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Exposure and Human Health Reassessment of 2,3,7,8-Tetrachlorodibenzo-*p*-Dioxin (TCDD) and Related Compounds National Academy Sciences (NAS) Review Draft

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Part I: Estimating Exposure to Dioxin-Like Compounds

Volume 1: Sources of Dioxin-Like Compounds in the United States

- [Table of Contents \(PDF\)](#) (23 pp, 406KB)
- Chapter 1: [Background and Summary \(PDF\)](#) (55 pp, 2.52MB)
- Chapter 2: [Mechanisms of Formation of Dioxin-Like Compounds During Combustion of Organic Materials \(PDF\)](#) (39 pp, 337KB)
- Chapter 3: [Combustion Sources of CDD/CDF: Waste Incineration \(PDF\)](#) (91 pp, 1.96MB)
- Chapter 4: [Combustion Sources of CDD/CDF: Power/Energy Generation \(PDF\)](#) (70 pp, 1.68MB)
- Chapter 5: [Combustion Sources of CDD/CDF: Other High Temperature Sources \(PDF\)](#) (44 pp, 1.11MB)
- Chapter 6: [Combustion Sources of CDD/CDF: Minimally Controlled and Uncontrolled Combustion Sources \(PDF\)](#) (26 pp, 410KB)
- Chapter 7: [Metal Smelting and Refining Sources of CDD/CDF \(PDF\)](#) (46 pp, 1.0MB)

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[Part II: Health Assessment of 2.3.7.8-Tetrachlorodibenzo-*p*-Dioxin \(TCDD\) and Related Compounds](#)

[Part III: Integrated Summary and Risk Characterization for 2.3.7.8-Tetrachlorodibenzo-*p*-Dioxin \(TCDD\) and Related Compounds](#)

- Chapter 8: [Chemical Manufacturing and Processing Sources \(PDF\)](#) (93 pp, 2.22MB)
- Chapter 9: [Biological Sources of CDD/CDF \(PDF\)](#) (7 pp, 73KB)
- Chapter 10: [Photochemical Sources of CDD/CDF \(PDF\)](#) (7 pp, 81KB)
- Chapter 11: [Sources of Dioxin-Like PCBs \(PDF\)](#) (52 pp, 1.22MB)
- Chapter 12: [Reservoir Sources of CDD/CDF and Dioxin-Like PCBs \(PDF\)](#) (34 pp, 587KB)
- Chapter 13: [Ball Clay \(PDF\)](#) (7 pp, 118KB)
- [References \(PDF\)](#) (64 pp, 346KB)

Volume 2: Properties, Environmental Levels, and Background Exposures

- [Table of Contents \(PDF\)](#) (15 pp, 342KB)
- Chapter 1: [Introduction \(PDF\)](#) (37 pp, 254KB)
- Chapter 2: [Physical and Chemical Properties and Fate \(PDF\)](#) (114 pp, 1.25MB)
- Chapter 3: [Levels of CDD, CDF, and PCB Congeners in Environmental Media and Food \(PDF\)](#) (204 pp, 3.24MB)
- Chapter 4: [Human Exposure to CDD, CDF, and PCB Congeners \(PDF\)](#) (146 pp, 3.9MB)
- Chapter 5: [Potentially Elevated Exposures \(PDF\)](#) (68 pp, 1.15MB)
- Chapter 6: [Temporal Trends \(PDF\)](#) (54 pp, 739KB)
- Appendix A: [Environmental Chemistry \(PDF\)](#) (21 pp, 1.68MB)
- Appendix B: [Environmental Concentrations \(PDF\)](#) (300 pp, 7.0MB)
- Appendix C: [Bioavailability of Dioxin \(PDF\)](#) (23 pp, 134KB)

Volume 3: Site-Specific Assessment Procedures

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- Chapter 1: [Introduction \(PDF\)](#) (56 pp, 448KB)
- Chapter 2: [Estimating Exposure and Risks \(PDF\)](#) (49 pp, 355KB)
- Chapter 3: [Evaluating Atmospheric Releases of Dioxin-Like Compounds From Combustion Sources \(PDF\)](#) (83 pp, 1.55MB)
- Chapter 4: [Estimating Exposure Media Concentrations \(PDF\)](#) (148 pp, 1.9MB)
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- Chapter 2: [Mechanism\(s\) of Action \(PDF\)](#) (48 pp, 250KB)
- Chapter 3: [Acute, Subchronic, and Chronic Toxicity \(PDF\)](#) (57 pp, 399KB)
- Chapter 4: [Immunotoxicity \(PDF\)](#) (54 pp, 375KB)
- Chapter 5: [Developmental and Reproductive Toxicity \(PDF\)](#) (134 pp, 882KB)
- Chapter 6: [Carcinogenicity of TCDD in Animals \(PDF\)](#) (62 pp, 534KB)
- Chapter 7: Epidemiology/ Human Data
 - [Part A: Cancer Effects \(PDF\)](#) (103 pp, 967KB)
 - [Part B: Effects Other than Cancer \(PDF\)](#) (215 pp, 2.75MB)
- Chapter 8: [Dose-Response Modeling for 2,3,7,8-TCDD \(PDF\)](#) (128 pp, 2.39MB)
- Chapter 9: [Toxicity Equivalence Factors \(TEF\) for Dioxin and Related Compounds \(PDF\)](#) (64 pp, 428KB)

Part III: Integrated Summary and Risk Characterization for 2,3,7,8-Tetrachlorodibenzo-*p*-Dioxin (TCDD) and Related Compounds

- [Full Document \(Table of Contents, all Chapters & Appendices\) \(PDF\)](#) (264 pp, 3.09MB)
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- Chapter 2: [Effects Summary \(PDF\)](#) (48 pp, 502KB)
- Chapter 3: [Mechanisms and Mode of Dioxin Action \(PDF\)](#) (15 pp, 165KB)
- Chapter 4: [Exposure Characterization \(PDF\)](#) (40 pp, 986KB)
- Chapter 5: [Dose-Response Characterization \(PDF\)](#) (42 pp, 712KB)
- Chapter 6: [Risk Characterization \(PDF\)](#) (34 pp, 226KB)
- [Appendix A \(PDF\)](#) (12 pp, 495KB)
- [Glossary \(PDF\)](#) (6 pp, 103KB)
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