

Addendum to the Final Statement of Reasons for Rulemaking

Public Hearing to Consider Amendments to the Emission Inventory Criteria and Guidelines Report for the Air Toxics "Hot Spots" Program

Public Hearing Date: November 19, 2020
Agenda Item No.: 20-12-2
Addendum Prepared: March 21, 2022

I. Non-Substantial Modifications

The non-substantial modifications described below clarify and do not materially alter the requirements, rights, responsibilities, conditions, or prescriptions contained in the amendments as adopted by the California Air Resources Board (CARB) and approved by the Office of Administrative Law (OAL). (See Cal. Code Regs., tit. 1, § 40)

After the October 6, 2021, submission to OAL, the following non-substantial modifications were made:

Title 17, California Code of Regulations § 93300.5. Incorporation by Reference.

- Updated Authority and Reference Note to add Health and Safety Code sections 44362 and 44391 to our Referenced sections. Also, removed citation to other sections of Title 17 in the Reference section of the Note.

Emission Inventory Criteria and Guidelines Report (EICG Report)

- Updated note to add language also explaining that page numbers in the Table of Contents are subject to change accordingly per the page numbers in brackets once amended text is added as final and more importantly once repealed text is actually deleted.
- Updated the Effective Date of the EICG Report to state, "March 21, 2022."
- Ensured all instances of "ARB" being amended to "CARB" accurately underline the "C" to show it is a change per these amendments.
- Added underline on page i to the first two lines for the Table of Contents sections marking the page for the title and the Table of Contents as these are new entries being made with these amendments.

- Similarly, updated text to accurately underline new language and/or subsections newly listed in the Table of Contents in the following areas:
 - Section II.E.(2): added underline to “or amended in” before Appendix E.
 - Section II.H.: added underline to “, and Phase-In Provisions” and underlined page number.
 - Section II.H.(1)-(5): ensured entirety of the text for these subsection titles and page numbers underlined to show as new text per these amendments.
 - Section III.C.: added underline to “a ” before “Class” as well as “Described with “Any” for SIC Code(s) or NAICS Code(s),”
 - Section VIII.G.-K.: ensured entirety of the text for these subsection titles and page numbers underlined to show as new text per these amendments.
 - Section IX.D. and Section IX.D.(1): added underline to “C” in “CARB”
 - Section IX.H.: ensured entirety of the text for this subsection title and page number underlined to show as new text per these amendments.
- In Appendices List, Appendix E: added a space between “Emitting” and “Less” for proper grammar.
- In Section I, subsection A., page [1], deleted a comma after “incorporated by reference” in the last paragraph on the page for proper grammar.
- In Section I, subsection A., page [2], in the “Regulatory Updates” to “Appendix A – List of Reportable Substances,” the word “categories” was changed to “definitions” in order to be consistent with other language in the regulatory documents.
- In Section I, subsection B., page [6], in Figure-1, in the top righthand column, added underline to a hyphen “-” between “B” and “II” to indicate this mark as newly added text per these amendments.
- In Section I, subsection B., page [7], in Figure-2, added underline to “Update” between “and” and “Reporting” in the title of Figure 2.
- In Section II, subsection C.(1)(a), page [9], added back in the text a period and struck it out as this mark was in the current text and has now been updated to accurately show it is being removed with these amendments.
- In Section II, subsection E.(1)(a), page [12], added back in the text a semicolon and struck it out as this mark was in the current text and has now been updated to accurately show it is being removed with these amendments.
- In Section II, subsection E.(1)(b), page [12], added underline to “(b)” to fix what appears to have been a formatting error from earlier where “(b)” is shown as struck. Subsection “(b)” is still part of these amendments.

- In Section II, subsection E.(2), page [12], added underline to a period at the end of the last sentence of the first paragraph to accurately reflect this change as new text per these amendmetns.
- In Section II, subsection E.(2)(a), page [12], removed underline from semicolon at end of this subsection to reflect that this text is part of the current text and not part of these new amendments.
- In Section II, subsection H.(2), page [15], the language, “specified in Appendix A-I” was added in relation to “chemical functional group definitions” to reaffirm the location where the chemical functional groups that are subject to these provisions are listed. In other words, the particular functional groups that are subject to the EICG are explicitly listed at the end of Appendix A-I under the line that reads “And the following functional groups” beginning on page A - [42].
 - In order to be consistent, the same change was made in Section II, subsection H.(3), page [15], subsection J.(3)(a)(i), page [17].
 - Similarly, in Section VIII, subsection E.(3), page [55], language was changed from “definition of an applicable functional group class” to “definition of a chemical functional group as specified in Appendix A-I” to be more consistent with changes made as noted directly above.
- In Section II, subsection H.(4), page [15], added “(as authorized by Health and Safety Code Section 44321, subdivision (f))” after “if appropriate” to reaffirm that the addition of a substance to the “List of substances” must meet the criteria specified explicitly in Health and Safety code Section 44321 titled “List of substances.” Health and Safety Code Section 44321 (effective since 2003) is noted in this regulation’s Authority and Reference and gives CARB (as the “state board”) authority to “maintain and compile a list of substances” which is based on many factors. Based on the language of the statute, CARB will then determine if the addition of a new substance is appropriate.
- In Section II, subsection H.(5)(a), page [16], added the text “(S-UP) Information” after “Supplemental Use and Production” and deleted “(S-UP)” after “Form” to more accurately reflect (and be consistent with) language as used elsewhere in this text.
- In Section II, subsection J.(3)(a)(iv) and (v), page [17], added “as determined by the district” to the end of each respective subsection in order reaffirm that the determination of a “significant change” is the responsibility of the district per statute. Health and Safety Code Sections 44344.4 and 44344.7 (effective since 1997), which are noted in this regulation’s Authority and Reference, give discretion to districts to conduct assessments and determine risk, thus determining when a change is significant.
 - For consistency of regulatory language, these changes are also being made to Section IV., subsection (A)(3)(a)(iv) and (v), respectively.

