

TABLE OF CONTENTS

List of Figuresviii

List of Tablesx

List of Acronymsxi

Forewordxiii

Chapter 1 Fossil-Fired Boilers—Conventional Designs1

 Appendix 1-127

 Appendix 1-229

 Appendix 1-331

Chapter 2 The “Newer” Technologies—Fluidized-Bed Combustion,
 Combined-Cycle Power Generation, Alternative Fuel Power
 Production, and Coal Gasification33

 Appendix 2-155

 Appendix 2-257

Chapter 3 Fossil Fuel and Ash Properties—Their Effects on Steam
 Generator Materials59

 Appendix 3-185

Chapter 4 Steam System Materials91

Chapter 5 Air Pollution Control113

 Appendix 5-1143

Bibliography151

Index157