Materials and Basic Forms and Shapes Merchant Wholesalers
424690	Other Chemical and Allied Products Merchant Wholesalers
424710	Petroleum Bulk Stations and Terminals
424720	Petroleum and Petroleum Products Merchant Wholesalers (except Bulk Stations and Terminals)
424810	Beer and Ale Merchant Wholesalers
424820	Wine and Distilled Alcoholic Beverage Merchant Wholesalers
424910	Farm Supplies Merchant Wholesalers
424920	Book, Periodical, and Newspaper Merchant Wholesalers
424930	Flower, Nursery Stock, and Florists' Supplies Merchant Wholesalers
424940	Tobacco and Tobacco Product Merchant Wholesalers
424950	Paint, Varnish, and Supplies Merchant Wholesalers
424990	Other Miscellaneous Nondurable Goods Merchant Wholesalers
425110	Business to Business Electronic Markets
425120	Wholesale Trade Agents and Brokers
441110	New Car Dealers
441120	Used Car Dealers
441210	Recreational Vehicle Dealers
441222	Boat Dealers
441228	Motorcycle, ATV, and All Other Motor Vehicle Dealers
441310	Automotive Parts and Accessories Stores
441320	Tire Dealers
442110	Furniture Stores
442210	Floor Covering Stores
442291	Window Treatment Stores
442299	All Other Home Furnishings Stores
443141	Household Appliance Stores
443142	Electronics Stores
444110	Home Centers
444120	Paint and Wallpaper Stores
444130	Hardware Stores
444190	Other Building Material Dealers
444210	Outdoor Power Equipment Stores
444220	Nursery, Garden Center, and Farm Supply Stores
445110	Supermarkets and Other Grocery (except Convenience) Stores

NAICS Codes

NAICS Code	NAICS Description
445120	Convenience Stores
445210	Meat Markets
445220	Fish and Seafood Markets
445230	Fruit and Vegetable Markets
445291	Baked Goods Stores
445292	Confectionery and Nut Stores
445299	All Other Specialty Food Stores
445310	Beer, Wine, and Liquor Stores
446110	Pharmacies and Drug Stores
446120	Cosmetics, Beauty Supplies, and Perfume Stores
446130	Optical Goods Stores
446191	Food (Health) Supplement Stores
446199	All Other Health and Personal Care Stores
447110	Gasoline Stations with Convenience Stores
447190	Other Gasoline Stations
448110	Men's Clothing Stores
448120	Women's Clothing Stores
448130	Children's and Infants' Clothing Stores
448140	Family Clothing Stores
448150	Clothing Accessories Stores
448190	Other Clothing Stores
448210	Shoe Stores
448310	Jewelry Stores
448320	Luggage and Leather Goods Stores
451110	Sporting Goods Stores
451120	Hobby, Toy, and Game Stores
451130	Sewing, Needlework, and Piece Goods Stores
451140	Musical Instrument and Supplies Stores
451211	Book Stores
451212	News Dealers and Newsstands
452210	Department Stores
452311	Warehouse Clubs and Supercenters
452319	All Other General Merchandise Stores
453110	Florists
453210	Office Supplies and Stationery Stores
453220	Gift, Novelty, and Souvenir Stores
453310	Used Merchandise Stores
453910	Pet and Pet Supplies Stores
453920	Art Dealers
453930	Manufactured (Mobile) Home Dealers
453991	Tobacco Stores
453998	All Other Miscellaneous Store Retailers (except Tobacco Stores)

NAICS Codes

NAICS Code	NAICS Description
454110	Electronic Shopping and Mail-Order Houses
454210	Vending Machine Operators
454310	Fuel Dealers
454390	Other Direct Selling Establishments
481111	Scheduled Passenger Air Transportation
481112	Scheduled Freight Air Transportation
481211	Nonscheduled Chartered Passenger Air Transportation
481212	Nonscheduled Chartered Freight Air Transportation
481219	Other Nonscheduled Air Transportation
482111	Line-Haul Railroads
482112	Short Line Railroads
483111	Deep Sea Freight Transportation
483112	Deep Sea Passenger Transportation
483113	Coastal and Great Lakes Freight Transportation
483114	Coastal and Great Lakes Passenger Transportation
483211	Inland Water Freight Transportation
483212	Inland Water Passenger Transportation
484110	General Freight Trucking, Local
484121	General Freight Trucking, Long-Distance, Truckload
484122	General Freight Trucking, Long-Distance, Less Than Truckload
484210	Used Household and Office Goods Moving
484220	Specialized Freight (except Used Goods) Trucking, Local
484230	Specialized Freight (except Used Goods) Trucking, Long-Distance
485111	Mixed Mode Transit Systems
485112	Commuter Rail Systems
485113	Bus and Other Motor Vehicle Transit Systems
485119	Other Urban Transit Systems
485210	Interurban and Rural Bus Transportation
485310	Taxi Service
485320	Limousine Service
485410	School and Employee Bus Transportation
485510	Charter Bus Industry
485991	Special Needs Transportation
485999	All Other Transit and Ground Passenger Transportation
486110	Pipeline Transportation of Crude Oil
486210	Pipeline Transportation of Natural Gas
486910	Pipeline Transportation of Refined Petroleum Products
486990	All Other Pipeline Transportation
487110	Scenic and Sightseeing Transportation, Land
487210	Scenic and Sightseeing Transportation, Water
487990	Scenic and Sightseeing Transportation, Other
488111	Air Traffic Control