- Similarly, Section XI, subsection C.(2)(b), page [82], is also adding this language to be consistent with the updated language noted above in reference to a “significant risk” being the responsibility (per statute) of the district to determine.
- In Section III, subsection A.(1), page [20], added back “[these sections address facilities emitting 25 or more, or 10 or more, tons per year, respectively, of criteria pollutants]” which is language from the current regulation that was erroneously omitted from these amendments due to a formatting error related to text in square brackets (“[]”). This language was not intended to be amended or repealed so we have added the language back now to be consistent with current regulatory text.
 - Similarly, in subsection A.(1)(a), page [20], added back “[these sections address, respectively, facilities on district toxics survey lists and facilities emitting less than 10 tons per year of criteria pollutants]” for the same reasoning as above.
 - Similarly, in subsection B.(1)(a), page [21], added back “[these sections address facilities emitting 25 or more, 10 or more, or less than 10 tons per year of criteria pollutants, respectively]” for the same reasoning as above.
 - Similarly, in subsection C.(1)(a), page [21-22], added back “[these sections address facilities emitting 25 or more, 10 or more, or less than 10 tons per year of criteria pollutants, respectively]” for the same reasoning as above.
- In Section IV, subsection A.(1)(a), page [23], removed strikeout mark from “s” at the end of “Air Toxics” to ensure consistency of referenced guidelines.
- In Section IV, subsection A.(1)(c), page [24], added underline to “).” at end of subsection to reflect that this added language is part of these amendments.
- In Section IV, subsection A.(1)(d)(iii), page [26], added underline to the period at end of subsection to reflect that this added language is part of these amendments.
- In Section IV, subsection A.(5), page [30], added underline to the period at end of subsection to reflect that this added language is part of these amendments.
- In Section IV, subsection B.(1)(c)(i), page [31], added strikeout to apostrophes bookending “Hot Spots” and added “Program” after to be consistent with updated language/title elsewhere in these amendments.
- In Section V, subsection C.(1)(a)(ii), page [36], added underline to the period at end of subsection to reflect that this added language is part of these amendments.
- In Section V, subsection H.(3)(k), page [40], added underline to the first parenthesis “(” at for “(k)” to reflect that this added language is part of these amendments.

- In Section VIII, subsection J., page [59], added “(pursuant to Section II)” after “subject to EICG Hot Spots applicability provisions” in order to reaffirm what applicability provisions are being referenced here.
- In Section IX, subsection A.(2)(a), page [60], updated the revision number for “EPA Method 6010D” to “Revision 5” to be consistent with the updated version incorporated as dated 2018. Also, removed underline notation from the comma after “Revision 5” to show that this comma is not new text but part of the current text. The updated version was accurately noticed with the updated date but the revision number was erroneously left unchanged during these regulatory amendments. Also, “dated” for this incorporated document is now being shown as struck out since this language is in the current regulation and was intended to be deleted (struck) in order to be consistent with how dates are being amended within this subsection. Removed underline from “Test Methods for Evaluating Solid Waste” for proper formatting to show this language (as shown as being struck/deleted) is being removed per these amendments.
- In Section IX, subsection A.(2)(c), page [60], updated reference to ASTM Method “E 776-16” by deleting the “D” and replacing with the “E” to ensure accuracy of the document being incorporated.
- In Section IX, subsection G.(1)(a), page [69], added underline to the period at end of “releases at a facility” to reflect that this added language/mark is part of these amendments.
- In Section IX, subsection H.(3), page [71], added “specified in Section VIII.E.” to the end of this subsection relating to “required degree of accuracy” to reaffirm, for the convenience of the reader, that Section VIII.E, entitled “Emission Quantification and Degree of Accuracy” is the EICG section where the ‘degree of accuracy’ requirements are specified.
 - Similarly, in Section IX, subsection H.(8), page [72], the same language as noted above was added at the end of this subsection to be consistent with updated language related to “required degree of accuracy.”
- In Section IX, subsection H.(7), page [72], added “as determined by the facility operator” after “relevant open sources” to reaffirm that this determination lies with the facility operator per the two-step process, in which the first step includes a requirement for the facility operator to develop an emission inventory plan for review by the district and CARB. Further, the term “open sources” is a commonly understood term by the regulated community because they have large emitting surfaces that are open to the air (e.g., open basins for sewage treatment, open pits for landfills, and open piles of materials for recycling and composting).
- In Section X, subsection (20)(c), page [76], added “as determined by the district” relating to emergency use in order to reaffirm that is a responsibility of the district per statute.

- In Section X, subsection (21), page [76], added underline to “Safety Data Sheet” to reflect that this added language is part of these amendments.
- In Section X, subsection (23), page [76], replaced the word “regulation” with “document” in the last sentence for improved syntax.
- In Section X, subsection (24), page [76], removed strikeout mark from “s” at the end of “Air Toxics” to ensure consistency of referenced guidelines.
- In Section X, subsection (28), page [77], updated the title of the document incorporated by reference to align exactly with the title of the document and reformatted the explanatory language that provides context that the Appendix C document was part of the Initial Statement of Reasons for the Report of the Criteria Air Pollutants and Toxic Air Contaminants Regulation. Also, added underline to the period at the end of this subsection to reflect it as new text being added per these amendments.
- In Section X, subsection (29), page [77], added underline to the “s” at end of “SIC Codes” as well as underling the “y” in “classify” to reflect it as new text being added per these amendments. Also, updated the amended language in the definition to reaffirm that CARB is not incorporating a new document but simply explaining an alternate avenue for accessing the same information previously incorporated.
- In Section XI, subsection C.(2)(a), page [82], staff realized that the previously proposed amended text adding a new sentence to the end of the section was not noticed correctly. However, upon further evaluation, staff found the proposed revision to not be necessary, because Section VIII.F(5) entitled “Diesel and Gasoline Engine Exhaust” already provides the reporting instructions for emissions from diesel engine exhaust.
- In Section XI, subsection C.(2)(c), page [82], Added underline to “(c)” to reflect this language is being added per these amendments. Also, inserted “the above” and deleted an errant period when referencing section XI.C.(2)(a) (originally referenced as “section IX.C.(2).(a)”) to improve syntax and accuracy of the citation.
- In Section XI, subsection C.(2)(c)(i), page [82], updated the citation in this subsection (and added “this”) to accurately point to itself and state, “this section XI.C.(2)(c)(i)” instead of the previously stated “section XI.C.(1)(c)(i)” which does not exist.
- In Section XI, subsection C.(2)(d), page [82], updated this subsection to accurately reflect it as subsection “(d)” instead of a second consecutive subsection “(c)” as was previously stated in our text for improved formatting. Also, added “the above” to reaffirm that we are pointing to section XI.C.(2)(a) in this subsection so it now reads “in the above section XI.C.(2)(a).” Finally, the language “as determined by the district” is being added for the same reasons as noted earlier these non-substantial modifications regarding “significant risk”

to be consistent and to reaffirm that this determination is the responsibility of the districts (per statute).

