

APPENDIX E

REQUIREMENTS FOR CLASSES OF FACILITIES EMITTING LESS THAN 10 TONS PER YEAR OF CRITERIA POLLUTANTS

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Requirements for Classes of Facilities Emitting Less Than 10 Tons Per Year of Criteria Pollutants

Appendix E contains Table E-1, Table E-2, and Table E-3, which are referred to from EICG Section II.E.

Table E-1.
Phase-in schedule for reporting by District Group and Sector Phase*

District Group	Initial Data Year			
	Sector Phase 1**	Sector Phase 2	Sector Phase 3	Sector Phase 3B***
A	2022	2024	2025	2028
B	2024	2026	2027	2028

- * The initial data year is the first data year subject to reporting. For example, for District Group A, Sector Phase 1, 2022 data must be submitted during 2023.
- ** Agricultural operation facilities that are required to submit reports pursuant to a threshold identified in Appendix E, Table E-3, regardless of which threshold category is exceeded, may postpone the initial year of reporting to Sector Phase 3.
- *** Facilities in the waste-handling sector subject to two-step source testing and other requirements set forth in Section II.E(2) and IX.H. Reporting for Sector Phase 3B begins with 2028 data even if other permitted processes in Sector Phases 1, 2, or 3 are present at the facility.

**Table E-2.
District Group for Appendix E Phase-in Schedule**

District Group	District	
A	Bay Area AQMD	San Diego County APCD
	Imperial County APCD	San Joaquin Valley Unified APCD
	Sacramento Metropolitan AQMD	South Coast AQMD
B	Amador County APCD	Mojave Desert AQMD
	Antelope Valley APCD	Monterey Bay Air Resources District
	Butte County AQMD	North Coast Unified APCD
	Calaveras County APCD	Northern Sierra AQMD
	Colusa County APCD	Northern Sonoma County APCD
	Eastern Kern County APCD	Placer County APCD
	El Dorado County APCD	San Luis Obispo County APCD
	Feather River AQMD	Santa Barbara County APCD
	Glenn County APCD	Shasta County AQMD
	Great Basin Unified APCD	Siskiyou County APCD
	Lake County AQMD	Tehama County APCD
	Lassen County APCD	Tuolumne County APCD
	Mariposa County APCD	Ventura County APCD
	Mendocino County AQMD	Yolo/Solano AQMD
	Modoc County APCD	

Table E-3. Sector Phases and Activity Level Reporting Thresholds for Facilities Emitting Less Than 10 Tons of Criteria Pollutants

Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
1	1	Metal plating, anodizing, or grinding using cadmium or chromium	Any	Any	Any activity level
2	1	Plating, polishing, coating, engraving, and allied services, including thermal spraying, using chromium, cadmium, or nickel	347x	3328xx and 33991x	Any activity level
3	1	Petroleum refining and industries related to petroleum refining	2911 through 2999	3241xx, 325110, and 325194	Any activity level
4	1	Industrial machinery manufacturing	353x, 356x	333xxx	Any activity level
5	1	Release of fumigant, or fumigation of crops for market using ethylene oxide, propylene oxide, methyl bromide, sulfuryl fluoride, sulfur dioxide, phosphine, or phosphine-generating processes	0723, 2033, 2034, 2068, 2099, 5148	115111, 115114, 3111xx through 3114xx, 3118xx, and 3119xx	Any activity level
6	1	Rubber and miscellaneous plastics products manufacturing if styrene, butadiene, phthalates, carcinogenic solvents, or isocyanates are used	3011 through 3089, 3293, 3555	31332x, 31491x, 3162xx, 3252xx, 325991, 3261xx, 3262xx, and 339113	Any activity level
7	1	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	13xx, 22xx, 26xx, 27xx, 28xx, 29xx, 30xx, 35xx, 36xx, 37xx, 38xx, 49xx, 50xx, 51xx, 73xx, 75xx, 76xx, 97xx	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	10 pounds of 1,4-dioxane emitted per year

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Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
8	1	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	Any, except SIC codes 0110 through 0762 and 8011 through 8099	Any, except 111xxx, 112xxx, 1151xx, 1152xx, and 621xxx through 623xxx	Tier 4 or higher diesel engines: 100 gallons of fuel combusted per year, or 5 hours per year of non-emergency operation. Tier zero through tier 3 diesel engines: 30 gallons of fuel combusted per year or 5 hours per year of non-emergency operation. Combustion devices other than compression ignition engines: 100 gallons of fuel combusted per year.
9	1	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	17xx, 22xx, 23xx, 24xx, 25xx, 26xx, 28xx, 30xx, 32xx, 34xx, 35xx, 37xx, 38xx, 44xx, 45xx, 49xx, 50xx, 51xx, 75xx, 97xx	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	1 pound of styrene emitted per year
10	1	Methylene chloride use for paint or coating removal, printing or print shop cleaning, or aircraft maintenance or repair	Any	Any	1 gallon of methylene chloride used per year