NAICS Codes

NAICS Code	NAICS Description
488119	Other Airport Operations
488190	Other Support Activities for Air Transportation
488210	Support Activities for Rail Transportation
488310	Port and Harbor Operations
488320	Marine Cargo Handling
488330	Navigational Services to Shipping
488390	Other Support Activities for Water Transportation
488410	Motor Vehicle Towing
488490	Other Support Activities for Road Transportation
488510	Freight Transportation Arrangement
488991	Packing and Crating
488999	All Other Support Activities for Transportation
491110	Postal Service
492110	Couriers and Express Delivery Services
492210	Local Messengers and Local Delivery
493110	General Warehousing and Storage
493120	Refrigerated Warehousing and Storage
493130	Farm Product Warehousing and Storage
493190	Other Warehousing and Storage
511110	Newspaper Publishers
511120	Periodical Publishers
511130	Book Publishers
511140	Directory and Mailing List Publishers
511191	Greeting Card Publishers
511199	All Other Publishers
511210	Software Publishers
512110	Motion Picture and Video Production
512120	Motion Picture and Video Distribution
512131	Motion Picture Theaters (except Drive-Ins)
512132	Drive-In Motion Picture Theaters
512191	Teleproduction and Other Postproduction Services
512199	Other Motion Picture and Video Industries
512230	Music Publishers
512240	Sound Recording Studios
512250	Record Production and Distribution
512290	Other Sound Recording Industries
515111	Radio Networks
515112	Radio Stations
515120	Television Broadcasting
515210	Cable and Other Subscription Programming
517311	Wired Telecommunications Carriers
517312	Wired Telecommunications Carriers (except Satellite)

NAICS Codes

NAICS Code	NAICS Description
517410	Satellite Telecommunications
517911	Telecommunications Resellers
517919	All Other Telecommunications
518210	Data Processing, Hosting, and Related Services
519110	News Syndicates
519120	Libraries and Archives
519130	Internet Publishing and Broadcasting and Web Search Portals
519190	All Other Information Services
521110	Monetary Authorities-Central Bank
522110	Commercial Banking
522120	Savings Institutions
522130	Credit Unions
522190	Other Depository Credit Intermediation
522210	Credit Card Issuing
522220	Sales Financing
522291	Consumer Lending
522292	Real Estate Credit
522293	International Trade Financing
522294	Secondary Market Financing
522298	All Other Nondepository Credit Intermediation
522310	Mortgage and Nonmortgage Loan Brokers
522320	Financial Transactions Processing, Reserve, and Clearinghouse Activities
522390	Other Activities Related to Credit Intermediation
523110	Investment Banking and Securities Dealing
523120	Securities Brokerage
523130	Commodity Contracts Dealing
523140	Commodity Contracts Brokerage
523210	Securities and Commodity Exchanges
523910	Miscellaneous Intermediation
523920	Portfolio Management
523930	Investment Advice
523991	Trust, Fiduciary, and Custody Activities
523999	Miscellaneous Financial Investment Activities
524113	Direct Life Insurance Carriers
524114	Direct Health and Medical Insurance Carriers
524126	Direct Property and Casualty Insurance Carriers
524127	Direct Title Insurance Carriers
524128	Other Direct Insurance (except Life, Health, and Medical) Carriers
524130	Reinsurance Carriers
524210	Insurance Agencies and Brokerages
524291	Claims Adjusting
524292	Third Party Administration of Insurance and Pension Funds

NAICS Codes

NAICS Code	NAICS Description
524298	All Other Insurance Related Activities
525110	Pension Funds
525120	Health and Welfare Funds
525190	Other Insurance Funds
525910	Open-End Investment Funds
525920	Trusts, Estates, and Agency Accounts
525990	Other Financial Vehicles
531110	Lessors of Residential Buildings and Dwellings
531120	Lessors of Nonresidential Buildings (except Miniwarehouses)
531130	Lessors of Miniwarehouses and Self-Storage Units
531190	Lessors of Other Real Estate Property
531210	Offices of Real Estate Agents and Brokers
531311	Residential Property Managers
531312	Nonresidential Property Managers
531320	Offices of Real Estate Appraisers
531390	Other Activities Related to Real Estate
532111	Passenger Car Rental
532112	Passenger Car Leasing
532120	Truck, Utility Trailer, and RV (Recreational Vehicle) Rental and Leasing
532210	Consumer Electronics and Appliances Rental
532281	Formal Wear and Costume Rental
532282	Video Tape and Disc Rental
532283	Home Health Equipment Rental
532284	Recreational Goods Rental
532289	All Other Consumer Goods Rental
532310	General Rental Centers
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
532412	Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing
532420	Office Machinery and Equipment Rental and Leasing
532490	Other Commercial and Industrial Machinery and Equipment Rental and Leasing
533110	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)
541110	Offices of Lawyers
541120	Offices of Notaries
541191	Title Abstract and Settlement Offices
541199	All Other Legal Services
541211	Offices of Certified Public Accountants
541213	Tax Preparation Services
541214	Payroll Services
541219	Other Accounting Services
541310	Architectural Services
541320	Landscape Architectural Services
541330	Engineering Services

