



# American Indoor Air Quality Council

## Preparing for the Council-certified Indoor Environmentalist (CIE) Examination

### Examination Reference Materials:

The CIE examination is based on standard industry reference texts, not on a particular course curriculum. Examination items are drawn directly from the following references:

- American Indoor Air Quality Council, *Code of Conduct* ([www.iaqcouncil.org](http://www.iaqcouncil.org))
- Hollace Bailey, *Fungal Contamination: A Manual for Investigation, Remediation and Control* (Jupiter, Fla: BECi, 2005)
- EPA, *Building Air Quality: A Guide for Building Owners and Facility Managers* (Washington: EPA, 1991)
- ASHRAE, *Standard 55 – 2004: Thermal Environmental Conditions for Human Occupancy*
- ASHRAE, *Standard 62.1 – 2004: Ventilation for Acceptable Indoor Air Quality*
- Shirley J. Hansen and H. E. Burroughs, *Managing Indoor Air Quality*, 3rd edition (2004) **OR** 4<sup>th</sup> edition (2008).

### Examination Topics:

The 100-question, closed book examination covers **six topics** relevant to environmental investigation and consulting. Approximately sixteen multiple choice questions are included on each of the following topics:

**(NOTE:** For a detailed list of the knowledge and skills tested within each topic area, consult pages 2-3 of the CIE application booklet)

1. IAQ Contaminants and Health Effects
2. Principles of the Built Environment
3. Principles of HVAC systems
4. Equipment used in IAQ investigations
5. Guidelines, Regulations & Standards affecting IAQ
6. Principles of IAQ Remediation

### Recommended Study Procedures:

To prepare for the CIE exam, first read the reference books listed above in their entirety. Then review the following sections from each text in more detail:



**WARNING:** Limiting your study to only the following pages will put you in danger of failing the exam. The exam assumes a comprehensive knowledge of each reference text.



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**1. Bailey, *Fungal Contamination***

All chapters except 1, 3, 5, 21 and 24

**2. EPA, *Building Air Quality***

Chapter 2 – entire

Chapter 4 – pages 19 through 23

Chapter 5 – pages 36 and 39

Chapter 6 – pages 46 through 53 and 76

Pages 84 and 85

**3. ASHRAE, *Standard 55***

Sections 5 and 7

**4. AHSRAE, *Standard 62.1***

Sections 2 through 6

Sections 7.1 and 8

**5. Burroughs, *Managing Indoor Air Quality***

3<sup>rd</sup> Edition

Chapters 1 through 8 – entire

Pages 224 through 228

Pages 240 through 249

Pages 284 through 301

4<sup>th</sup> Edition

Chapters 1 through 8 – entire

Pages 226 through 230

Pages 242 through 251

Pages 286 through 301