Appendix A - List of Substances

- Added underline to cover pages titled “Appendix A List of Substances,” “Appendix A-I Substances for Which Emissions Must be Quantified,” “Appendix A-II Substances for Which Production, Use, or Other Presence Must be Reported,” and “Appendix A-III Substances Which Need Not be Reported Unless Manufactured by the Facility” since this is new text for this document. The text and formatting of this new language has been consistent throughout the rulemaking and was erroneously not underlined in prior iterations.
- In Appendix A-I, page A - [1], added underline to the forward slash “/” regarding “53963 2-Acetylaminofluorene [PAH-Derivative/Related, POM]” to show that the “/” is new language added with these amendments. With these amendments CARB added “/Related” to this substance name and erroneously did not underline the “/” (“Related” was accurately underlined for the duration of this rulemaking).
 - Similarly, and also on page A – [1], added underline to the forward slash “/” regarding “117793 2-Aminoanthraquinone [PAH-Derivative/Related, POM]” for the same reasons as above.
- In Appendix A-I, page A - [2], added underline to the semicolon regarding “Asbestos (all forms; see Mineral fibers)” to show that the “;” is new language added with these amendments. With these amendments CARB added “all forms;” to this substance name and erroneously did not underline the “;” (“all forms” was accurately underlined for the duration of this rulemaking).
- In Appendix A-I, page A - [8], added underline to the entry beginning with “82688 Pentachloronitrobenzene (Quintobenzene)” to accurately reflect an additional location for this substance. This substance was already in Appendix A-I (see page A - [27]) listed alphabetically so this alternate location (under Chloronitrobenzenes) is merely for ease of reference.
- In Appendix A-I, page A- [19], added underline to the entry beginning with “26471625 Toluene diisocyanates including but not limited to:” to accurately reflect an additional location for this substance group heading. Similar to above, this substance group heading was already in Appendix A-I (see page A - [40]) listed alphabetically so this alternate location is merely for ease of reference.
- In Appendix A-I, page A- [23], struck out Emittent ID 302705 and added underline to the new Emittent ID (126852) for Nitrogen mustard N-oxide. (Note: the number in the Emittent ID field for a substance is intended to be the unique CAS number assigned by the Chemical Abstracts Service (CAS) to uniquely identify individual chemicals. The Chemical Abstracts Service and its CAS registry numbers are widely recognized by the regulated community as the authoritative source for accurate chemical names, structures, and CAS registry

numbers. This update to include the correct CAS number ensures consistency with how this chemical is referred to elsewhere, and with what the regulated community would expect to see for its CAS number, and what the regulated community would have determined on their own.)

- In Appendix A-III, page A- [57], added underline to the entry that begins with “94780 Phenazopyridine 11/20” and also added underline to new Emittent ID “136403” for the entry corresponding to Phenazopyridine hydrochloride to reflect the correct Chemical Abstracts Service (CAS) numbers that CAS assigns to each of these chemical substances, respectively. CAS has begun to assign different CAS numbers for both the chemical and its associated hydrochloride, which simply represent two contexts of the same chemical. (See Note above for more information on the Chemical Abstracts Service).
- In Notes to Appendix A, Note [6], page A- [62], added a semicolon (and deleted the colon that was there) after both “Labor Code section 6382(b)(1)” and “HSC section 25249.8),” respectively, for consistent formatting within the note.
- In Notes to Appendix A, Note [7], page A- [62], removed underline from the period at the end of the first paragraph ending with “insoluble cobalt compounds.” The period was already in the text and was not new with these amendments. Also, updated the underline in the two paragraphs starting with “For unspecified metal...” and “For specific, individually listed...” to revert back to what was shown in the 45-Day and 15-Day language. The version originally submitted as final to OAL on October 6, 2021, erroneously had the entirety of the paragraphs underlined; however, only “ or Cobalt oxalate” is new text as of these amendments (accurately noted in earlier 45-Day and 15-Day version).
- In Notes to Appendix A, Note [13], page A- [63], added a hyphen back into the text between “Hydrocarbron)” and “An organic” to align with the currently approved version of the text. Also, added underline to the last sentence in Note [13]. This text was accurately underlined in earlier noticed versions (both the 45-day and 15-day) but was erroneously not underlined in the final version submitted to OAL.
 - Similarly, in Note [14], page A - [64], added a hyphen back into the text between “Derivative)” and “An organic” to align with the currently approved version of the text. Also, added underline to its last sentence for the same reason as above.
- In Notes to Appendix A, Note [21], page A- [64], added “on the” before “CAS List” at the end of the sentence to improve syntax.
- In Notes to Appendix A, Note [23], page A- [65], For improved punctuation, added periods to the end of sentences starting with “ChemSet-1” and “A cross reference.” Also, removed the square brackets around the dates within this note, as the square brackets were only intended to be placeholders for when

the regulation was approved by CARB. Square brackets have been removed and only the CARB approval date of 11/20 remains.

Appendix B – I - Data Elements and Formats

- In the title header directly below “Appendix B-I,” on page B-I – [1], removed the underline from the quotation marks in “Hot Spots” as that was an erroneous mark leftover from the previous amendments (the changes were made previously and thus do not need to be marked here in this rulemaking).
- In the “I. FACILITY INFORMATION” table on page B-I – [1], removed “k” from “km” in the “Data Element” column for both “UTM EAST COORDINATE” and “UTM NORTH COORDINATE” since those (similar to directly above) were made and approved in the previous amendments and thus do not need to be shown here in this rulemaking.
- In the text directly below the “VII. BUILDING DOWNWASH INFORMATION” Table, on page B-I – [7], added a space between “POINT” and “ID” to be consistent with the term as noted in the table and added a period at the end of the sentence for proper punctuation/grammar.

Appendix C - Facility Guideline Index (Facility "Look-Up" Table)

- Updated the formatting of the page numbers at the beginning of Appendix C to change from double strikethrough to single strikethrough (e.g., C – [2] to C – [33]).
- In the struck language at the beginning of Appendix C-I, on page C-I – [1], removed errant underline from text intended to be deleted (struck) with these amendments. More specifically, the following language had underline removed:
 - “Diesel PM” in FUEL/WASTE COMBUSTION, in the “Specific Substances” column starting with, “Arsenic, BaP & other PAHs...”
 - “Arsenic, Benzene, BaP & other PAH (see Note 2)” in FUEL/WASTE COMBUSTION, in the “Types of Emissions” column.
 - “Arsenic, Benzene, BaP & other PAH (see Note 2)” in FUEL/WASTE COMBUSTION, in the “Specific Substances” column.
- The following rows (as noted directly below) have had the last sentence of the far right column (“Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)”) changed from “Any other listed substances” to “All listed substances specified in Appendix A.” This language reaffirms that “Appendix A – List of Substances” is the accurate location to determine listed substances subject to reporting by facilities.
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces, “Anthracene oil or paste...” on page C-I – [6]
 - In Appendix C-I, SOLVENT USE, Miscellaneous Use, “Acetaldehyde, Acetic acid, Acetonitrile...” on page C-I – [11]