NAICS Codes

NAICS Code	NAICS Description
541340	Drafting Services
541350	Building Inspection Services
541360	Geophysical Surveying and Mapping Services
541370	Surveying and Mapping (except Geophysical) Services
541380	Testing Laboratories
541410	Interior Design Services
541420	Industrial Design Services
541430	Graphic Design Services
541490	Other Specialized Design Services
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
541611	Administrative Management and General Management Consulting Services
541612	Human Resources Consulting Services
541613	Marketing Consulting Services
541614	Process, Physical Distribution, and Logistics Consulting Services
541618	Other Management Consulting Services
541620	Environmental Consulting Services
541690	Other Scientific and Technical Consulting Services
541713	Research and Development in Nanotechnology
541714	Research and Development in Biotechnology (except Nanobiotechnology)
541715	Research and Development in Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
541720	Research and Development in the Social Sciences and Humanities
541810	Advertising Agencies
541820	Public Relations Agencies
541830	Media Buying Agencies
541840	Media Representatives
541850	Outdoor Advertising
541860	Direct Mail Advertising
541870	Advertising Material Distribution Services
541890	Other Services Related to Advertising
541910	Marketing Research and Public Opinion Polling
541921	Photography Studios, Portrait
541922	Commercial Photography
541930	Translation and Interpretation Services
541940	Veterinary Services
541990	All Other Professional, Scientific, and Technical Services
551111	Offices of Bank Holding Companies
551112	Offices of Other Holding Companies
551114	Corporate, Subsidiary, and Regional Managing Offices
561110	Office Administrative Services

NAICS Codes

NAICS Code	NAICS Description
561210	Facilities Support Services
561311	Employment Placement Agencies
561312	Executive Search Services
561320	Temporary Help Services
561330	Professional Employer Organizations
561410	Document Preparation Services
561421	Telephone Answering Services
561422	Telemarketing Bureaus and Other Contact Centers
561431	Private Mail Centers
561439	Other Business Service Centers (including Copy Shops)
561440	Collection Agencies
561450	Credit Bureaus
561491	Repossession Services
561492	Court Reporting and Stenotype Services
561499	All Other Business Support Services
561510	Travel Agencies
561520	Tour Operators
561591	Convention and Visitors Bureaus
561599	All Other Travel Arrangement and Reservation Services
561611	Investigation Services
561612	Security Guards and Patrol Services
561613	Armored Car Services
561621	Security Systems Services (except Locksmiths)
561622	Locksmiths
561710	Exterminating and Pest Control Services
561720	Janitorial Services
561730	Landscaping Services
561740	Carpet and Upholstery Cleaning Services
561790	Other Services to Buildings and Dwellings
561910	Packaging and Labeling Services
561920	Convention and Trade Show Organizers
561990	All Other Support Services
562111	Solid Waste Collection
562112	Hazardous Waste Collection
562119	Other Waste Collection
562211	Hazardous Waste Treatment and Disposal
562212	Solid Waste Landfill
562213	Solid Waste Combustors and Incinerators
562219	Other Nonhazardous Waste Treatment and Disposal
562910	Remediation Services
562920	Materials Recovery Facilities
562991	Septic Tank and Related Services

NAICS Codes

NAICS Code	NAICS Description
562998	All Other Miscellaneous Waste Management Services
611110	Elementary and Secondary Schools
611210	Junior Colleges
611310	Colleges, Universities, and Professional Schools
611410	Business and Secretarial Schools
611420	Computer Training
611430	Professional and Management Development Training
611511	Cosmetology and Barber Schools
611512	Flight Training
611513	Apprenticeship Training
611519	Other Technical and Trade Schools
611610	Fine Arts Schools
611620	Sports and Recreation Instruction
611630	Language Schools
611691	Exam Preparation and Tutoring
611692	Automobile Driving Schools
611699	All Other Miscellaneous Schools and Instruction
611710	Educational Support Services
621111	Offices of Physicians (except Mental Health Specialists)
621112	Offices of Physicians, Mental Health Specialists
621210	Offices of Dentists
621310	Offices of Chiropractors
621320	Offices of Optometrists
621330	Offices of Mental Health Practitioners (except Physicians)
621340	Offices of Physical, Occupational and Speech Therapists, and Audiologists
621391	Offices of Podiatrists
621399	Offices of All Other Miscellaneous Health Practitioners
621410	Family Planning Centers
621420	Outpatient Mental Health and Substance Abuse Centers
621491	HMO Medical Centers
621492	Kidney Dialysis Centers
621493	Freestanding Ambulatory Surgical and Emergency Centers
621498	All Other Outpatient Care Centers
621511	Medical Laboratories
621512	Diagnostic Imaging Centers
621610	Home Health Care Services
621910	Ambulance Services
621991	Blood and Organ Banks
621999	All Other Miscellaneous Ambulatory Health Care Services
622110	General Medical and Surgical Hospitals
622210	Psychiatric and Substance Abuse Hospitals
622310	Specialty (except Psychiatric and Substance Abuse) Hospitals

