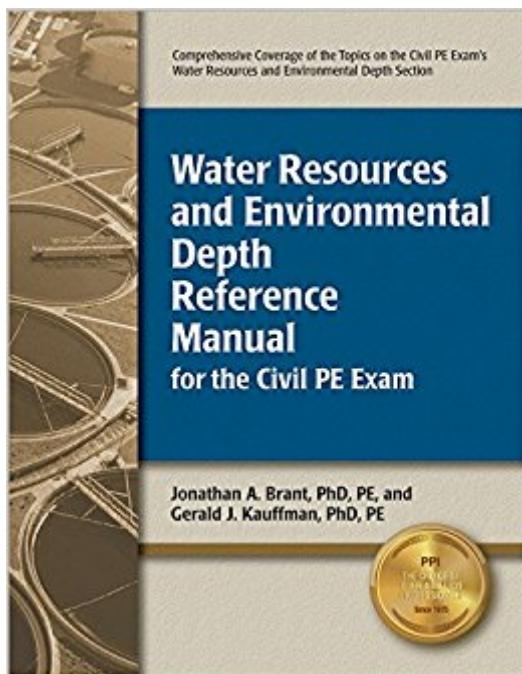


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Water Resources And Environmental Depth Reference Manual For The Civil PE Exam



Synopsis

To pass the Civil PE exam, you will need to be familiar with the exam topics and how to use relevant equations. The Water Resources and Environmental Depth Reference Manual for the Civil PE Exam provides comprehensive coverage of the exam topics. Detailed tables, figures, and appendices make it possible to solve many exam problems using the Depth Reference Manual alone. Example problems demonstrate how concepts are applied, and end-of-chapter problems provide opportunity for independent practice. Comprehensive Reference and Practice for the Civil PE Exam

Water Resources and Environmental Depth Section

Clear, easy-to-understand explanations of water resources and environmental engineering concepts

A complete introduction to the water resources and environmental depth section of the Civil PE exam

An overview of the Ten States Standards

115 solved example problems

101 exam-like, end-of-chapter problems with complete solutions

230 equations, 65 tables, 102 figures, and 8 appendices

An easy-to-use index

Topics Covered

- Activated Sludge
- Environmental Remediation
- Groundwater Engineering
- Hazardous Waste and Pollutants
- Hydraulics
 - Closed Conduit Hydraulics
 - Open Channel Hydrology
- Waste and Wastewater Composition and Chemistry
- Wastewater Treatment
- Water Treatment

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Customer Reviews

Jonathan A. Brant, PhD, PE is an assistant professor in the department of civil and architectural engineering at the University of Wyoming. His research focuses on the development and implementation of advanced technologies and techniques for treating drinking water, wastewater, and water for industrial purposes. Dr. Brant holds a bachelor of science degree in civil engineering from the Virginia Military Institute, and a master of science and doctorate degrees in civil engineering from the University of Nevada, Reno. Gerald J. A. Kauffman, PhD, PE, is an experienced water resources and watershed management engineer. He is the director of the University of Delaware's Water Resources Center and was appointed as Delaware's first water coordinator in 1999. He holds faculty appointments in the University of Delaware's Department of Civil and Environmental Engineering and School of Public Policy and Administration. Dr. Kauffman holds a bachelor of science degree in civil and environmental engineering from Rutgers University and a master of public administration degree in watershed policy and a doctorate degree in marine policy, both from the University of Delaware.

The book is really good. I'm more of an examples kind of learner. His book has examples for every topic and it gives you them step by step. It's easy to understand how they came to their solution. As far as teaching or explaining some of the material, I can't comment. I mostly look at the example and learn from there so haven't really read much of the text. There are a few mistakes in some of the examples but that's rare to see. I would recommend it to anyone trying to learn hydraulics and see how it can be applied to real world applications. I have it a 4 because I haven't really read the text.

All that I need in one place!! Examples are exam alike. Very good appendices. Easy to read, and understand. Definitely a good resource!!

It's typically assumed you're going to have the big Lindeburg Civil Engineering Reference Manual (CERM) for the PE exam, especially the morning section. This book bills itself as having all the extra information that you would need for the specialty afternoon session. However, there's not much in here that isn't already in the CERM. In fact, sometimes the CERM has *more* information on a given topic. I got this book and compared the sections, ultimately deciding that didn't offer any significant advantage over what was already in the CERM. The overlap of this book with the CERM is at least 80%. It has a few more step-by-step breakdowns, examples, and practice problems, but you'll need to spend a lot of time on PPI's errata site to correct all the errors in the book. It feels like

pages were wasted with needlessly large graphics, lists, and tables that aren't going to be used on the exam. Save the hundred-plus dollars and carefully go through the CERM and a few of your water resources and environmental textbooks from school.

I passed the PE fairly easily on my first try, and only used this book in the beginning of my studying. I soon found that not only was pretty much everything covered here also covered in the CERM, but the CERM covered it in more detail, with better explanations, and with more clarity. Even though this book is published as part of the same series as the CERM, they do NOT complement each other as study resources, because this book uses different (and not internally consistent) symbology from the CERM and the industry in general. This book ended up being confusing in a few different places, partly because it did not fully explain some concepts, and partly because it did not adequately connect related concepts to each other. Even worse, the symbology is not internally consistent within this book - in one particularly egregious example, lowercase t is used for two different variables (time and aquifer thickness) in the numerator and denominator of the same equation. The CERM version of the same equation uses h for aquifer thickness, which both eliminates the confusion and is consistent with industry standard for calculations involving water flowing through soil and saturated soils. My advice: don't waste your money on this book. The CERM is expensive, but it really is all you need for the PE exam, not just for the breadth but also for the WRE depth.

This book was not worth it at all. When you begin prep for the PE you buy things thinking you will need them and i found that this book was completely useless. not worth purchasing as a matter of fact i'm not even a really big fan of the lindeburg guy his books are overrated.

As a comprehensive review of the water resources and environmental topics, it is a decent book. However, as a study guide for the PE, it is pretty worthless. It goes over the same topics as the CERM and doesn't provide much additional help. Taking the water resources PE exam just this spring, I thought this book might help both with studying and with during the exam, but I found that I barely used it for studying and didn't even use it during the exam. It is a decent book to have for the rest of my life at my desk at work if I need a quick review of certain topics, since it is better than the CERM, but there are better and cheaper options for that.

I was hoping this reference manual was going to be better. It seems like much of it was copied from the CERM and is full of typos (be sure to download the most current errata from PPI's website

before test day). With that being said, the Water Resources and Environmental Depth Reference Manual is slightly useful for the PE exam. It covers topics such as stormwater collection inlets, gutter flow, street flow, flood plains/floodways, the momentum equation, cavitation, etc. which are not covered or are somewhat vague in the CERM. I would not recommend keeping this book for your engineering library, but it may help you get a couple more answers correct on PE exam.

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