

**Table A-3. Sector Phases and Activity Level Reporting Thresholds for Additional Applicability Facilities  
Subject Per Section 93401(a)(4)**

<u>Sector No.</u>	<u>Permitted Process</u>	<u>SIC Code(s)*</u>	<u>NAICS Code(s)*</u>	<u>Activity Level Reporting Threshold</u>
1	<u>Metal plating, anodizing, or grinding using cadmium or chromium</u>	<u>Any</u>	<u>Any</u>	<u>Any activity level</u>
2	<u>Plating, polishing, coating, engraving, and allied services, including thermal spraying, using chromium, cadmium, or nickel</u>	<u>347x</u>	<u>3328xx and 33991x</u>	<u>Any activity level</u>
3	<u>Petroleum refining and industries related to petroleum refining</u>	<u>2911 through 2999</u>	<u>3241xx, 325110, and 325194</u>	<u>Any activity level</u>
4	<u>Polybrominated biphenyl compounds (PBBs), and any brominated diphenyl ethers, manufacture or use</u>	<u>Any</u>	<u>Any</u>	<u>Any activity level</u>
5	<u>Rubber and miscellaneous plastics products manufacturing if styrene, butadiene, phthalates, carcinogenic solvents, or isocyanates are used</u>	<u>3011 through 3089, 3293, 3555</u>	<u>31332x, 31491x, 3162xx, 3252xx, 325991, 3261xx, 3262xx, and 339113</u>	<u>Any activity level</u>
6	<u>Industrial machinery manufacturing</u>	<u>353x, 356x</u>	<u>TBD</u>	<u>Any activity level</u>
7	<u>Processes emitting 1,4-dioxane in reverse osmosis equipment manufacturing, water treatment filtration systems, manufacturing of paints, lacquers, cosmetics, and cleaning agents; manufacturing or processing of petroleum, pulp and paper, explosives; commercial printing, electroplating/polishing; manufacturing of pesticides, dyes, fibers, pharmaceuticals, adhesives, semiconductors, electronic components, photographic equipment, magnetic recording media, polymers, plastics, rubber, and organic and inorganic chemicals; and cleaning or degreasing solvent use containing 1,4-dioxane</u>	<u>13xx, 22xx, 26xx, 27xx, 28xx, 29xx, 30xx, 35xx, 36xx, 37xx, 38xx, 49xx, 50xx, 51xx, 73xx, 75xx, 76xx, 97xx</u>	<u>211xxx, 221xxx, 236xxx, 2371xx, 2389xx, 3115xx, 3121xx, 3149xx, 3222xx, 3231xx, 325xxx, 326xxx, 331xxx, 332xxx, 333xxx, 334xxx, 3361xx, 3364xx, 3399xx, 4881xx, 5311xx, 5417xx, 5622xx, 61xxxx, 8111xx, 92811x</u>	<u>10 pounds of 1,4-dioxane emitted per year</u>

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8	<u>Combustion of crude, residual, distillate, or diesel oil, except for the agricultural operations and medical-related industry sectors as defined in the SIC and NAICS columns</u>	<u>Any, except SIC codes 0110 through 0762 and 8011 through 8099</u>	<u>Any, except 111xxx, 112xxx, 1151xx, 1152xx, and 621xxx through 623xxx</u>	<u>Tier 4 or higher diesel engines: 100 gallons of fuel combusted per year, or 5 hours per year of operation.</u> <u>Tier zero through tier 3 diesel engines: 30 gallons of fuel combusted per year or 5 hours per year of operation.</u> <u>Combustion devices other than compression ignition engines: 100 gallons of fuel combusted per year.</u>
9	<u>Processes emitting styrene, in boat and ship building and repair; rubber products manufacturing; plastics, resins, and foams manufacturing; utility vault manufacturing; cultured marble and stone manufacturing and wholesale; fiber cans and drums manufacturing; manufacturing and installation of polystyrene products; and furniture and fixtures manufacturing</u>	<u>17xx, 22xx, 23xx, 24xx, 25xx, 26xx, 28xx, 30xx, 32xx, 34xx, 35xx, 37xx, 38xx, 44xx, 45xx, 49xx, 50xx, 51xx, 75xx, 97xx</u>	<u>211xxx, 2123xx, 213xxx, 221xxx, 236xxx, 237xxx, 311xxx, 3121xx, 313xxx, 314xxx, 315xxx, 316xxx, 321xxx, 322xxx, 32311x, 324xxx, 325xxx, 326xxx, 327xxx, 331xxx, 332xxx, 333xxx, 334xxx, 336xxx, 337xxx, 339xxx, 441xxx, 443xxx, 4441xx, 445xxx, 447xxx, 448xxx, 481xxx, 484xxx, 485xxx, 486xxx, 4881xx, 4883xx, 493xxx, 562xxx, 62xxxx, 722xxx, 8111xx, 8114xx, 8122xx, 92811x</u>	<u>1 pound of styrene emitted per year</u>
10	<u>Methylene chloride use for paint or coating removal, printing or print shop cleaning, or aircraft maintenance or repair</u>	<u>Any</u>	<u>Any</u>	<u>1 gallon of methylene chloride used per year</u>
11	<u>Paint stripping and varnish stripping</u>	<u>TBD</u>	<u>TBD</u>	<u>Any activity level</u>