NAICS Codes

NAICS Code	NAICS Description
623110	Nursing Care Facilities (Skilled Nursing Facilities)
623210	Residential Intellectual and Developmental Disability Facilities
623220	Residential Mental Health and Substance Abuse Facilities
623311	Continuing Care Retirement Communities
623312	Assisted Living Facilities for the Elderly
623990	Other Residential Care Facilities
624110	Child and Youth Services
624120	Services for the Elderly and Persons with Disabilities
624190	Other Individual and Family Services
624210	Community Food Services
624221	Temporary Shelters
624229	Other Community Housing Services
624230	Emergency and Other Relief Services
624310	Vocational Rehabilitation Services
624410	Child Day Care Services
711110	Theater Companies and Dinner Theaters
711120	Dance Companies
711130	Musical Groups and Artists
711190	Other Performing Arts Companies
711211	Sports Teams and Clubs
711212	Racetracks
711219	Other Spectator Sports
711310	Promoters of Performing Arts, Sports, and Similar Events with Facilities
711320	Promoters of Performing Arts, Sports, and Similar Events without Facilities
711410	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures
711510	Independent Artists, Writers, and Performers
712110	Museums
712120	Historical Sites
712130	Zoos and Botanical Gardens
712190	Nature Parks and Other Similar Institutions
713110	Amusement and Theme Parks
713120	Amusement Arcades
713210	Casinos (except Casino Hotels)
713290	Other Gambling Industries
713910	Golf Courses and Country Clubs
713920	Skiing Facilities
713930	Marinas
713940	Fitness and Recreational Sports Centers
713950	Bowling Centers
713990	All Other Amusement and Recreation Industries
721110	Hotels (except Casino Hotels) and Motels
721120	Casino Hotels

NAICS Codes

NAICS Code	NAICS Description
721191	Bed-and-Breakfast Inns
721199	All Other Traveler Accommodation
721211	RV (Recreational Vehicle) Parks and Campgrounds
721214	Recreational and Vacation Camps (except Campgrounds)
721310	Rooming and Boarding Houses
722310	Food Service Contractors
722320	Caterers
722330	Mobile Food Services
722410	Drinking Places (Alcoholic Beverages)
722511	Full-Service Restaurants
722513	Limited-Service Restaurants
722514	Cafeterias, Grill Buffets, and Buffets
722515	Snack and Nonalcoholic Beverage Bars
811111	General Automotive Repair
811112	Automotive Exhaust System Repair
811113	Automotive Transmission Repair
811118	Other Automotive Mechanical and Electrical Repair and Maintenance
811121	Automotive Body, Paint, and Interior Repair and Maintenance
811122	Automotive Glass Replacement Shops
811191	Automotive Oil Change and Lubrication Shops
811192	Car Washes
811198	All Other Automotive Repair and Maintenance
811211	Consumer Electronics Repair and Maintenance
811212	Computer and Office Machine Repair and Maintenance
811213	Communication Equipment Repair and Maintenance
811219	Other Electronic and Precision Equipment Repair and Maintenance
811310	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
811411	Home and Garden Equipment Repair and Maintenance
811412	Appliance Repair and Maintenance
811420	Reupholstery and Furniture Repair
811430	Footwear and Leather Goods Repair
811490	Other Personal and Household Goods Repair and Maintenance
812111	Barber Shops
812112	Beauty Salons
812113	Nail Salons
812191	Diet and Weight Reducing Centers
812199	Other Personal Care Services
812210	Funeral Homes and Funeral Services
812220	Cemeteries and Crematories
812310	Coin-Operated Laundries and Drycleaners
812320	Drycleaning and Laundry Services (except Coin-Operated)
812331	Linen Supply

NAICS Codes

NAICS Code	NAICS Description
812332	Industrial Launderers
812910	Pet Care (except Veterinary) Services
812921	Photofinishing Laboratories (except One-Hour)
812922	One-Hour Photofinishing
812930	Parking Lots and Garages
812990	All Other Personal Services
813110	Religious Organizations
813211	Grantmaking Foundations
813212	Voluntary Health Organizations
813219	Other Grantmaking and Giving Services
813311	Human Rights Organizations
813312	Environment, Conservation and Wildlife Organizations
813319	Other Social Advocacy Organizations
813410	Civic and Social Organizations
813910	Business Associations
813920	Professional Organizations
813930	Labor Unions and Similar Labor Organizations
813940	Political Organizations
813990	Other Similar Organizations (except Business, Professional, Labor, and Political Organizations)
814110	Private Households
921110	Executive Offices
921120	Legislative Bodies
921130	Public Finance Activities
921140	Executive and Legislative Offices, Combined
921150	American Indian and Alaska Native Tribal Governments
921190	Other General Government Support
922110	Courts
922120	Police Protection
922130	Legal Counsel and Prosecution
922140	Correctional Institutions
922150	Parole Offices and Probation Offices
922160	Fire Protection
922190	Other Justice, Public Order, and Safety Activities
923110	Administration of Education Programs
923120	Administration of Public Health Programs
923130	Administration of Human Resource Programs (except Education, Public Health, and Veterans' Affairs Programs)
923140	Administration of Veterans' Affairs
924110	Administration of Air and Water Resource and Solid Waste Management Programs
924120	Administration of Conservation Programs
925110	Administration of Housing Programs
925120	Administration of Urban Planning and Community and Rural Development
926110	Administration of General Economic Programs

NAICS Codes

NAICS Code	NAICS Description
926120	Regulation and Administration of Transportation Programs
926130	Regulation and Administration of Communications, Electric, Gas, and Other Utilities
926140	Regulation of Agricultural Marketing and Commodities
926150	Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors
927110	Space Research and Technology
928110	National Security
928120	International Affairs