- In Appendix C-I, SOLVENT USE, Degreasing Operations, Gaseous and aerosol organic compounds including but not limited to: "Benzene, Bromoform, t-Butyl acetate..." on page C-I – [12]
- In Appendix C-I, OTHER PROCESSES, Wastewater Treatment, "Acrylamide, Ammonium sulfate, Benzene..." on page C-I – [22]
- In Appendix C-II; Chemical Manufacturing (SIC 28xx); Miscellaneous (SIC 28xx, 2899); "Acetaldehyde, Acetic acid, Acrolein..." on page C-II – [49]
- In Appendix C-II; Chemical Manufacturing (SIC 28xx); Drug/Pharmaceutical Manufacturing (SIC 283x); Miscellaneous. Any/all operations, especially Blender, Drying Ovens, Formulator, Other Process Reactors (SIC 283x, 2834), "Acetoacetanilide, Acetonitrile, Acetophenone..." on page C-II – [56]
- In Appendix C-II; Clay, Glass & Stone Products (SIC 32xx); Miscellaneous (SIC 32xx); "Acetaldehyde, Acrolein, Ammonia..." on page C-II – [79]
- In Appendix C-II; Colleges & Universities (SIC 822x); Miscellaneous; "Benzene, Carbon tetrachloride, Chloroform..." on page C-II – [82]
- In Appendix C-II; Electrical & Electronic Equipment (SIC 36xx); "Acetaldehyde, Acrolein, Acrylamide..." on page C-II – [85]
- In Appendix C-II; Electric, Gas, & Sanitary Services (SIC 49xx); "Acetaldehyde, Acrolein, Acrylonitrile..." on page C-II – [90]
- In Appendix C-II; Machinery Manufacturing, Except Electrical (SIC 35xx); "Acetaldehyde, Acrolein, Ammonia..." on page C-II – [103]
- In Appendix C-II; Metal Product Fabrication (SIC 34xx), "Acrolein, Acrylonitrile, Ammonia..." on page C-II – [111]
- In Appendix C-II; Metal Smelters & Foundries (SIC 33xx, 10xx), "Acrolein, Ammonia, Arsenic..." on page C-II – [114]
- In Appendix C-II; Mining of Non-Metals (SIC 14xx); Miscellaneous (SIC 14xx, 1499) "Acetaldehyde, Acrolein, Aluminum..." on page C-II – [125]
- In Appendix C-II; Oil and Gas Extraction (SIC 13xx); "Acetaldehyde, Acrolein, Acrylamide..." on page C-II – [129]
- In Appendix C-II; Paper & Allied Products Manufacturing (SIC 26xx); Gaseous/aerosol/particulate releases including but not limited to: "Acetaldehyde, Acrolein, Ammonia..." on page C-II – [130]
- In Appendix C-II; Petroleum & Coal Products (SIC 29xx); "Acetaldehyde, Acrolein, Ammonia..." on page C-II – [136]
- In Appendix C-II; Publicly Owned Treatment Works (POTWs) (SIC 4952); Miscellaneous; "Acrylonitrile, Benzene, Bromate..." on page C-II – [140]

- In Appendix C-II; Rubber & Misc Plastics Products (SIC 30xx); “Acetaldehyde, Acrolein, Acrylonitrile...” on page C-II – [143]
- In Appendix C-II; Transportation Equipment Manufacturing/Repair (SIC 37xx, 75xx, 753x, 7699); “Acetaldehyde, Acrolein, Acrylonitrile...” on page C-II – [153]
- The following rows (as noted directly below) have had the last sentence (or second to last sentence) of the far right column (“Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)”) changed from “Any other listed metals” to “All listed metals specified in Appendix A.” This language reaffirms that “Appendix A – List of Substances” is the accurate location to determine listed metals subject to reporting by facilities.
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces; Coal-fired; Particulate metals including but not limited to: “Arsenic, Beryllium, Cadmium...” on page C-I – [6]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces; Gaseous and particulate substances including but not limited to: “Arsenic, Benzene, Beryllium...” on page C-I – [7]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces; Waste; “Arsenic, Benzene, Beryllium...” on page C-I – [7]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces; Natural gas-fired; Gaseous and particulate substances including but not limited to: “Acetaldehyde, Acrolein, Benzene...” on page C-I – [8]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces; Process gas-fired; Gaseous and particulate substances including but not limited to: “Benzene, Crotonaldehyde, Dioxins...” on page C-I – [8]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Boilers, Heaters, Kilns, IC Engines, Furnaces; Other Liquid-fired; From boiler corrosion inhibitor; “Heptachlor, Hydrazine, 2-Mercaptobenzothiazole...” on page C-I – [8]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Flares; Particulate metals including but not limited to: “Arsenic, Beryllium, Chromium...” on page C-I – [8]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Incinerators; Particulate metals including but not limited to: “Arsenic, Beryllium, Cadmium...” on page C-I – [9]
 - In Appendix C-I, FUEL/WASTE COMBUSTION, Incinerators; Hazardous Waste; “Dioxins, 1-Methylnaphthalene, Methylnaphthalene (mixed)...” on page C-I – [9]

- In Appendix C-I, FUEL/WASTE COMBUSTION, Incinerators; Hospital Waste; "Dioxins, Polychlorinated dibenzofurans, Radionuclides..." on page C-I – [9]
- In Appendix C-I, FUEL/WASTE COMBUSTION, Incinerators; Sludge; "Acrolein, Arsenic, Beryllium..." on page C-I – [10]
- In Appendix C-I, FUEL/WASTE COMBUSTION, Incinerators; Solid/Biomass Waste" on page C-I – [10]
- In Appendix C-I, FUEL/WASTE COMBUSTION, Incinerators; Waste-To-Energy; "Acrolein, Dibenzofurans, Dioxins..." on page C-I – [10]
- In Appendix C-I, OTHER PROCESSES, Surface Coating; Polymer & Resin Precursors Residues/Impurities; "Acrolein, Acrylonitrile, Benzofuran..." on page C-I – [21]
- In Appendix C-II, Agricultural Production (SIC 01xx, 02xx); "Ammonia, Ammonium chloride, Azoxystrobin..." on page C-II – [42]
- In Appendix C-II, Asphalt Materials Manufacturing (SIC 295x); Asphaltic Concrete Products (Including Asphalt Paving Materials Manufacturing) (SIC 2951); Gaseous, aerosol, and particulate releases from Batch Plants and Continuous Plants, Paving Operations "Aluminum, Benzene, Benzofuran..." on page C-II – [44]
- In Appendix C-II, Chemical Manufacturing (SIC 28xx); Carbon Black & Charcoal Manufacturing (SIC 2895); "Ammonia, Coal tar, Cobalt..." on page C-II – [52]
- In Appendix C-II, Clay, Glass & Stone Products (SIC 32xx); Cement Manufacturing (SIC 3241); Particulate, Gaseous, Aerosol Emissions including but not limited to: From stacks, feed to mill & air separator, kiln, dryers, grinders "Ammonium chloride, Barium sulfate, Benzene..." on page C-II – [80]
- In Appendix C-II, Clay, Glass & Stone Products (SIC 32xx); Cement Manufacturing; Clinker Cooler, Combustion Processes -- Also see Combustion, Appendix C I; "Benzene, Formaldehyde, Hydrogen chloride..." on page C-II – [80]
- In Appendix C-II, Metal Smelters & Foundries (SIC 33xx, 10xx); "Acrolein, Ammonia, Arsenic..." on page C-II – [114]
- In Appendix C-I, LIQUID STORAGE & TRANSFER (Fugitive Emissions); Process Vents; (on page C-I – [16]), the language in the far-right column has been updated from "Transported listed substances" to "Transported substances that are listed substances as specified in Appendix A. This language reaffirms that "Appendix A – List of Substances" is the accurate location to determine listed substances subject to this reporting requirement.
- In Appendix C-I, LIQUID STORAGE & TRANSFER (Fugitive Emissions); Tanks; Petroleum Products Tank Breathing; Gaseous and liquid petroleum products including but not limited to: "Benzene, EDC, Gasoline vapors..." (on page C-I –