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12	<u>Isocyanate compound use, in print shops and commercial printing; aerospace manufacturing and maintenance; adhesive and sealants manufacturing; plastics foam products manufacturing; military facilities; manufacture of flexible and rigid foams, fibers, coatings such as paints and varnishes, and elastomers; spraying of polyurethane coatings on cement, wood, fiberglass and metals; surface coating of appliances; surface coating of magnetic tape; manufacture or use of blowing agents; and production of polyurethane foam. Isocyanates from auto body repair and coating operations are reported under the Phase 2 category for that process.</u>	<u>24xx, 25xx, 26xx, 27xx, 28xx, 30xx, 33xx, 347x, 36xx, 37xx, 39xx, 39xx, 45xx, 50xx, 51xx, and 97xx. Auto body repair and coating operations, and the associated SICs, 5511 through 5521, 7532, and 7535, are reported under Phase 2.</u>	<u>321xxx, 322xxx, 32311x, 324xxx, 325xxx, 326xxx, 3279xx, 331xxx, 334xxx, 335xxx, 3361xx, 3364xx, 3366xx, 339xxx, 481xxx, 4881xx, 4883xx, 5417xx, 8114xx, 92811x. Auto body repair and coating operations, and the associated NAICS, 4411xx, 44121x, 441228, 44131x, 811111, and 811121, are reported under Phase 2.</u>	<u>Use of materials containing 3 pounds of isocyanates per year</u>
13	<u>Tert-butyl acetate use in, aerospace manufacturing and maintenance; fabricated metal products manufacturing; manufacture or use of coatings, inks, adhesives, cleaners and degreasers; and military facilities. Tert-butyl acetate from auto body repair and coating operations are reported under the Phase 2 category for that process.</u>	<u>28xx, 32xx, 33xx, 34xx, 37xx, 37xx, 49xx, 50xx, 97xx. Auto body repair and coating operations, and the associated SICs, 5511 through 5521, 7532, and 7535, are reported under Phase 2.</u>	<u>325xxx, 327xxx, 331xxx, 332xxx, 3362xx, 3363xx, 3369xx, 3364xx, 5417xx, 5629xx, 92811x. Auto body repair and coating operations, and the associated NAICS, 4411xx, 44121x, 441228, 44131x, 811111, and 811121, are reported under Phase 2.</u>	<u>20 pounds of tert-butyl acetate used per year</u>