Pollutants

Substance Code	Substance Description	CAS No.	AIRS AFS Code
ACENAPHTHEN	ACENAPHTHENE	83-32-9	PAH2
ACENAPHTHYL	ACENAPHTHYLENE	208-96-8	PAH3
ACETALDEHYDE	ACETALDEHYDE	75-07-0	ACETA
ACETAMIDE	ACETAMIDE	60-35-5	60355
ACETONITRILE	ACETONITRILE	75-05-8	75058
ACETOPHENONE	ACETOPHENONE	98-86-2	98862
ACETYLAMIN,2	2-ACETYLAMINOFLUORENE	53-96-3	53963
ACROLEIN	ACROLEIN	107-02-8	107028
ACRYLAMIDE	ACRYLAMIDE	79-06-1	79061
ACRYLIC ACID	ACRYLIC ACID	79-10-7	79107
ACRYLONITRIL	ACRYLONITRILE	107-13-1	107131
ALLYL CHLORI	ALLYL CHLORIDE	107-05-1	3CLPR
AMINOBIPE,4	4-AMINOBIPHENYL	92-67-1	92671
AMMONIA	AMMONIA	7664-41-7	NH3
ANILINE	ANILINE	62-53-3	62533
ANISIDINE,O-	O-ANISIDINE	90-04-0	90040
ANTHRACENE	ANTHRACENE	120-12-7	PAH6
ANTIMONY	ANTIMONY	7440-36-0	SB-PT
ARSENIC	ARSENIC	7440-38-2	AS
ASBESTOS	ASBESTOS	1332-21-4	AB
BENZ(A)ANTHR	BENZ(A)ANTHRACENE	56-55-3	BAA
BENZ(GHI)PE	BENZO(G,H,I)PERYLENE	191-24-2	BGHP
BENZENE	BENZENE	71-43-2	BZ
BENZIDINE	BENZIDINE	92-87-5	92875
BENZO(A)PYRE	BENZO(A)PYRENE	50-32-8	BAP
BENZO(B)FLUO	BENZO(B)FLUORANTHENE	205-99-2	PAH7
BENZO(C)PHEN	BENZO(C)PHENANTHRENE	195-19-7	
BENZO(E)PYRE	BENZO(E)PYRENE	192-97-2	BEP
BENZO(GHI)FL	BENZO(G,H,I)FLUORANTHENE		
BENZO(K)FLUO	BENZO(K)FLUORANTHENE	207-08-9	PAH8
BENZOFLUO	BENZOFLUORANTHENES	56832-73-6	
BENZOTRICHLO	BENZOTRICHLORIDE	98-07-7	98077
BENZYL CHLOR	BENZYL CHLORIDE	100-44-7	100447

Pollutants

Substance Code	Substance Description	CAS No.	AIRS AFS Code
BERYLLIUM	BERYLLIUM	7440-41-7	BE
BETA-PROPRIO	BETA-PROPRIOLACTONE	57-57-8	57578
BIPHENYL	BIPHENYL	92-52-4	92524
BIS(2-CLETH)	BIS (2-CHLOROETHYL) ETHER	111-44-4	111444
BIS(CLMETH)	BIS(CHLOROMETHYL)ETHER	542-88-1	542881
BROMOFORM	BROMOFORM	75-25-2	75252
BROMOMETH	BROMOMETHANE	74-83-9	74839
BUT CARBITOL	2-(2-BUTOXYETHOXY)-ETHANOL	112-34-5	112345
BUTADIENE,13	1,3-BUTADIENE	106-99-0	106990
BUTOXYETHOXY	BUTOXYETHOXYETHANOL ACETATE	124-17-4	124174
CADMIUM	CADMIUM	7440-43-9	CD
CALCIUM CYAN	CALCIUM CYANAMIDE	156-62-7	156627
CAPTAN	CAPTAN	133-06-2	133062
CARBARYL	CARBARYL	63-25-2	63252
CARBAZOLE	CARBAZOLE	86-74-8	86748
CARBITOL	CARBITOL	111-90-0	111900
CARBON DISUL	CARBON DISULFIDE	75-15-0	CS2
CARBON TETRA	CARBON TETRACHLORIDE	56-23-5	56235
CARBONYL SUL	CARBONYL SULFIDE	463-58-1	463581
CATECHOL	CATECHOL	120-80-9	120809
CELLOSLV ACE	CELLOSOLVE ACETATE	111-15-9	111159
CELLOSOLVE	CELLOSOLVE	110-80-5	110805
CHLORAMBEN	CHLORAMBEN	133-90-4	133904
CHLORDANE	CHLORDANE	57-74-9	57749
CHLORINE	CHLORINE	7782-50-5	CL
CHLORNAPH,2	2-CHLORONAPHTHALENE	91-58-7	
CHLOROACETIC	CHLOROACETIC ACID	79-11-8	79118
CHLOROBENZ	CHLOROBENZENE	108-90-7	108907
CHLOROETHANE	CHLOROETHANE	75-00-3	75003
CHLOROFORM	CHLOROFORM	67-66-3	67663
CHLOROPRENE	CHLOROPRENE	126-99-8	126998
CHROMIUM	CHROMIUM	7440-47-3	CR-PT
CHROMIUM III	CHROMIUM (III)	16065-83-1	