[16]), the language at the end of the far-right column has been updated from "Stored listed substances" to "Stored substances that are listed substances as specified in Appendix A. This language reaffirms that "Appendix A – List of Substances" is the accurate location to determine listed substances subject to this reporting requirement.

- In Appendix C-I, LIQUID STORAGE & TRANSFER (Fugitive Emissions); Tank Cars and Trucks; Filling and Tank Breathing; Gaseous, liquid and volatile solids including but not limited to: "Each component of a mixture..." (on page C-I – [16]), the language at the far-right column has been updated from "Each component of a mixture that is a listed substance. Each pure organic stored or transferred that is a listed substance" to "Each component of a mixture that is a listed substance as specified in Appendix A. Each pure organic stored or transferred that is a listed substance as specified in Appendix A." This language reaffirms that "Appendix A – List of Substances" is the accurate location to determine listed substances subject to this reporting requirement.
- The following rows (as noted directly below) have had the last sentence of the far right column ("Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)") changed from "Any other additives" to "Any other additives that are listed substances as specified in Appendix A." This language reaffirms that "Appendix A – List of Substances" is the accurate location to determine what constitutes "any other additives."
 - In Appendix C-I, OTHER PROCESSES, Cooling Towers; Comfort Cooling, Process Cooling; Gaseous and aerosol releases possibly containing additives and including but not limited to: In part due to drift loss; "Bis(tributyltin) oxide, Bromine, Chloroform..." on page C-I – [17]
 - In Appendix C-I, OTHER PROCESSES, Drinking Water Treatment; "Anthracene oil or paste, Bromate, Bromochloroacetic acid..." on page C-I – [17]
- Removed erroneous underline from "ALL" at the beginning of the second full sentence of page C-II – [3] of Appendix C-II (starting with "ALL FACILITIES ARE...") as that language was not newly added with these amendments (part of the current regulatory text).
- In the struck language of Appendix C-II, removed errant underline from text intended to be deleted (struck) with these amendments. More specifically, the following language had underline removed:
 - In the middle of page C-II – [23], "metal spraying" in Metal Plating, in the "Type(s) of Emissions/Emitting Process Points" column stating, "Particulate metals including but not limited to: From electrocleaning, metal spraying, and plating"
 - In the middle of page C-II – [25] "" from the end of "Metal Smelters & Foundries - (for non-metals mining see Mining, Appendix C-II)"

- The following rows (as noted directly below) have had the last sentence of the far-right column (“Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)”) changed from “All relevant pesticides” to “All relevant pesticides that are listed substances as specified in Appendix A (see Note 19 of Appendix A).” This language reaffirms that “Appendix A – List of Substances” is the accurate location to determine what constitutes “all relevant pesticides” and helps further note the interaction for when a pesticide is “relevant” (per Note 19: “reporting is required except during the time it is acting as a pesticide”).
 - In Appendix C-II, Agricultural Production (SIC 01xx, 02xx); “Ammonia, Ammonium chloride, Azoxystrobin...” on page C-II – [42]
 - In Appendix C-II, Agricultural Services (SIC 07xx); Crop Preparation Services for Market (SIC 0723); “Aluminum phosphide, Carbonyl sulfide, Diphenylamine...” on page C-II – [43]
 - In Appendix C-II, Food Products Manufacturing (SIC 20xx); Grain Mill Products (SIC 204x); “Fusarium, Iron oxide...” on page C-II – [94]
- The following rows (as noted directly below) have had the last sentence of the far-right column (“Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)”) changed from “Any other listed Aromatic amine” to “All other listed Aromatic amines that are listed substances as specified in Appendix A.” This language reaffirms that “Appendix A – List of Substances” is the accurate location to determine listed aromatic amines subject to this reporting requirement.
 - In Appendix C-II, Petroleum & Coal Products (SIC 29xx); Petroleum Refineries; (4)Middle and Heavy Distillate Process. In addition to items (1) and (2): evaporation, stripper; “Acetaldehyde, Ammonia, Carbon black extracts...” on page C-II – [137]
 - In Appendix C-II, Petroleum & Coal Products (SIC 29xx); Petroleum Refineries; (5)Residual Hydrocarbon Processing. In addition to items (1) and (2): visbreaker furnace, process vent, stripper; “Acetaldehyde, Ammonia, Chromates...” on page C-II – [138]
- The following rows (as noted directly below) have had the far-right column (“Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)”) changed from “various solvents” to “Various solvents that are listed substances as specified in Appendix A (see also Appendix C-1, Solvent Use).” This language reaffirms that “Appendix A – List of Substances” is the accurate location to determine listed solvents subject to this reporting requirement as well as earlier in Appendix C (C-I).
 - In Appendix C-II, Wood Preservation (SIC 2491); Oil/Penta Process; Vapor drying agents; on page C-II – [159]
 - In Appendix C-II, Wood Preservation (SIC 2491); Oil/Penta Process; Preserving Carriers; on page C-II – [159]