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Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
11	1	Paint stripping and varnish stripping	7641	811420	Any activity level
12	1	Use of N-methyl pyrrolidone	Any	Any	1 gallon of N-methyl pyrrolidone per year
13	1	Dry cleaning facilities, except facilities that only use water or carbon dioxide based cleaning systems	7216, 7217	812320, 561740	Any activity level
14	1	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.	28xx, 32xx, 33xx, 34xx, 37xx, 38xx, 49xx, 50xx, 97xx. Auto body repair and coating operations, and the associated SICs, 5511 through 5521, 7532, and 7535, are reported under Phase 2.	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.	20 pounds of tert-butyl acetate used per year
15	1	Use of parachlorobenzotrifluoride (PCBTF) in cleaning or degreasing solvents, adhesives, printing inks, or coating operations. PCBTF from auto body repair and coating operations are reported under the Phase 2 category for that process.	Any Auto body repair and coating operations, and the associated SICs, 5511 through 5521, 7532, and 7535, are reported under Phase 2.	Any	5 pounds or 0.5 gallon of parachlorobenzotrifluoride used per year

Table E-3. Sector Phases and Activity Level Reporting Thresholds for Facilities Emitting Less Than 10 Tons of Criteria Pollutants

Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
16	1	Solvent cleaning and degreasing	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	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	Use of solvents that are a listed substance designated as a human carcinogen or potential human carcinogen: Any activity level. 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.
17	2	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; production of polyurethane foam; and isocyanates from auto body repair and coating operations.	24xx, 25xx, 26xx, 27xx, 28xx, 30xx, 33xx, 347x, 36xx, 37xx, 38xx, 39xx, 45xx, 50xx, 51xx, and 97xx, and auto body repair and coating operations, and the associated SICs, 5511 through 5521, 7532, and 7535.	321xxx, 322xxx, 32311x, 324xxx, 325xxx, 326xxx, 3279xx, 331xxx, 334xxx, 335xxx, 3361xx, 3364xx, 3366xx, 339xxx, 481xxx, 4881xx, 4883xx, 5417xx, 8114xx, 92811x, and auto body repair and coating operations, and the associated NAICS, 4411xx, 44121x, 441228, 44131x, 811111, and 811121.	Use of materials containing 3 pounds of isocyanates per year

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Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
18	2	Printing and publishing including print shops and miscellaneous commercial printing	2711 through 2771, 2782	313310, 32311x, 5111xx, 51223x, 561439, 81292x	Use of graphic arts materials with no isocyanates: Annual average of 2 gallons per day. Use of graphic arts materials with isocyanates: Annual average of 0.5 gallons per day.
19	2	Hazardous waste treatment, storage, disposal and recycling at a hazardous waste treatment, storage, disposal and recycling facility ¹	Any	Any	Any activity level
20	2	Welding, laser cutting and plasma cutting of metal materials	1799, 3356, 3496, 3541, 3542, 3544, 3548, 3699, 7692,	325998, 331491, 332313, 333514, 333517, 333922, 335311, 811310,	Any activity level
21	2	Construction aggregate processing, if asphalt products are also used or produced	1442 through 1446	212321 and 212322	Any activity level
22	2	Chemicals and allied products manufacturing	2812 through 2899	211112, 311942, 331311, 325xxx	Any activity level
23	2	Bulk petroleum storage and loading, bulk benzene storage and loading, and related wholesalers	5171, 5172	4247xx	Any activity level
24	2	Polybrominated biphenyl compounds (PBBs), and any brominated diphenyl ethers, manufacture or use	Any	Any	Any activity level
25	2	Use of ethylene oxide for sterilization	Any	Any	Any activity level
26	2	Leather and hide tanning and finishing, processing and fabricated goods	3111	316110	Any activity level
27	2	Retail sale of gasoline	Any	Any	25,000 gallons of gasoline sold per year

¹ “Hazardous waste treatment, storage, disposal and recycling facility” means any facility as defined by “hazardous waste facility” in Health and Safety Code section 25117.1 and in title 22, California Code of Regulations (CCR), section 66260.10 except: (1) transfer stations (as defined in the same section) that do not pump or package hazardous waste; and (2) storage facilities (as defined in Health and Safety Code, section 25123.3) that store only containerized waste.

