

UIC Radon Mitigation Course  
An Illinois Specific Course

Presented by the  
Great Lakes Center for Occupational and  
Environmental Safety and Health,  
School of Public Health,  
University of Illinois at Chicago

Manual Copyright 1999 University of Illinois;  
Additional materials used with permission.

UIC Course Approved by the  
Illinois Department of Nuclear Safety

## Table of Contents

Copyright Notice	Page ii
Disclaimer	Page ii
Acknowledgements	Page iii
Course Outline	Page vi
Glossary	Page G-1
Unit One: Radon Occurrence and Health Effects	Page 1-1
Unit Two: Radon Entry and Behavior	Page 2-1
Unit Three: Radon Measurement	Page 3-1
Unit Four: Mitigation Systems	Page 4-1
Unit Five: Building Investigation	Page 5-1
Unit Six: Domestic Water: Radon Measurement and Control	Page 6-1
Unit Seven: Radon-Resistant New Construction	Page 7-1
Unit Eight: Worker Health	Page 8-1
Appendix: 32 Illinois Administrative Code, Part 422, Adopted Rule Licensing of Radon Detection and Mitigation Services Illinois Department of Nuclear Safety	
Index	Page I-1

## Copyright Notice and Disclaimer

UIC Radon Mitigation Course  
An Illinois Specific Course  
Slide Presentation  
Units 1, 2 and 3

Presented by the  
Great Lakes Center for Occupational & Environmental Safety & Health,  
School of Public Health,  
University of Illinois at Chicago

The *Radon Mitigation Course Slide Presentation* is used pursuant to a licensing agreement with Colorado Vintage Companies, Inc., the Licensor, which contributed to its development. Contains copyrighted material licensed for use to US EPA Radon Training Centers.

UIC Course Approved by the  
Illinois Department of Nuclear Safety

UIC Radon Mitigation Course  
An Illinois Specific Course  
Slide Presentation  
Units 4, 5, 6, 7 and 8

Presented by the  
Great Lakes Center for Occupational & Environmental Safety & Health,  
School of Public Health,  
University of Illinois at Chicago

The *Radon Mitigation Course Slide Presentation* is used pursuant to a licensing agreement with Colorado Vintage Companies, Inc., the Licensor, which contributed to its development. Contains copyrighted material licensed for use to US EPA Radon Training Centers.

UIC Course Approved by the  
Illinois Department of Nuclear Safety

UIC Radon Mitigation Course-  
An Illinois Specific Course

Hands-On Training Module-  
Course Exam Questions

Copyright VSI Environmental Service, 1999, used with permission.

UIC Radon Mitigation Course-  
An Illinois Specific Course

Units 1, 2 and 3-  
Course Exam Questions

UIC Radon Mitigation Course-  
An Illinois Specific Course

Illinois Licensure Rule  
Slide Presentation

Illinois Department of Nuclear Safety,  
used with permission.

UIC Radon Mitigation Course-  
An Illinois Specific Course

Illinois Licensure Rule-  
Course Exam Questions

UIC Radon Mitigation Course-  
An Illinois Specific Course

Appendix

32 Illinois Administrative Code, Part 422, Adopted Rule

Licensing of Radon Detection and Mitigation Services

Illinois Department of Nuclear Safety

# UIC Radon Mitigation Course-An Illinois Specific Course

<b>Day 1</b> (All of day one uses the slides from Measurement)	<b>Time</b>
IDNS Adopted Rule Overview	30 min.
Occurrence and Health Effects	120 min.
Entry & Behavior	120 min.
Measurement	140 min.
Radon in Water	40 min.
Day 1 Course Exam	30 min.
<b>Day 2</b>	
Pressure Field Theory	120 min.
Soil Depressurization Basics	120 min.
Building Investigation*	210 min.
Building Characteristics	
Visual Inspection	
Diagnostic Radon Measurements	
Pressure Field Testing	
Day 2 Course Exam	30 min.
<b>Day 3</b>	
Mitigation System Design*	120 min.
Mitigation System Installation*	120 min.
Submembrane Depressurization Issues*	120 min.
System Evaluation (from Exercises)	90 min.
Day 3 Course Exam	30 min.
<b>Day 4</b>	
Drainage Based Soil Depressurization	75 min.
Alternative Radon Mitigation Techniques	75 min.
Building Inspection Exercise	45 min.
(using worksheets from Exercises)	
Worker Protection	75 min.
Radon Resistant New Construction	45 min.
(will also use IDNS slides)	
Illinois Licensing Law and Regulations	75 min.
Course Review	60 min.
Day 4 Course Exam	30 min.

