



# 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 Council for Accredited Certification, *Code of Conduct* ([www.acac.org](http://www.acac.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)
- Shirley J. Hansen and H. E. Burroughs, *Managing Indoor Air Quality*, 4<sup>th</sup> edition (2008) **OR** 5th edition (2011).
- Nancy Bollinger, *NIOSH Respirator Selection Logic 2004* (Cincinnati: NIOSH, 2004), [www.acac.org/forms/rclibrary/nioshresp2004.pdf](http://www.acac.org/forms/rclibrary/nioshresp2004.pdf)

### Examination Topics:

The 120-question, closed book examination covers **seven 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
7. Respiratory Protection

### 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***

Sections 1.1.1; 1.1.2; 1.2.1; 1.2.2; 1.2.3; 1.4.1; 2.4.1; 2.4.2; 2.5.1; 2.5.4; 5.1; 8.3; 10.5.10; 10.6; 11.1.1; 11.1.2; 11.1.3; 11.1.4; 14.1; 14.1.1; 14.2.5; 14.4.1; 15.11 and 17.2.2.

Tables 2.1; 11.1; 11.2 and 15.2.

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

Pages 5, 6, 7, 8, 9, 10, 11, 12, 19, 22, 23, 36, 39, 46, 51, 53, 84, 110, 111, 112, 113, 115, 117, 133, 134, 137, 142, 143, 147 and 155.

## 3. **Burroughs, *Managing Indoor Air Quality***

4<sup>th</sup> Edition

3, 9, 10, 11, 12, 19, 20, 21, 22, 30, 31, 33, 34, 40, 41, 56, 59, 79, 91, 93, 97, 101, 120, 122, 134, 135, 136, 138, 146, 161, 171, 180, 184, 186, 229, 292

5<sup>th</sup> Edition

3, 10, 11, 12, 19, 20, 21, 22, 30, 31, 33, 34, 40, 42, 56, 60, 81, 93, 95, 99, 103, 122, 124, 137, 139, 140, 148, 163, 171, 180, 184, 186, 231, 294

## 4. **NIOSH *Respirator Selection Logic (2004)***

Pages 1, 4, 5, 8, 13, 17, 19, 20 and 22