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<u>14</u>	<u>Use of parachlorobenzotrifluoride (PCBTF) in cleaning or degreasing solvents, adhesives, printing inks, or coating operations.</u>	<u>Any</u>	<u>Any</u>	<u>5 pounds or 0.5 gallon of parachlorobenzotrifluoride used per year</u>
<u>15</u>	<u>Printing and publishing including print shops and miscellaneous commercial printing</u>	<u>2711 through 2771, 2782</u>	<u>313310, 32311x, 5111xx, 51223x, 561439, 81292x</u>	<u>Use of graphic arts materials with no isocyanates: Annual average of 2 gallons per day.</u> <u>Use of graphic arts materials with isocyanates: Annual average of 0.5 gallons per day.</u>
<u>16</u>	<u>Hazardous waste treatment, storage, disposal and recycling at a hazardous waste treatment, storage, disposal and recycling facility</u>	<u>Any</u>	<u>Any</u>	<u>Any activity level</u>
<u>17</u>	<u>Welding, laser cutting and plasma cutting of metal materials</u>	<u>TBD</u>	<u>TBD</u>	<u>Any activity level</u>
<u>18</u>	<u>Fumigation of crops for market using ethylene oxide, propylene oxide, methyl bromide, sulfuryl fluoride, or phosphine and phosphine-generators</u>	<u>0723, 2033, 2034, 2068, 2099, 5148</u>	<u>115111, 115114, 3111xx through 3114xx, 3118xx, and 3119xx</u>	<u>Any activity level</u>
<u>19</u>	<u>Construction aggregate processing, if asphalt products are also used or produced</u>	<u>1442 through 1446</u>	<u>212321 and 212322</u>	<u>Any activity level</u>
<u>20</u>	<u>Chemicals and allied products manufacturing</u>	<u>2812 through 2899</u>	<u>211112, 311942, 331311, 325xxx</u>	<u>Any activity level</u>
<u>21</u>	<u>Bulk petroleum storage and loading, bulk benzene storage and loading, and related wholesalers</u>	<u>5171, 5172</u>	<u>4247xx</u>	<u>Any activity level</u>
<u>22</u>	<u>Dry cleaning facilities, except facilities that only use water or carbon dioxide based cleaning systems</u>	<u>7216, 7217</u>	<u>812320, 561740</u>	<u>Any activity level</u>
<u>23</u>	<u>Use of ethylene oxide for sterilization</u>	<u>Any</u>	<u>Any</u>	<u>Any activity level</u>
<u>24</u>	<u>Leather and hide tanning and finishing, processing and fabricated goods</u>	<u>3111</u>	<u>316110</u>	<u>Any activity level</u>
<u>25</u>	<u>Retail sale of gasoline</u>	<u>Any</u>	<u>Any</u>	<u>25,000 gallons of gasoline sold per year</u>

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<u>26</u>	<u>Auto body repair and coating operations at auto body shops, including new and used car dealers</u>	<u>5511 through 5521, 7531, 7532, 7535</u>	<u>4411xx, 44121x, 441228, 44131x, 811111, 811121</u>	<u>50 gallons of paint used per year</u>
<u>27</u>	<u>Medical services, hospitals, and related facilities which use formaldehyde (or formalin), glutaraldehyde, ethylene oxide, or diesel engines</u>	<u>8011 through 8099</u>	<u>62xxxx</u>	<u>110 pounds of formaldehyde emitted per year, or 110 pounds of glutaraldehyde emitted per year, or 4 pounds of ethylene oxide used per year, or 30 gallons of diesel fuel burned or 5 hours of engine operation per year.</u>
<u>28</u>	<u>Solvent cleaning and degreasing</u>	<u>13xx, 17xx, 22xx, 25xx, 26xx, 27xx, 28xx, 29xx, 30xx, 32xx, 33xx, 34xx, 35xx, 36xx, 37xx, 38xx, 39xx, 45xx, 49xx, 509x, 519x, 75xx, 7623, 7641, 8071, 822x, 9711</u>	<u>211xxx, 212xxx, 213xxx, 221xxx, 238xxx, 322xxx, 323xxx, 324xxx, 325xxx, 326xxx, 327xxx, 332xxx, 333xxx, 334xxx, 335xxx, 336xxx, 337xxx, 339xxx, 423xxx, 425xxx, 441xxx, 447xxx, 451xxx, 486xxx, 488xxx, 541xxx, 562xxx, 611xxx, 811xxx, 928xxx</u>	<u>Use of solvents that are a listed substance designated as a human carcinogen or potential human carcinogen: Any activity level.</u> <u>Use of solvents that are a listed substance but not designated as a human carcinogen or potential human carcinogen: Annual average of 55 gallons per month.</u>
<u>29</u>	<u>Wastewater treatment at wastewater treatment plants, including incineration of sludge</u>	<u>4952</u>	<u>221320</u>	<u>Covered systems: 10 million gallons annual average daily flow.</u> <u>Uncovered systems: 5 million gallons annual average daily flow.</u> <u>Facilities that incinerate sludge: Any activity level</u>
<u>30</u>	<u>Flat glass manufacturing</u>	<u>3211</u>	<u>327211</u>	<u>100 pounds of glass production</u>
<u>31</u>	<u>Pressed and blown glassware manufacturing</u>	<u>3229, 3221</u>	<u>327212, 327213</u>	<u>100 pounds of glass production</u>