Pollutants

Substance Code	Substance Description	CAS No.	AIRS AFS Code
CHROMIUM VI	CHROMIUM (VI)	18540-29-9	CR6PT
CHRYSENE	CHRYSENE	218-01-9	POLY3
CLACETOPHE,2	2-CHLOROACETOPHENONE	532-27-4	532274
CLBENZILATE	CHLOROBENZILATE	510-15-6	510156
CLMETH METH	CHLOROMETHYL METHYL ETHER	107-30-2	107302
CO	CARBON MONOXIDE	630-08-0	CO
CO2	CARBON DIOXIDE	124-38-9	CO2
COBALT	COBALT	7440-48-4	CO-PT
CRESOL MX IS	CRESOL- MIXED ISOMERS	1319-77-3	1319773
CRESOL,M	M-CRESOL	108-39-4	108394
CRESOL,O	O-CRESOL	95-48-7	95487
CRESOL,P	P-CRESOL	106-44-5	106445
CUMENE	ISOPROPYLBENZENE	98-82-8	ISPBZ
CYANIDE	CYANIDE	57-12-5	57125
D,2,4	2,4-D, SALTS AND ESTERS	94-75-7	
DDE	1,1-DICHLORO-2,2-BIS(P-CHLOROPHENYL)ETHYLENE	72-55-9	72559
DIAZOMETHANE	DIAZOMETHANE	334-88-3	334883
DIBENZ(AH)PY	DIBENZO(A,H)PYRENE	189-64-0	189640
DIBENZ(AI)PY	DIBENZO(A,I)PYRENE	189-55-9	189559
DIBENZAHAH	DIBENZO(A,H)ANTHRACENE	53-70-3	PAH10
DIBENZOFURAN	DIBENZOFURAN	132-64-9	132649
DIBROMO3,12	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	96128
DIBROMOET,12	1,2-DIBROMOETHANE	106-93-4	106934
DIBUTYL PHTH	DIBUTYL PHTHALATE	84-74-2	84742
DICHLORETH12	1,2-DICHLOROETHANE	107-06-2	107062
DICHLORVOS	DICHLORVOS	62-73-7	62737
DICLBENZ,14	1,4-DICHLOROENZENE	106-46-7	106467
DICLBENZD,33	3,3-DICHLOROENZIDENE	91-94-1	DCB
DICLETH,11-	1,1-DICHLOROETHANE	75-34-3	75343
DICLPROPE,13	1,3-DICHLOROPROPENE	542-75-6	542756
DIEGLYDIMETH	DIETHYLENE GLYCOL DIMETHYL ETHER	111-96-6	111966
DIETH SULFAT	DIETHYL SULFATE	64-67-5	64675
DIETHANOLAMI	DIETHANOLAMINE	111-42-2	111422

Pollutants

Substance Code	Substance Description	CAS No.	AIRS AFS Code
DIEYLHEX PHT	DIETHYLHEXYL PHTHALATE	117-81-7	117817
DIMETH AMINO	DIMETHYL AMINOAZOBENZENE	60-11-7	60117
DIMETH HY,11	1,1-DIMETHYL HYDRAZINE	57-14-7	57147
DIMETH PHTHA	DIMETHYL PHTHALATE	131-11-3	131113
DIMETH SULFA	DIMETHYL SULFATE	77-78-1	77781
DIMETHBNZ,33	3,3-DIMETHYLBENZIDENE	119-93-7	119937
DIMETHFORMAM	DIMETHYLFORMAMIDE, N,N-	68-12-2	68122
DIMETHOXY,33	3,3-DIMETHOXYBENZIDENE	119-90-4	119904
DIMETHYLANIL	DIMETHYLANILINE(N,N-DIMETHYLANILINE)	121-69-7	
DINITRO-O-CR	4,6-DINITRO-O-CRESOL	534-52-1	DOC+
DINITROPH,24	2,4-DINITROPHENOL	51-28-5	51285
DINITRTOL,24	2,4-DINITROTOLUENE	121-14-2	121142
DIOXANE	1,4-DIOXANE	123-91-1	123911
DIPHENHYD,12	1,2-DIPHENYLHYDRAZINE	122-66-7	122667
EPICLHYDRIN	EPICHLOROHYDRIN	106-89-8	106898
EPOXYBUT,12	1,2-EPOXYBUTANE	106-88-7	106887
ETH ACRYLATE	ETHYL ACRYLATE	140-88-5	140885
ETHGLYDIMETH	ETHYLENE GLYCOL DIMETHYL ETHER	110-71-4	110714
ETHGLYMOETAC	ETHYLENE GLYCOL MONOMETHYL ETHER ACETATE	110-49-6	110496
ETHYL CARBAM	ETHYL CARBAMATE	51-79-6	51796
ETHYLBENZENE	ETHYLBENZENE	100-41-4	EBENZ
ETHYLENE GLY	ETHYLENE GLYCOL	107-21-1	107211
ETHYLENE IMI	ETHYLENE IMINE	151-56-4	151564
ETHYLENE OXI	ETHYLENE OXIDE	75-21-8	75218
ETHYLENE THI	ETHYLENE THIUREA	96-45-7	96457
FLUORANTHENE	FLUORANTHENE	206-44-0	POLY1
FLUORENE	FLUORENE	86-73-7	PAH4
FORMALDEHYDE	FORMALDEHYDE	50-00-0	FORM
GLYCOL ETHER	GLYCOL ETHER	111-46-6	GC234
GLYCOL ETHRS	GLYCOL ETHERS (MISC.)	52286-19-8	GLYET
HCL	HYDROCHLORIC ACID	7647-01-0	HCL
HEPTACHLOR	HEPTACHLOR	76-44-8	76448
HEXACL-1,3-C	1,2,3,4,5,5-HEXACHLORO-1,3-CYCLOPENTADIENE	77-47-4	77474

