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

The Board administers the Professional Examination Service (PES) Environmental Health Proficiency Examination, a nationally based examination, purchased by contract from PES, a non-profit testing organization located in New York, New York.

The State Board of Sanitarian Registration does **not** offer the National Environmental Health Association/Registered Environmental Health Specialist (NEHA/REHS) examination; however, the Board will accept the examination results as passing Ohio’s standard if an applicant presents that they have taken the NEHA/REHS examination, in a manner acceptable to the Board, and passed at Ohio’s standard of 70%.

**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 and non-transferable.

Examination candidates receive written confirmation of eligibility to sit for the examination approximately three weeks before the examination. The confirmation letter will include an admittance card with an identification number. This card and photo identification, such as a driver’s license or state issued identification card, must be presented for admittance to the examination. The identification number is used to code the answer sheet.

**Passing Point and Results**

The passing standard for the examination is set at a scaled score of 70%. In the scaled scoring process, the minimum raw score (number of correctly answered questions) required to equal 70% may be statistically adjusted. For example, if the test form is slightly more difficult than another test form, then the minimum raw score required to pass will be slightly lower. Scaled scoring assures that the 70% passing standard represents the same level of competence regardless of which form of the test a candidate takes.

Candidates will receive a summary of their performance in each of the subject areas. A candidate who fails to meet the 70% passing standard on the examination may be re-examined on the prescribed examination dates upon resubmission of the examination form and appropriate fee.
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 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 21%**
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 7%**
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 7%**
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 4.5%
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 16%
1. Basic Sciences
2. Epidemiology
3. Injury Prevention and Control
4. Microbiology
5. Statistics
6. Toxicology

Domain 12. Program Planning and Legal Aspects 7.5%
1. Communication
2. Data Management
3. Enforcement and Investigative Techniques
4. Government Organization
5. Risk Assessment and Management
Comprehensive References

2. Morgan, Monroe T. *Environmental Health*, available through NEHA, (303) 756-9090 Reference #545 $46.95.

Additional References Used to Validate Examination

17. Luneburg, W., *the Legal Context of Environmental Protection in the United States*
29. USEPA Office of Water, *National Primary Drinking Water Regulations*
30. USEPA State of the Art of Small Water Treatment Systems
31. USEPA Design Manual, *Onsite Wastewater Treatment and Disposal Systems*

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