- In Appendix C-II, All Other Industries; Gaseous releases from combustion, storage, handling, process vessels, etc (on page C-II – [162]), the language at the far-right column has been updated from “Feedstocks that are on list of substances or may contain listed substances as substances” to “Feedstocks that contain listed substances (see Appendix A).” This language removes confusing language without altering its original meaning and reaffirms that “Appendix A – List of Substances” is the accurate location to determine listed substances subject to this reporting requirement.
- The following rows (as noted directly below) have had the far-right column (“Some Specific Substances – Gaseous, aerosol, and particulate releases including but not limited (See Notes)”) changed from “Check all materials manufactured for components that are on listed substances” to “Check all materials manufactured for components that are listed substances (see Appendix A).” This language reaffirms that “Appendix A – List of Substances” is the accurate location to determine listed substances subject to this reporting requirement.
 - In Appendix C-II, All Other Industries; Particulate and aerosol releases from combustion, storage, handling, process vessels, etc (on page C-II – [162])
 - In Appendix C-II, All Other Industries; Process loss and fugitive releases anywhere along the process train; on page C-II – [162]

Appendix D - Source Testing: Summary of Requirements for Measurements and Alternatives

- In Note “(4)” on page D – [2], added “and testing” after “the protocol” to reaffirm that the “two-step test” consists of both the protocol AND testing (not just the protocol on its own). Also, we updated the note to point to EICG Section IX.H instead of the previously references Section IX.E. Section IX.H is a more direct reference to the “two-step test” language, whereas Section IX.E, while it pointed to Section IX.H, was not as accurate as initially intended.
- In Note “(7)” on page D – [3], added “proposed” after “other appropriate locations to now read as, “other appropriate locations proposed within the facility” to reaffirm that these locations would be part of the facility’s proposed emissions plan. Also, added “as specified in EICG Section IX.G.(1)(c)(iii)” regarding “appropriate engineering calculations” to reflect that this term is used previously in the regulatory materials. Lastly, added “(those not indented in the table below)” after “the water-test PFAS” and “(indented in the table below)” after “specified related airborne forms” to reaffirm the substances subject to this provision.
- In the table titled, “Target PFAS-related Substances for Alternative Wastewater Emission Testing” on page D – [3], added a comma after “and Acronym” in the first column header for improved grammar/syntax.

- In the table titled, "Target PFAS-related Substances for Alternative Wastewater Emission Testing" on page D – [5], added "Listed" after "for the Above" in the row now titled, "Other Synonyms Used for the Above Listed Chemicals" to reaffirm what chemicals are being referenced.
- In "12. Petroleum refineries – Oil Combustion" on page D – [9], removed errant underline from "5 (" and ")") in the column "Same as 5 (oil combustion)." This text as formatted is being deleted with these amendments (thus the text is struck and should not also be underlined).
- In row 2. of the Appendix D table ("Coal and coke combustion including incineration"), in the second and third column of the sub-row regarding "a-e above," and, "Requirements," respectively, on page D – [11], added "2." to "a-e" (and added periods after "a" and "e" for improved formatting) to further denote and reaffirm that requirements "a.-e." are exclusively in reference to the requirements listed directly above for "2. Coal and coke combustion..." and not any other such requirements in the table. Also, added a comma after "2.a.-e." in the middle column for improved grammar.
- In row 3. of the Appendix D table ("Residual and crude oil combustion and incineration"), in the second and third column of the sub-row regarding "a-e above," and, "Requirements," respectively, on page D – [12], added "3." to "a-e" (and added periods after "a" and "e" for improved formatting) to further denote and reaffirm that requirements "a.-e." are exclusively in reference to the requirements listed directly above for "3. Residual and crude oil combustion..." and not any other such requirements in the table. Also, added a comma after "3.a.-e." in the middle column for improved grammar.
- In row 4. of the Appendix D table ("Distillate and diesel combustion and incineration*"), in the second and third column of the two sub-rows regarding "a-c above," and, "Requirements," respectively, on page D – [12], added "4." to "a-c" (and added periods after "a" and "c" for improved formatting) to further denote and reaffirm that requirements "a.-c." are exclusively in reference to the requirements listed directly above for "4. Distillate and diesel combustion..." and not any other such requirements in the table. Also, added a comma after "4.a.-c." in the middle column for improved grammar.
- In row 5. of the Appendix D table ("Waste oil combustion and incineration*..."), in the second column of the sub-row regarding "g. PCBs/stack test...", on page D – [13], added "which is incorporated by reference in Appendix G" after "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values" to point to where in the regulatory text the document is incorporated and further information on the document can be found.
- In row 6. of the Appendix D table ("Wood, wood waste, and agricultural waste combustion and incineration*..."), in the second and third column of the two sub-rows regarding "a-d above," and, "Requirements," respectively, on page D – [13], added "6." to "a-d" (and added periods after "a" and "d" for

improved formatting) to further denote and reaffirm that requirements “a.-d.” are exclusively in reference to the requirements listed directly above for “6. Wood, wood waste, and agricultural waste combustion...” and not any other such requirements in the table. Also, added a comma after “6.a.-d.” in the middle column for improved grammar.

- In row 8. of the Appendix D table (which covers waste-water facilities), in the first column of the sub-row regarding “Unit processes...” and their two-step test requirements, on pages D – [13] – [14], we added the phrase “in the facility operator’s two-step protocol required by Section IX.H. of the EICG” after “or as proposed” to reaffirm that Section IX.H is the place in the EICG Report where the two-step process and protocol requirements are specified. In other words, under the two-step process for waste-handling facilities in Section IX.H, the facility operator is expected to identify the testing locations in their proposal, which will be reviewed by the districts and CARB. The EICG intentionally allows for site-specific customization of test locations for these types of facilities. We added the cross reference to Section IX.H for the convenience of the reader to reaffirm that Section IX.H is where the two-step process and protocol requirements are specified.
 - The same change is being made to row 21., sub-row regarding “Active areas...” on page D – [16];
 - The same change is being made to row 22., sub-row regarding “Unit processes...” also on page D – [16].
- In row 15. of the Appendix D table (“Pulp and Paper mfg.”), updated the title of row 15. To “Pulp and paper mfg.” to change “paper” to lowercase for improved punctuation.
- At the end of the first asterisk (*) footnote on page D – [17], updated the language to state, “required under entry 1(a) of this table” where it previously stated, “required under 1(a).” The updated language reaffirms that rows noted with a single “*” are also subject to the requirements established in “1. Incinerators (a) Incinerators burning hazardous...” on pages D – [10] – [11] of this appendix.
- In the third asterisk (***) footnote on page D – [17], inserted a comma and deleted a semicolon after “natural gas” for improved punctuation.

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

- At the end of the first stricken note (“(1) General Exclusions”) on page E – [1], added strikethrough to the period at the end of the second paragraph. This period was inadvertently not struck through initially but as it is part of a section being deleted with these amendments, we have added the correct strikethrough formatting to it now.