Pollutants

Substance Code	Substance Description	CAS No.	AIRS AFS Code
HEXAMETHYL16	HEXAMETHYLENE-1,6-DIISOCYANATE	822-06-0	
HEXANE	N-HEXANE	110-54-3	NHEXA
HEXCHLORETH	HEXACHLOROETHANE	67-72-1	67721
HEXCL-13-BUT	HEXACHLORO-1,3-BUTADIENE	87-68-3	87683
HEXCLBENZENE	HEXACHLOROBENZENE	118-74-1	CLB4
HF	HYDROGEN FLUORIDE	7664-39-3	HF
HPCDD1234678	1,2,3,4,6,7,8- HEPTACHLORODIBENZODIOXIN	35822-46-9	HPCDD
HPCDF1234678	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	67562-39-4	HPCDF
HPCDF1234789	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	55673-89-7	5HCDF
HXCDD,123478	1,2,3,4,7,8-HEXACHLORODIBENZODIOXIN	39227-28-6	39227286
HXCDD,123678	1,2,3,6,7,8-HEXACHLORODIBENZODIOXIN	57653-85-7	HXCDD
HXCDD,123789	1,2,3,7,8,9-HEXACHLORODIBENZODIOXIN	19408-74-3	1HXCDD
HXCDF,123478	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	70648-26-9	HXCDF
HXCDF,123678	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	57117-44-9	2HCDF
HXCDF,123789	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	72918-21-9	4HCDF
HXCDF,234678	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	60851-34-5	3HCDF
HXMETH PHOSP	HEXAMETHYL PHOSPHORAMIDE	680-31-9	680319
HYDFLUOROCAR	HYDROFLUOROCARBONS		
HYDRAZINE	HYDRAZINE	302-01-2	302012
HYDROGEN SUL	HYDROGEN SULFIDE	7783-06-4	H2S
HYDROQUINONE	HYDROQUINONE	123-31-9	123319
INDN(123CDPY	INDENO(1,2,3-C,D)PYRENE	193-39-5	PAH11
ISOPHORONE	ISOPHORONE	78-59-1	78591
LEAD	LEAD	7439-92-1	PB
LINDANE ISO	LINDANE, (ALL ISOMERS)	58-89-9	58899
MALEIC ANHYD	MALEIC ANHYDRIDE	108-31-6	108316
MANGANESE	MANGANESE	7439-96-5	MN-PT
MERCURY	MERCURY	7439-97-6	HG
METEN BIS,44	4,4-METHYLENE BIS(2-CHLOROANILINE)	101-14-4	CURNE
METH CARBITO	METHYL CARBITOL	111-77-3	111773
METH CELLOSO	METHYL CELLOSOLVE	109-86-4	109864
METH HYDRAZI	METHYL HYDRAZINE	60-34-4	60344
METH IODIDE	METHYL IODIDE	74-88-4	74884

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Substance Code	Substance Description	CAS No.	AIRS AFS Code
METH ISOBUT	METHYL ISOBUTYL KETONE	108-10-1	108101
METH ISOCYAN	METHYL ISOCYANATE	624-83-9	624839
METH METHACR	METHYL METHACRYLATE	80-62-6	80626
METH NAPHT,1	1-METHYL NAPHTHALENE	90-12-0	90120
METH TERT BU	METHYL TERT BUTYL ETHER	1634-04-4	1634044
METHANE	METHANE	74-82-8	CH4
METHANOL	METHANOL	67-56-1	67561
METH-CHRYSEN	METHYL-CHRYSENES		
METHENE DIAN	4,4-METHYLENE DIANILINE	101-77-9	101779
METHENE(B)4-	METHYLENE(B)4-PHENYLISOCYANATE	101-68-8	101688
METHOXYCHLOR	METHOXYCHLOR	72-43-5	72435
METHYL CHLOR	METHYL CHLORIDE	74-87-3	74873
METHYLANTHR	METHYLANTHRACENE		
METHYLB,12	12-METHYLBENZ(A)ANTHRACENE	2422-79-9	
METHYLCHOLA3	3-METHYLCHOLANTHRENE		
METHYLENE CL	METHYLENE CHLORIDE	75-09-2	MC
METHYLNAPHT2	2-METHYLNAPHTHALENE	91-57-6	2MNAP
METHYLPHENA1	1-METHYLPHENANTHRENE		
NAPHTHALENE	NAPHTHALENE	91-20-3	PAH1
NDIMETH CARB	N,N-DIMETHYL CARBAMOYL CHLORIDE	79-44-7	79447
NICKEL	NICKEL	7440-02-0	NI-PT
NITRBIPHEN,4	4-NITROBIPHENYL	92-93-3	92933
NITROBENZ	NITROBENZENE	98-95-3	98953
NITROPHENL,4	4-NITROPHENOL	100-02-7	100027
NITROPROPA,2	2-NITROPROPANE	79-46-9	79469
NITROSODIMET	N-NITROSODIMETHYLAMINE	62-75-9	62759
NITROSOMORPH	N-NITROSOMORPHOLINE	59-89-2	59892
NITROUS OXID	NITROUS OXIDE	10024-97-2	10024972
NOX	OXIDES OF NITROGEN (EXPRESSED AS NO2)		NO2
OCDF,TOT	OCTACHLORDIBENZOFURANS, ALL ISOMERS	39001-02-0	FURN6
PAH	PAH		
PARATHION	PARATHION	56-38-2	56382
PCBS	POLYCHLORINATED BIPHENYLS (PCBS)	1336-36-3	1336363

