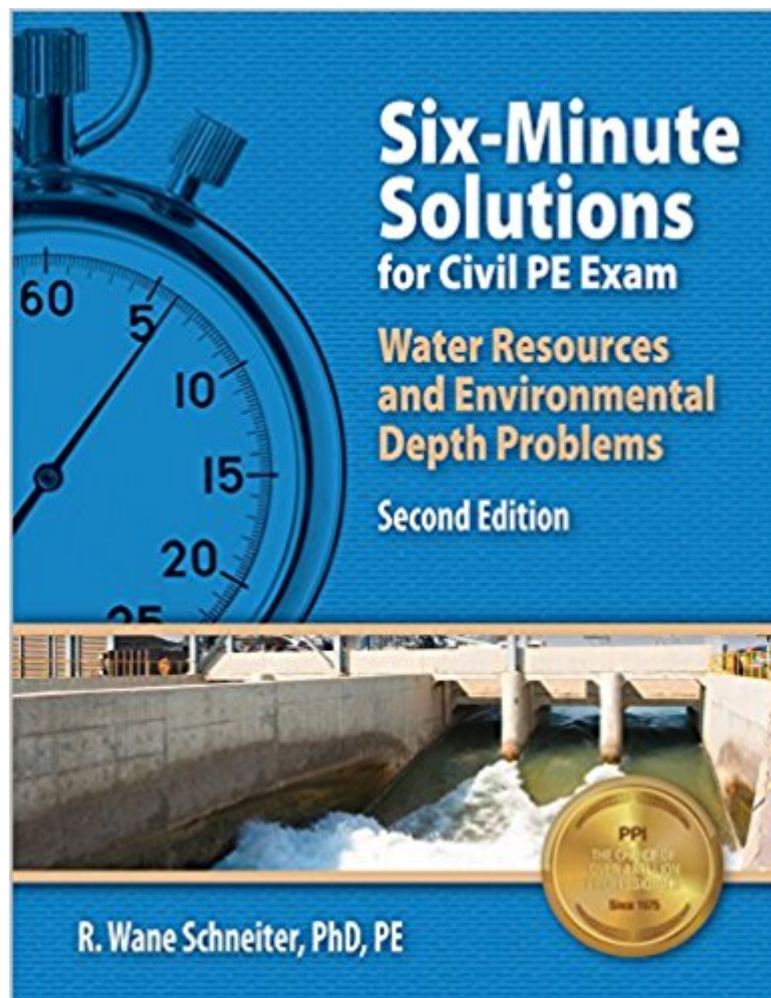




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Six-Minute Solutions For Civil PE Water Resources And Environmental Depth Exam Problems



Synopsis

Targeted Training for Solving Civil PE Water Resources and Environmental Depth Exam Problems

Six-Minute Solutions for Civil PE Water Resources and Environmental Depth Exam Problems contains 100 multiple-choice problems that are grouped into nine chapters. Each chapter corresponds to a topic on the Civil PE water resources and environmental depth exam. Problems are representative of the exam's format, scope of topics, and level of difficulty. Like the PE exam, an average of six minutes is required to solve each problem in this book. Each problem also includes a hint that provides problem-solving guidance when needed. Comprehensive step-by-step solutions for all problems demonstrate accurate and efficient solving approaches. Six-Minute Solutions will help you to:

- effectively familiarize yourself with the exam scope
- successfully connect relevant theory to exam-like problems
- quickly identify accurate problem-solving approaches
- actively engage with references you will use on exam day

Topics Covered

- Analysis and Design
- Drinking Water Distribution and Treatment
- Engineering Economics Analysis
- Groundwater and Wells
- Hydraulics
 - Closed Conduit Hydraulics
 - Open Channel Hydraulics
- Hydrology
- Wastewater Collection and Treatment
- Water Quality

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Customer Reviews

R. Wane Schneider, PhD, PE, is Emeritus Dean of the Faculty at the Virginia Military Institute (VMI).

Prior to his appointment as dean, he served as the head of VMI's Civil and Environmental Engineering Department and held the Benjamin H. Powell Jr. 36 Professorship in Engineering. His professional engineering activities have included consulting services on environmental issues to a wide array of public and private clients. He holds bachelor of science and doctorate degrees in civil engineering from Utah State University.

ABOUT THIS BOOK Six-Minute Solutions for Civil PE Exam Water Resources and Environmental Depth Problems is organized into nine chapters. Each chapter contains problems that correspond to the format and scope that would be expected to appear in the civil PE exam's water resources and environmental depth section. Most of the problems are quantitative, requiring calculations to arrive at a correct solution. A few are nonquantitative. Some problems will require a little more than 6 minutes to answer, and others require a little less. On average, during the exam you should expect to complete 80 problems in 480 minutes (8 hours), or spend 6 minutes per problem. The solutions are presented in a step-by-step sequence to help you follow the logical development of the correct solution and to provide examples of how you may want to approach your solutions as you take the PE exam. Each problem includes a hint to provide direction in solving the problem. In addition to the correct solution, you will find an explanation of the faulty solutions leading to the three incorrect answer options. The incorrect options are intended to represent common mistakes specific to different problem types. These may be simple mathematical errors, such as failing to square a term in an equation, or more serious errors, such as using the wrong equation. Though you will not encounter problems on the exam exactly like those presented in this book, reviewing these problems and solutions will increase your familiarity with the exam problems' format, content, and solution methods. This preparation will help you considerably during the exam.

Well it's a great book to learn more about water resources, but like everyone has stated, the problems are much harder than what you need for the actual PE.

Excellent book with questions just as advertised. I would have thought it might have more questions or longer explanations for \$80.

Horrible book, long and difficult answers to the questions.

Questions are not very realistic.

Delivered as promised. Very affordable. Nicely packaged.

The Six-Minute Solutions guides are great, especially when preparing for the afternoon portion of the Civil PE exam. Yes, the questions are generally tougher than what you will see on the exam; that's why they are good practice. These questions are in-line with what you can expect on the exam, however the questions are a little more challenging and usually require a few more steps to get to the answer. You wouldn't want an overly easy practice exam and then get slammed on the real exam. These guides are split up into morning type questions and afternoon type questions. I found that these guides were great preparation for the PE exam. The solutions are detailed enough to follow along and catch your mistakes. The solutions provided are way better approaches to answering the questions than any of the Lindeburg references, and they have fewer mistakes than Lindeburg. Some of the solutions to the Lindeburg guides are just outright wrong. The best guide for practice questions is the NCEES practice exam, but these are a wonderful supplement. I highly recommend getting the Six-Minute Solutions guide for whichever afternoon session you plan to take. If you do plan to take the Water/Environmental afternoon, get the older separate Six-Minute Solutions for Civil PE Exam Problems: Water Resources and Six-Minute Solutions for Civil PE Exam Environmental Problems guides. This one just combined those two, so there are just fewer questions overall. Your most basic study library should include the Lindeburg Civil Engineering Reference Manual, the NCEES Practice Exam, and the Six Minute Solutions guide for your afternoon session.

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