



American Council for Accredited Certification

Preparing for the Council-certified Indoor Environmental Consultant (CIEC) Examination

Examination Reference Materials:

The CIEC 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)
- Bradley Prezant, et.al., *Recognition, Evaluation and Control of Indoor Mold* (Fairfax, VA: AIHA, 2008)
- 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** 4th edition (2008).

Examination Topics:

The 120-question, closed book examination covers **six topics** relevant to environmental investigation and consulting. Approximately twenty 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 page 3 of the CIEC 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 CIEC 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. **AIHA, *Recognition, Evaluation and Control of Indoor Mold***

Chapter 1- entire

Chapter 2 – entire

Pages 55, 100-102 and 206

Sections 10.5, 10.6 and 15.11

Chapter 11 – entire

Chapter 14 – entire

Table 15.2

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***

3rd Edition

Chapters 1 through 8 – entire

Pages 224 through 228

Pages 240 through 249

Pages 284 through 299

4th Edition

Chapters 1 through 8 – entire

Pages 226 through 230

Pages 242 through 251

Pages 286 through 301