

**WASTE WATER
 EXAMINATION INFORMATION BULLETIN**

Revised: May 4, 2012

150 Questions; *No Time Limit

To allow sufficient time to complete the examination, please arrive no later than 9 a.m.

(*Examination must be completed within one business day; a 30 minute break will be allowed)

Domains:	Number of Questions on Examination:
Hydrology	15
Microbiology Toxicology	15
Soils	52
Environmental Applications	53
Regulatory Issues	15
	Total = 150

Passing the written examination requires a score of at least 68%

EXAMINATION REFERENCE SOURCES

Oregon Administrative Rules: Chapter 340, Divisions 50, 55, 71 and 73; and Chapter 333, Division 61. Emphasis on on-site rules – 71 and construction standards – 73.

The Nature and Property of Soils 2008, 14th Edition; Nyle C. Brady and Ray R. Weil.

U.S. Department of Agriculture, Soil Survey Manual 1993. Emphasis on examination and description of soils - Chapter 4, and mapping techniques - Chapter 3.

Environmental Engineering and Sanitation 1982, 3rd Edition; Joe A. Salvato P.E.

Code of Federal Regulation; 40CFR503 (website: <https://www.epa.gov/biosolids/biosolids-laws-and-regulations>)

Field Book for Describing and Sampling Soils Version 1.1 ; National Soil Survey Center, Natural Resources Conservation Service, U.S. Department of Agriculture.

Redoximorphic Features for Identifying Aquic Conditions; North Carolina Agricultural Research Service, North Carolina State University; Technical Bulletin 301 May, 1995.

Soil Genesis and Classification, 2003, 5th Edition; S.W. Buol, R.J. Southard, R.C. Graham and P.A. McDaniel.

Introduction to Soil Microbiology, 1991, 2nd Edition; Martin Alexander.

Small and decentralized wastewater management system, 1998; Ron Crites and George Tchobanoglous.

Environmental Protection Agency, Land Treatment of Municipal Wastewater Effluents, September 2006.