

Sanitarian Registration Examination General Overview

Section 4736.08 of the Ohio Revised Code requires applicants for registered sanitarian to pass an examination conducted by the State Board of Sanitarian Registration. **There is no examination requirement for registration as a sanitarian-in-training.**

Eligibility

Applicants for examination must either be registered sanitarians-in-training or approved to sit for the examination by the State Board of Sanitarian Registration through submission of an application for registered sanitarian.

The Board administers the examination three times a year, during the months of March, July, and October. **The Board must receive the proper application and fee no later than 35 days prior to the scheduled examination date.** The examination fee is non-refundable.

The examination candidate will receive written confirmation of eligibility to sit for the examination approximately two weeks before the examination. The confirmation will include an admittance card with an authorization or identification number. This card must be presented for admittance to the examination. The authorization number is used to code the answer sheet. The candidate must also bring a photo identification (such as a driver's license).

Content

The Board will administer the Professional Examination Service (P.E.S.) Examination on the following dates:

March 23, 2006 10 AM - Central Ohio- Deadline for registration - February 15, 2006

July 20, 2006 10 AM - Central Ohio - Deadline for registration - June 16, 2006

October 19, 2006 10 AM - Central Ohio - Deadline for registration - September 15, 2006

The PES examination is a nationally administered examination consisting of 250 questions. All questions on the exam are written in multiple-choice format. Candidates will have four hours to complete the exam. The time will be split into two 2-hour sessions with a 45-minute break between sessions. The exams typically start at 10:00 am and finish at approximately 3:15 pm.

The Board will **not** offer the NEHA/REHS examination; however, an applicant who presents that they have taken the NEHA/REHS examination in a manner acceptable to the Board, and passed at Ohio's passing point of 70% will be accepted by the State Board of Sanitarian Registration.

The PES Examination is based upon the following content areas. Next to each subject heading is the approximate percentage of questions in that content area:

DOMAINS OF EXAMINATION KNOWLEDGE/SKILL AREAS

Domain 1. Food Protection 14%

1. Epidemiology
2. Legal Aspects
3. Microbiological, Physical and Chemical Agents
4. Plan Review
5. Protection/Sanitation
6. Risk Assessment, Management and Communication
7. Sampling and Testing
8. Toxicology

Domain 2. Water and Waste Water 22%

1. Drinking Water
2. Epidemiology
3. Ground Water
4. Land Use
5. Legal Aspects
6. Microbiological, Physical and Chemical Agents
7. Plan Review
8. Risk Assessment, Management and Communication
9. Sampling and Testing
10. Surface Water
11. Toxicology
12. Waste Water

Domain 3. Air Quality 5%

1. Ambient Air
2. Epidemiology
3. Indoor Air
4. Legal Aspects
5. Microbiological, Physical and Chemical Agents
6. Pollution Control Technology
7. Risk Assessment, Management and Communication
8. Sampling and Testing
9. Toxicology

Domain 4. Vector and Pest Control 6%

1. Epidemiology
2. Legal Aspects
3. Microbiological, Physical and Chemical Agents
4. Pesticides (including application)
5. Risk Assessment, Management and

Communication

6. Sampling and Testing
7. Sanitation and Control
8. Toxicology

Domain 5. Hazardous Materials Management 8%

1. Emergency Response
2. Epidemiology
3. Handling and Storage
4. Legal Aspects
5. Processing
6. Risk Assessment, Management and Communication
7. Sampling and Testing
8. Toxicology
9. Transportation

Domain 6. Waste Management 7%

1. Biomedical Waste
2. Epidemiology
3. Hazardous Waste
4. Legal Aspects
5. Mixed Waste
6. Reduction
7. Resource Recovery
8. Risk Assessment, Management and Communication
9. Sampling and Testing
10. Soil and Land Use
11. Solid Waste
12. Toxicology
13. Transportation

Domain 7. Radiation 3%

1. Electromagnetic Field Radiation
2. Epidemiology
3. Ionizing Radiation
4. Legal Aspects
5. Non-Ionizing Radiation
6. Risk Assessment, Management and Communication
7. Safety and Protection
8. Sampling and Testing
9. Toxicology

Domain 8. Recreation 3%

1. Camping Areas
2. Epidemiology

3. Injury Prevention and Control
4. Land Use
5. Legal Aspects
6. Microbiological Physical and Chemical Agents
7. Natural Bathing Areas
8. Plan Review
9. Playgrounds
10. Pools, Spas and Hot-tubs
11. Risk Assessment, Management and Communication
12. Sampling and Testing
13. Toxicology

Domain 9. Housing and Institutions 3%

1. Epidemiology
2. Infection Control
3. Injury Prevention and Control
4. Legal Aspects
5. Plan Review
6. Risk Assessment, Management and Communication
7. Sanitation
8. Toxicology

Domain 10. Occupational Health and Safety 5%

1. Epidemiology

2. Injury Prevention and Control
3. Legal Aspects
4. Physical Agents
5. Risk Assessment, management and Communication
6. Sampling and Testing
7. Toxicology

Domain 11. General Environmental Health and Scientific Concepts 15%

1. Basic Sciences
2. Epidemiology
3. Injury Prevention and Control
4. Microbiology
5. Statistics
6. Toxicology

Domain 12. Program Planning and Legal Aspects 10%

1. Communication
2. Data Management
3. Enforcement and Investigative Techniques
4. Government Organization
5. Risk Assessment and Management

Passing Point and Results

The passing point is 70%. Results are mailed approximately four to five weeks after the examination date.