- At the top of page E – [4], added a stricken “0” to the Standard Industrial Classification Code “0723^h” to be accurate and consistent with the current Appendix E that we are amending. The “0” was inadvertently omitted from our original amendments and is being added back and struck through for accuracy.
- In the third asterisk (***) footnote on page E – [6], changed “2-step source testing” to “two-step source testing” for improved syntax and consistency with how this term is used throughout the regulatory documents.
- In footnote 1. at the bottom of page E – [12], removed a comma after both instances of “Health and Safety Code” for improved punctuation/syntax.
- In Table E-3, row for Sector No. 52 on page E – [15], in the “Activity Level Reporting Threshold” column, added a period after “Any activity level.” for improved punctuation.
- In the row for Sector No. 53 on page E – [15], in the “Process or activity” and “Activity Level Reporting Threshold” columns, changed “section” to “Section” for proper formatting/syntax.

Appendix F - Criteria and Protocol for Inputs for Risk Assessment Using Screening Air Dispersion Modeling

- In Section (C)(1) on page F – [3], changed “section IV.A.” to “Section IV.A” for proper formatting/syntax.
- In Section (C) on page F – [4], added underline to text and text boxes of Figures F-1 (in subsection (C)(1)) and F-2 (in subsection (C)(2)) to properly indicate the language is being added with these amendments. Figures F-1 and F-2 are discussed in the Initial Statement of Reasons on page 138 and due to a formatting error were not underlined in previous versions of the amendments.
- In Section (C)(2) on page F – [4], added underline to the period at the end of the first sentence and the space between the first and second sentence for proper formatting/grammar. Also, changed “section IV.A” to “Section IV.A” for proper formatting/syntax.
- In Section (D) on page F – [4], updated the strikethrough/underline formatting to properly note that the uppercase “T” for “the” has been changed to lowercase for these amendments. We originally had a contradictory strikethrough and underline, which has now been fixed to show the uppercase “T” as being struck.
- In Section (D) on page F – [5], struck out the period at the end of the only entire sentence being struck in that section. The period was erroneously omitted from the strikethrough text and was fixed to improve formatting/syntax. Updated the modeling systems incorporated by reference to not only point to where in the regulatory documents more information can be found (Appendix G) but also added data within this section to further note which model versions (and their dates) are being referenced with these amendments (as explained in Appendix G).

- In Section (E)(7), updated the titles, dates, and other information pertaining to the documents mentioned in this section that are incorporated by reference in these regulatory documents to ensure consistency with their titles, dates, and other information where they are incorporated in Appendix G (including updating language pointing to Appendix G).

Appendix G - List of Documents Incorporated by Reference

- In (2), page G – [2], spelled out ASTM as American Society for Testing and Materials and introduced the abbreviation since it was only abbreviated (but not fully spell out before) in our original amendments. Also, added dates to all the updated ASTM Methods; although the last two digits of the ASTM Methods incorporate the year it was reapproved/updated adding the date here simply reaffirms the authoritative date for the respective incorporated documents.
- In (3), page G - [2], updated the revision number for “Method 6010D” to “Revision 5” to be consistent with the updated version incorporated as dated 2018. The updated version was accurately noticed with the updated date but the revision number was erroneously unchanged during these regulatory amendments (same as in the EICG Report noted earlier). Also, “dated” for this incorporated document is now being shown as struck out since this language is in the current regulation and was intended to be deleted (struck) in order to be consistent with how dates are being amended within this subsection. Lastly, ensured the entirety of the last sentence was shown as struck through for proper formatting.
- In (5), page G – [2], deleted an unnecessary period at the end of the URL for proper formatting of the citation and accuracy of the URL.
- In (8), page G – [3], updated the title of the incorporated document to match exactly with the title of the document that is in the rulemaking file (adding “2009” and deleting “: Methodologies for derivation, listing of available values, and adjustments to allow for early life stage exposures”). Also, added a colon before the URL for proper punctuation.
- In (9), page G - [3], updated the title of the incorporated document to reflect exactly what CARB is incorporating with this amendment. Previously we incorporated the “Notice of Adoption of Technical Support Document for Exposure Assessment and Stochastic Analysis Aug 2012” (and its correlating URL) which included the “Technical Support Document for Exposure Assessment and Stochastic Analysis” but the updated language directly incorporates the technical support document and the updated URL also links directly to the entire technical support document. The information incorporated is not changing in any way, but it is now more streamlined than before.
- In (10), page G – [3], updated the title of the incorporated document to match exactly with the title of the document that is in the rulemaking file (adding “for Cancer Potency Factors, Appendix B”).

- In (12), page G – 3, added underline to the space between “includes the” and “Air Dispersion Modeling” for proper formatting. Also, added a comma after “May 1” for proper punctuation and deleted an extra/unnecessary forward slash (/) in the second URL between “classic” and “toxics” so now the URL is accurate. Lastly, added a space between the colon and the last URL for proper punctuation and deleted an unnecessary period at the end of the URL for proper formatting of the citation and accuracy of the URL.
- In (13), page G – [4], added strikethrough to show a deleted and unnecessary period at the end of the URL for proper formatting of the citation and accuracy of the URL.
- In (14), page G – [4], added a colon before the first URL for proper punctuation.
- In (17), page G – [4], deleted extraneous text for consistency across the other citations regarding URL location. Previous amendment stated, “available on the CARB’s Internet web site at:,” and now states, “located at:.” Lastly, deleted an unnecessary period at the end of the URL for proper formatting of the citation and accuracy of the URL.
- In (18), page G - [4], updated the title of the document incorporated by reference to align exactly with the title of document and instead added explanatory language to give context that the Appendix C document was part of the Initial Statement of Reasons for the Report of the Criteria Air Pollutants and Toxic Air Contaminants Regulation. This update is consistent with the edit made in the EICG Report for the same document regarding the definition for “Source Classification Codes.”
- Added “(19) North American Industry Classification System...” to be consistent with language that was included in Section X.(21.5) of the EICG Report, and was noticed with underlined text in the proposed amendments and also discussed in the ISOR, but was not included in the Appendix G list of documents. Nonetheless, the document was part of the rulemaking file and was available upon request if anyone had requested it. We also added the following text providing the URL as a courtesy to the reader: “located at: https://www.census.gov/naics/2017NAICS/2017_NAICS_Manual.pdf”

II. Documents Incorporated by Reference

A number of documents incorporated by reference were updated to accurately reflect the correct version being cited, to align exactly with the title of the document in the rulemaking file, update a broken/misspelled URL, or because the document may not have been cited correctly in all of the appendices in which it is mentioned. For ease of reference, the full/accurate list of incorporated documents is relisted below in its entirety to update what was originally posted in the Final Statement of Reasons.

The amended regulation adopted by the Executive Officer incorporates by reference the following document:

- AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Report (including all appendices), last amended August 18, 2021, incorporated by reference in Title 17, CCR, section 93300.5.