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<u>32</u>	<u>Clay ceramics manufacturing</u>	<u>3253, 3261</u>	<u>327120, 327110</u>	<u>TBD</u>
<u>33</u>	<u>Hexavalent chromium use in cooling towers</u>	<u>Any</u>	<u>Any</u>	<u>Any activity level</u>
<u>34</u>	<u>Incineration of hazardous, municipal, or biomedical waste, or tires</u>	<u>Any</u>	<u>Any</u>	<u>Any activity level</u>
<u>35</u>	<u>Cremation of humans or animals</u>	<u>7261, 6531, 8699</u>	<u>812220</u>	<u>Any activity level</u>
<u>36</u>	<u>Fiberglass and various fiberglass materials and product manufacturing</u>	<u>2221, 3229</u>	<u>326191, 326199, 337125</u>	<u>Any activity level</u>
<u>37</u>	<u>Pulp and paper manufacturing</u>	<u>2611, 2621, 2631</u>	<u>3221xx</u>	<u>Any activity level</u>
<u>38</u>	<u>Semiconductors and related devices manufacturing</u>	<u>3674</u>	<u>334413</u>	<u>Any activity level</u>
<u>39</u>	<u>Oil and gas extraction or production</u>	<u>1311 through 1389</u>	<u>211xxx, 213111, 213112</u>	<u>Any activity level</u>
<u>40</u>	<u>Melting, smelting, recovery, reclamation, or recycling of lead-containing materials, including but not limited to lead batteries</u>	<u>3300 through 3499, 3690 through 3699, 3714, 3728, 5051, 5093, 9711</u>	<u>331410, 331492, and 423930</u>	<u>Any activity level</u>
<u>41</u>	<u>Primary or secondary metal melting, smelting, refining, alloying, forging, or foundry/casting operations</u>	<u>3300 through 3499, 3690 through 3699, 3714, 3728, 5051, 5093, 9711</u>	<u>331410, 331492, 33151x, 33152x, and 423930</u>	<u>Any activity level</u>
<u>42</u>	<u>Use of N-methyl pyrrolidone</u>	<u>TBD</u>	<u>TBD</u>	<u>1 gallon of N-methyl pyrrolidone per year</u>
<u>43</u>	<u>Prepared feed manufacturing</u>	<u>2048</u>	<u>TBD</u>	<u>TBD</u>

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44	<u>Wood preserving</u>	<u>259x</u>	<u>TBD</u>	<u>TBD</u>
45	<u>Long term asbestos removal on a routine and predictable basis</u>	<u>Any</u>	<u>Any</u>	<u>One year duration</u>
46	<u>Combustion of residual, distillate, or diesel oil, in agricultural operations-related industry sectors</u>	<u>0110 through 0762</u>	<u>1111xx, 1112xx, 1113xx, 1114xx, 1119xx, 1121xx, 1122xx, 1123xx, 1124xx, 1125xx, 1129xx, 1151xx, and 1152xx</u>	<u>Tier 4 or higher diesel engines: 100 gallons of fuel combusted per year, or 5 hours per year of operation.</u> <u>Tier zero through tier 3 diesel Engines: 30 gallons of fuel combusted per year, or 5 hours per year of operation.</u> <u>Devices other than internal combustion engines: 100 gallons of fuel combusted per year.</u>
47	<u>Boat and ship building and repair</u>	<u>3731, 3732</u>	<u>336611, 336612, 488390, 811490</u>	<u>1 gallon of coatings used per year</u>
48	<u>Collection and disposal of refuse</u>	<u>4953</u>	<u>5622xx, 562920</u>	<u>1 pound of vinyl chloride or 1 pound of benzene emitted per year</u>
49	<u>Composting of organic waste</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD based on consideration of ammonia and H<sub>2</sub>S emissions</u>
50	<u>Recycling facilities, and material recovery facilities that separate organic waste from recyclable materials</u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
51	<u>Scrap and waste wholesale handling and recycling, including but not limited to junk metals, shredding operations, and auto dismantling</u>	<u>5093</u>	<u>423930</u>	<u>40,000 tons of metal shredded per year or 1,000 tons of metal recycled per year</u>
52	<u>Combustion of natural gas or propane</u>	<u>Any</u>	<u>Any</u>	<u>75 million standard cubic feet or 77,000 MMBtu combusted per year</u>

\* Where SIC and NAICS codes are designated, the requirements of this article apply to facilities classified with either a matching primary or secondary Standard Industrial Classification (SIC) code or North American Industry Classification System (NAICS) code listed for the permitted emissions process, and for which the listed process occurs at levels exceeding the emission or activity level threshold. If the SIC or NAICS codes have a designation of "Any" in Table A-3 for a permitted process, then the requirements of this article apply regardless of the SIC or NAICS designation for the facility performing the process, if the listed activity level reporting threshold is exceeded.