An applicant who fails to meet the passing point on the examination will receive a summary of his/her performance in each of the subject areas. The applicant may be re-examined on the prescribed examination dates upon resubmission of the examination form and appropriate fee.

References

1. *Salvato, Joseph. *Environmental Engineering and Sanitation*, (ISBN 047141837). John Wiley Publishing, 1 Wiley Drive, Somerset, NJ 08873 (732) 469-4400 or www.wiley.com. 5th Ed. 3/03 - \$240.00.
2. *Morgan, Monroe T. *Environmental Health*, available through NEHA, (303) 756-9090 Reference #545 \$46.95.
3. *Koren, Herman and Bisesi, Michael, *Handbook of Environmental Health and Safety*, Lewis Publication, Boca Raton, FL 33431, 1-800-272-7737 3rd Ed. 1993 - \$99.95.
4. Grad, Frank. *Public Health Law Manual*, 2nd Ed., 1990 American Public Health Association, Publications Department, 1015 16th Street NW, Washington, D.C. 20005, (202) 789-5600, \$35.00

5. Marriott, N.G. *Principles of Food Sanitation*, (ISBN 442-318073) 2nd Ed., Van Nostrand Reinhold, 115 Fifth Avenue, New York, NY 10003, (212) 254-3232, Order Telephone No. (800) 926-2665, \$51.95.
6. Hodgson, E. And Levi, P.E., *A Textbook of Modern Toxicology*, (ISBN 0838588875) 5/97 Simon Schuster Prentice-Hall (800) 922-0579 \$55.00.
7. Meyer, Eugene. *Chemistry of Hazardous Materials*, (ISBN 089303133X) 1989, 2nd Ed., Prentice-Hall, Inc., 200 Tappan Road, Old Tappan, NJ 07675, (800) 947-7700, \$64.00.
8. Council on Environmental Quality, Office of the President of the United States. *Risk Analysis: A Guide to Principles and Methods for Analyzing Health and Environmental Risks*, available at www.allbookstores.com
9. Bomgardner, Paul M. *Handling Hazardous Materials*, 1997, J.J. Keller & Assoc., (800) 327-6868, \$14.50.
10. National Response Team. *Hazardous Materials Emergency Planning Guide*, NRT-1 Washington, D.C., National Response Team, (800) 424-8802 or download guide at www.nrt.org
11. *Self-Paced Learning Modules* (17 different modules available), National Environmental Health Association, 720 South Colorado Blvd., Suite 970 South Tower, Denver, CO 80222, (303) 756-9090, \$10.00 to \$15.00 each.
12. Allegri, Theodore H. *Handling and Management of Hazardous Materials and Wastes*, (ISBN 0412007517) 1987, Routledge, Chapman, and Hall, 29 West 35th Street, New York, NY 10001, (212) 244-3336, \$55.00.
13. Blumenthal, D.S. *Introduction to Environmental Health*, (ISBN 082613901-9), 2nd Ed. 1995, Springer Publishing, Inc., 536 Broadway, New York, NY 10012, (212) 431-4370 \$43.95.
14. *Applied Foodservice Sanitation: A Foundation Textbook*. 4th Ed. John Wiley Publishing, 1 Wiley Drive Somerset NJ 08873 (732) 469-4400 in cooperation with the Educational Foundation of the National Restaurant Association, 1992.
15. CDC Print based courses *Environmental Sciences* and *Epidemiology* Center for Disease Control (800)-41-Train or www.phppo.cdc.gov/phtn/

*Recommended as comprehensive references by Gary Silverman, Ph.D. Director and Professor of the Environmental Health Program at Bowling Green State University and a member of the State Board of Sanitarian Registration.

The State Library of Ohio

The following references were donated to the State Library of Ohio by the State Board of Sanitarian Registration and are available at the State Library, 274 E. 1st Avenue, Columbus, Ohio 43201 (614) 644-7061

Allegri, Theodore H. *Handling and Management of Hazardous Materials and Wastes*. Chapman and Hall, T 55.3 H3 A45 1986

Applied Foodservice Sanitation: A Foundation Textbook. 4th ed. Wiley in cooperation with the Educational Foundation of the National Restaurant Association, 1992 TX 911.3 S3 A68 1992

Marriott, Norman G. *Principles of Food Sanitation*. 2nd ed. Van Nostrand, 1989. TP 373. 6 M37 1989

Morgan, Monroe T. *Environmental Health*, Brown & Benchmark, 1993. RA 566 M67 1993

Salvato, Joseph, *Environmental Engineering and Sanitation*. 4th ed. Wiley, 1992. TD 145 S24 1992.

Sterritt, Robert M. *Microbiology for Environmental and Public Health Engineers*. Spon. 1988 QR 41.2 S778 1988