

Adopted 03/15/06
Revised 12/17/08
Revised 09/16/09
Revised 07/07/10
Revised 08/17/11
Revised 07/25/12
Revised 09/25/13

**MARICOPA COUNTY
AIR POLLUTION CONTROL REGULATIONS**

**APPENDIX G
Incorporated Materials**

1. The following test methods, protocols, federal interpretations, guidelines, and appendices located in Title 40, Code of Federal Regulations (CFR) are approved for use as directed by the department under the Maricopa County Air Pollution Control Regulations. These standards are incorporated by reference as of July 1, 2011, and no future editions or amendments.
 - a. 40 CFR 50;
 - b. 40 CFR 50, Appendices A-1, A-2, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, and T;
 - c. 40 CFR 51; Appendix M; Appendix S, Section IV; and Appendix W;
 - d. 40 CFR 52, Appendices D and E;
 - e. 40 CFR 53;
 - f. 40 CFR 58;
 - g. 40 CFR 58, Appendices A, C, D, E, and G;
 - h. 40 CFR 60, Appendices A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, B, C, D, F, G, and I;
 - i. 40 CFR 61, Appendices A, B, C, D, and E;
 - j. 40 CFR 63, all appendices; and
 - k. 40 CFR 75, Appendices A, B, C, D, E, F, and G.

2. The following are federally listed non-precursor organic compounds, organic compounds which have been determined to have negligible photochemical reactivity as listed in 40 CFR 51.100(s).
 - a. This list is incorporated by reference as of July 1, 2013, and no future editions or amendments:

| | |
|--|--|
| methane; | 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113); |
| ethane; | trichlorofluoromethane (CFC-11); |
| methylene chloride (dichloromethane); | dichlorodifluoromethane (CFC-12); |
| 1,1,1-trichloroethane (methyl chloroform); | chlorodifluoromethane (HCFC-22); |

| | |
|--|--|
| trifluoromethane (HFC-23); | 1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane (C ₄ F ₉ OCH ₃ or HFE-7100); |
| 1,2-dichloro 1,1,2,2-tetrafluoroethane (CFC-114); | 2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCH ₂ OCH ₃); |
| chloropentafluoroethane (CFC-115); | 1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (C ₄ F ₉ OC ₂ H ₅ or HFE-7200); |
| 1,1,1-trifluoro 2,2-dichloroethane (HCFC-123); | 2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF ₃) ₂ CFCH ₂ OC ₂ H ₅); |
| 1,1,1,2-tetrafluoroethane (HFC-134a); | methyl acetate; |
| 1,1-dichloro 1-fluoroethane (HCFC-141b); | 1,1,1,2,2,3,3-heptafluoro-3-methoxy-propane (n-C3F7OCH3, HFE-7000); |
| 1-chloro 1,1-difluoroethane (HCFC-142b); | 3-ethoxy- 1,1,1,2,3,4,4,5,5,6,6-dodecafluoro-2-(trifluoromethyl) hexane (HFE-7500); |
| 2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124); | 1,1,1,2,3,3,3-heptafluoropropane (HFC 227ea); |
| pentafluoroethane (HFC-125); | methyl formate (HCOOCH ₃); |
| 1,1,2,2-tetrafluoroethane (HFC-134); | 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300); |
| 1,1,1-trifluoroethane (HFC-143a); | propylene carbonate; |
| 1,1-difluoroethane (HFC-152a); | dimethyl carbonate; |
| parachlorobenzotrifluoride (PCBTF); | <i>trans</i> -1,3,3,3-tetrafluoropropene; |
| cyclic, branched, or linear completely methylated siloxanes; | HCF ₂ OCF ₂ H (HFE-134); |
| acetone; | HCF ₂ OCF ₂ OCF ₂ H (HFE-236cal2); |
| perchloroethylene (tetrachloroethylene); | HCF ₂ OCF ₂ CF ₂ OCF ₂ H (HFE-338pcc13); |
| 3,3-dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca); | HCF ₂ OCF ₂ OCF ₂ CF ₂ OCF ₂ H (H-Galden 1040x or H-Galden ZT 130 (or 150 or 180)); |
| 1,3-dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb); | and |
| 1,1,1,2,3,4,4,5,5,5-decafluoropentane (HFC 43-10mee); | perfluorocarbon compounds which fall into these classes: |
| difluoromethane (HFC-32); ethylfluoride (HFC-161); | (i) Cyclic, branched, or linear, completely fluorinated alkanes; |
| 1,1,1,3,3,3-hexafluoropropane (HFC-236fa); | (ii) Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations; |
| 1,1,2,2,3-pentafluoropropane (HFC-245ca); | (iii) Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and |
| 1,1,2,3,3-pentafluoropropane (HFC-245ea); | (iv) Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine. |
| 1,1,1,2,3-pentafluoropropane (HFC-245eb); | |
| 1,1,1,3,3-pentafluoropropane (HFC-245fa); | |
| 1,1,1,2,3,3-hexafluoropropane (HFC-236ea); | |
| 1,1,1,3,3-pentafluorobutane (HFC-365mfc); | |
| chlorofluoromethane (HCFC-31); | |
| 1 chloro-1-fluoroethane (HCFC-151a); | |
| 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a); | |

- b.** The following compound(s) are VOC for purposes of all recordkeeping, emissions reporting, photochemical dispersion modeling, and inventory requirements, which apply to VOC and shall be uniquely identified in emission reports but are not VOC

for purposes of VOC emissions limitations or VOC content requirements: t-butyl acetate (540-88-5).

3. The following documents are incorporated by reference and are approved for use as directed by the department under the Maricopa County Air Pollution Control Regulations. These documents are incorporated by reference as of the year specified below, and no future editions or amendments.
 - a. The Arizona Department of Environmental Quality's (ADEQ) "Arizona Testing Manual for Air Pollutant Emissions," amended as of March 1992, and no future editions or amendments.
 - b. All ASTM International (ASTM) standards referenced in the Maricopa County Air Pollution Control Regulations as of the year specified in the reference, and no future editions or amendments.
 - c. The U.S. Government Printing Office's "Standard Industrial Classification Manual, 1987", published by the Executive Office of the President, Office of Management and Budget, and no future editions or amendments.
 - d. EPA Publication No. AP-42, 1995, "Compilation of Air Pollutant Emission Factors," Volume I: Stationary Point and Area Sources, Fifth Edition, including Supplements A, B, C, D, E, F, Updates 2001, 2002, 2003, and 2004 and all updates as of July 1, 2010, and no future editions or amendments.
 - e. EPA guidance document "Guidelines for Determining Capture Efficiency", January 9, 1995, and no future editions or amendments.
 - f. 2002 US NAICS Manual, "North American Industry Classification System United States", National Technical Information Service, US Census Bureau, 2002, and no future editions or amendments.
4. The following federal regulations located in Title 40, Code of Federal Regulations (CFR) are approved for use as directed by the department under the Maricopa County Air Pollution Control Regulations. These standards are incorporated by reference as of July 1, 2010, and no future editions or amendments.
 - a. The Consolidated Emissions Reporting Rule in 40 CFR 51, Subpart A, Appendix A, Table 2A.
 - b. 40 CFR 75.

Availability of Information: Copies of these incorporated materials are available electronically at: ecfr.gpoaccess.gov; at the Maricopa County Air Quality Department, 1001 N. Central Ave, Phoenix, AZ, 85004. ASTM standards are available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428, or from its website at www.astm.org.