The following documents are incorporated by reference in the AB 2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines (EICG) Report:

- San Joaquin Valley Unified Air Pollution Control District Rule 2201 "New and Modified Stationary Source Review Rule", section 3.0 "Definitions", as amended February 18, 2016 (section 3.39 definition of facility "Stationary Source"). Incorporated in Section X(14)(b).
- American Society for Testing and Materials (ASTM) Methods: D 6721-01 (Reapproved 2015), and D 4239-18e (2018), to determine chlorine content and sulfur content of coal and coke samples, respectively. E 776-16 (2016), and E 775-15 (2015), to determine chlorine content and sulfur content, respectively, in wood, refuse-derived, and other solid fuel, waste, or material samples. D 808-16 (2016), and D 129-18 (2018), to determine chlorine content and sulfur content in other fuel or material samples. Incorporated in Section IX(A)(2)(d).
- U.S. EPA Methods: Method 7471B, Revision 2, February 2007, Final Update IV to the Third Edition of the Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, for mercury; Method 7010, Revision 0, February 2007, Final Update IV to the Third Edition of the Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, for selenium; Method 6010D, Revision 5, July 2018, Final Update VI to the Third Edition of the Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, for all other trace elements. Incorporated in Section IX(A)(2)(a).
- California Air Pollution Control Officers' Association (CAPCOA) "Air Toxics 'Hot Spots' Program Facility Prioritization Guidelines, August 2016", located at: <http://www.capcoa.org/wp-content/uploads/2016/08/CAPCOA%20Prioritization%20Guidelines%20-%20August%202016%20FINAL.pdf>. Incorporated in Sections IV(A)(1)(a) and X(24).
- Office of Environmental Health Hazard Assessment (OEHHA) and CARB: Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values (September 2019), located at: <https://www.arb.ca.gov/sites/default/files/classic/toxics/healthval/contable.pdf>. Incorporated in Appendix F(E)(7).

- OEHHA: "Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, February 2015", located at: <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>. Incorporated in Sections IV(A)(1)(b), IV(A)(1)(d)(i), IV(B)(1)(c)(i), X(18), and Appendix F(E)(7).
- OEHHA: "Acute, 8-hour and Chronic Reference Exposure Level (REL) Summary", November 2019, located at: <https://oehha.ca.gov/air/general-info/oehha-acute-8-hour-and-chronic-reference-exposure-level-rel-summary>. Incorporated in Appendix F(E)(7).
- OEHHA: "Technical Support Document for Cancer Potency Factors 2009" June 1, 2009. Available at: <https://oehha.ca.gov/air/crn/technical-support-document-cancer-potency-factors-2009>; and "Appendix A: Hot Spots Unit Risk and Cancer Potency Values", May 2019, located at: <https://oehha.ca.gov/media/CPFs042909.pdf>. Incorporated in Appendix F(E)(7).
- OEHHA "Technical Support Document for Exposure Assessment and Stochastic Analysis Aug 2012", August 2012, located at: <https://oehha.ca.gov/media/downloads/crn/exposureassessment2012tsd.pdf>
- OEHHA "p-Chloro- α,α,α -trifluorotoluene (p-Chlorobenzotrifluoride, PCBTF) Cancer Inhalation Unit Risk Factor Technical Support Document", August 2020, located at: <https://oehha.ca.gov/media/downloads/crn/pcbtfur080720.pdf>. Incorporated in Appendix F(E)(7).
- OEHHA "Notice of Adoption of Cancer Inhalation Unit Risk Factor for p-Chloro- α,α,α -trifluorotoluene", August 2020, located at: <https://oehha.ca.gov/air/crn/notice-adoption-cancer-inhalation-unit-risk-factor-p-chloro-aaa-trifluorotoluene>. Incorporated in Appendix F(E)(7).
- CARB's HotSpots Analysis and Reporting Program (HARP), located at: <https://www.arb.ca.gov/our-work/programs/hot-spots-analysis-reporting-program>; specifically, the Air Dispersion Modeling and Risk Tool (ADRM) dated 19121 - May 1 2019, located at: <https://www.arb.ca.gov/sites/default/files/classic/toxics/harp/software2/harp2admrt19121.zip>, Emission Inventory Module (EIM) v2.1.4, August 7, 2020, located at: <https://www.arb.ca.gov/toxics/harp/software2/harp2eim20200807.zip>. Both incorporated in Appendix F(E)(7).
- AERMOD (19191) modeling system, August 2019, located at: <https://www.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models#aermod>; specifically, the AERSCREEN (16216) model, December 2016, located at: <https://www.epa.gov/scram/air-quality-dispersion-modeling-screening-models#aerscreen>; BPIPPRM (19191) model, November 2019, located at: <https://www.epa.gov/scram/air-quality->

[dispersion-modeling-related-model-support-programs#bpipprm](#);

Incorporated in Appendix F(D).

- Health effects values for non-cancer risk assessment from the United States Environmental Protection Agency, Integrated Risk Information System (IRIS), last updated January 15, 2020, located at:
https://cfpub.epa.gov/ncea/iris_drafts/atoz.cfm?list_type=alpha.
- California Emission Inventory Data and Reporting System (CEIDARS, version 2.5, September 2005), available at:
<https://www.arb.ca.gov/app/emsinv/dist/doc/datadict.pdf>. Incorporated in Appendix G.
- CARB: "Appendix C – United States Environmental Agency Source Classification Codes," (October 1, 2018)" published by CARB as part of the "Initial Statement of Reasons: Public Hearing to Consider the Proposed Regulation for the Reporting of Criteria Air Pollutants and Toxic Air Contaminants," on October 23, 2018. Located at:
<https://ww3.arb.ca.gov/regact/2018/ctr2018/ctrappc.pdf>. Incorporated in Section X(28).
- North American Industry Classification System Manual, 2017, United States Office of Management and Budget, located at:
https://www.census.gov/naics/2017NAICS/2017_NAICS_Manual.pdf. Incorporated in Section X(21.5).

These documents were incorporated by reference because it would be cumbersome, unduly expensive, and otherwise impractical to publish them in the California Code of Regulations. In addition, some of the documents are copyrighted, and cannot be reprinted or distributed without violating the licensing agreements. The documents are lengthy and highly technical test methods and engineering documents that would add unnecessary additional volume to the regulation. Distribution to all recipients of the California Code of Regulations is not needed because the interested audience for these documents is limited to the technical staff at a portion of reporting facilities, most of whom are already familiar with these methods and documents. Also, the incorporated documents were made available by CARB upon request during the rulemaking action and will continue to be available in the future. The documents are also available from college and public libraries, or may be purchased directly from the publishers.