Table E-3. Sector Phases and Activity Level Reporting Thresholds for Facilities Emitting Less Than 10 Tons of Criteria Pollutants

Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
28	2	Auto body repair and coating operations at auto body shops, including new and used car dealers	5511 through 5521, 7531, 7532, 7535	4411xx, 44121x, 441228, 44131x, 811111, 811121	50 gallons of paint used per year
29	2	Medical services, hospitals, and related facilities which use formaldehyde (or formalin), glutaraldehyde, ethylene oxide, or diesel engines	8011 through 8099	62xxxx	110 pounds of formaldehyde emitted per year, or 110 pounds of glutaraldehyde emitted per year, or any use of ethylene oxide, or 30 gallons of diesel fuel burned or 5 hours of engine non-emergency operation per year.
30	2	Flat glass manufacturing	3211	327211	100 pounds of glass production
31	2	Pressed and blown glassware manufacturing	3229, 3221	327212, 327213	100 pounds of glass production
32	2	Clay ceramics manufacturing	3253, 3261	327120, 327110	1 ton of product manufactured
33	3	Hexavalent chromium use in cooling towers	Any	Any	Any activity level
34	3	Incineration of hazardous, municipal, or biomedical waste, or tires	Any	Any	Any activity level
35	3	Cremation of humans or animals	7261, 6531, 8699	812220	Any activity level
36	3	Fiberglass and various fiberglass materials and product manufacturing	2221, 3229	326191, 326199, 337125	Any activity level
37	3	Pulp and paper manufacturing	2611, 2621, 2631	3221xx	Any activity level
38	3	Semiconductors and related devices manufacturing	3674	334413	Any activity level
39	3	Oil and gas extraction or production	1311 through 1389	211xxx, 213111, 213112	Any activity level
40	3	Melting, smelting, recovery, reclamation, or recycling of lead-containing materials, including but not limited to lead batteries	3300 through 3499, 3690 through 3699, 3714, 3728, 5051, 5093, 9711	331410, 331492, and 423930	Any activity level

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Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
41	3	Primary or secondary metal melting, smelting, refining, alloying, forging, or foundry/casting operations	3300 through 3499, 3690 through 3699, 3714, 3728, 5051, 5093, 9711	331410, 331492, 33151x, 33152x, and 423930	Any activity level
42	3	Prepared feed manufacturing	2048	321119	One ton of product manufactured
43	3	Wood preserving	259x	321114, 3212xx	Any activity level
44	3	Long term asbestos removal on a routine and predictable basis	Any	Any	One year duration
45	3	Combustion of residual, distillate, or diesel oil in agricultural operations-related industry sectors	0110 through 0762	1111xx, 1112xx, 1113xx, 1114xx, 1119xx, 1121xx, 1122xx, 1123xx, 1124xx, 1125xx, 1129xx, 1151xx, and 1152xx	Tier 4 or higher diesel engines: 100 gallons of fuel combusted per year, or 5 hours per year of non-emergency operation. Tier zero through tier 3 diesel Engines: 30 gallons of fuel combusted per year, or 5 hours per year of non-emergency operation. Combustion devices other than compression ignition engines: 100 gallons of fuel combusted per year.
46	3	Boat and ship building and repair	3731, 3732	336611, 336612, 488390, 811490	1 gallon of coatings used per year
47	3	Combustion of natural gas or propane	Any	Any	75 million standard cubic feet or 77,000 MMBtu combusted per year
48	3B	Collection and disposal of refuse	4953	5622xx, 562920	1 pound of vinyl chloride or 1 pound of benzene emitted per year
49	3B	Composting of organic waste	2875, 4953	325314, 562212, 562219	Over 500 tons per year of material composted
50	3B	Recycling facilities, and material recovery facilities that separate organic waste from recyclable materials	4953	562212, 562920	Facilities where putrescible material is retained on-site for more than 24 hours prior to removal or disposal in a landfill

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Sector No.	Sector Phase	Process or activity	SIC Code(s)*	NAICS Code(s)*	Activity Level Reporting Threshold
51	3B	Scrap and waste wholesale handling and recycling, including but not limited to junk metals, shredding operations, and auto dismantling	5093	423930	40,000 tons of metal shredded per year or 1,000 tons of metal recycled per year
52	3B	Wastewater treatment at wastewater treatment plants ² , including incineration of sludge	4952	221320	Covered systems: 10 million gallons annual average daily flow. Uncovered systems: 5 million gallons annual average daily flow. Facilities that incinerate sludge: Any activity level.
53	Any	Facilities identified by districts under Section II.E.(3)(a)	Any	Any	Any activity level identified by the district under section II.E.(3)(a).

² A covered system wastewater treatment plant has a covering over the physical area where the primary settling process occurs in the wastewater treatment process, such as sedimentation tanks. The primary tanks may be sealed or covered with a fixed, floating, or retractable covering and shall be air tight, thus preventing emissions from being released into the air.