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Substance Code	Substance Description	CAS No.	AIRS AFS Code
PCP	PENTACHLOROPHENOL (PCP)	87-86-5	CLP8
PECDD,12378	1,2,3,7,8- PENTACHLORODIBENZODIOXIN	40321-76-4	40321764
PECDF,12378	1,2,3,7,8- PENTACHLORODIBENZOFURAN	57117-41-6	PECDF
PECDF,23478	2,3,4,7,8- PENTACHLORODIBENZOFURAN	57117-31-4	2PCDF
PENTCLNITBEN	PENTACHLORONITROBENZENE	82-68-8	82688
PERC	TETRACHLOROETHYLENE	127-18-4	127184
PERFLUOROCAR	PERFLUOROCARBONS		
PERYLENE	PERYLENE	198-55-0	POLY6
PHENANTHRENE	PHENANTHRENE	85-01-8	PAH5
PHENOL	PHENOL	108-95-2	108952
PHENYLENED,P	P-PHENYLENEDIAMINE	106-50-3	106503
PHOSGENE	PHOSGENE	75-44-5	75445
PHOSPHINE	PHOSPHINE	7803-51-2	7803512
PHOSPHORUS	PHOSPHORUS (YELLOW OR WHITE)	7723-14-0	P-PT
PHTHALIC ANH	PHTHALIC ANHYDRIDE	85-44-9	85449
PM,CONDSABLE	PARTICULATE MATTER (PM), CONDENSIBLE		
PM10,FLTRBLE	PARTICULATE MATTER < 10 MICRONS (PM10), FILTERABLE		
PM10,PRIMARY	PARTICULATE MATTER < 10 MICRONS, SUM OF CONDSBLS & FLTRBLS		
PM2.5,FLTRBL	PARTICULATE MATTER < 2.5 MICRONS (PM2.5), FILTERABLE		
PM2.5,PRIMRY	PARTICULATE MATTER < 2.5 MICRONS (PM2.5), SUM CONDS & FLTRBL		
PROP IM, 12	1,2-PROPYLENEIMINE	75-55-8	75558
PROPANESU,13	1,3-PROPANE SULTONE	1120-71-4	
PROPIONALDEH	PROPIONALDEHYDE	123-38-6	123386
PROPOXUR	PROPOXUR	114-26-1	114261
PRPLENE DICH	PROPYLENE DICHLORIDE	26638-19-7	26638197
PRPLENE OXID	PROPYLENE OXIDE	75-56-9	75569
PYRENE	PYRENE	129-00-0	POLY2
QUINOLINE	QUINOLINE	91-22-5	91225
QUINONE	QUINONE	106-51-4	106514
SELENIUM	SELENIUM	7782-49-2	SE-PT
SO2	SULFUR DIOXIDE	7446-09-5	
STYRENE	STYRENE	100-42-5	STYR
STYRENE OXID	STRYENE OXIDE	96-09-3	96093

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Substance Code	Substance Description	CAS No.	AIRS AFS Code
SULF HXFLUOR	SULFUR HEXAFLUORIDE	2551-62-4	2551624
TCDD,2378	2,3,7,8-TETRACHLORODIBENZODIOXIN	1746-01-6	DIOX1
TCDF,2378	2,3,7,8-TETRACHLORODIBENZOFURAN	51207-31-9	FURN1
TCE,111	1,1,1-TRICHLOROETHANE	71-55-6	TCA
TERT BUT ACE	TERT-BUTYL ACETATE	540885	
TETCLET,1122	1,1,2,2-TETRACHLOROETHANE	79-34-5	79345
THORIUM	THORIUM	7440-29-1	7440291
TITAN TETCL	TITANIUM TETRACHLORIDE	7550-45-0	
TOC	TOTAL ORGANIC COMPOUNDS (TOC)		
TOL DIAMIN24	2,4-DIAMINOTOLUENE	95-80-7	
TOLUENE	TOLUENE	108-88-3	TOLU
TOLUENE24DII	TOLUENE-2,4-DIISOCYANATE	584-84-9	26471625
TOLUIDINE,O-	O-TOLUIDINE	95-53-4	95534
TOXAPHENE	TOXAPHENE	8001-35-2	8001352
TRICHLORETHY	TRICHLOROETHYLENE	79-01-6	79016
TRICLBNZ,124	1,2,4-TRICHLOROBENZENE	120-82-1	120821
TRICLETH,112	1,1,2-TRICHLOROETHANE	79-00-5	TCA1
TRICLPHN,245	2,4,5-TRICHLOROPHENOL	95-95-4	95954
TRICLPHN,246	2,4,6-TRICHLOROPHENOL	88-06-2	88062
TRIETHAMINE	TRIETHYLAMINE	121-44-8	121448
TRIETHYLENE	TRIETHYLENE GLYCOL	112-27-6	112276
TRIFLURALIN	TRIFLURALIN	1582-09-8	1582098
TRIME-PENTAN	2,2,4-TRIMETHYLPENTANE	540-84-1	224TM
URANIUM	URANIUM	7440-61-1	7440611
VINLIDENE CL	VINYLDENE CHLORIDE	75-35-4	75354
VINYL ACETAT	VINYL ACETATE	108-05-4	108054
VINYL BROMID	VINYL BROMIDE	593-60-2	593602
VINYL CHLOR	VINYL CHLORIDE	75-01-4	VC
VOC	VOLATILE ORGANIC COMPOUNDS		VOC
XYLENE,M	M-XYLENE	108-38-3	MXYL
XYLENE,O	O-XYLENE	95-47-6	OXYL
XYLENE,P	P-XYLENE	106-42-3	PXYL
XYLENES ISO	XYLENES (MIXED ISOMERS)	1330-20-7	1330207