

CONSTRUCTION OBSERVATIONS

A MODULE IN THE UPDATED RGE EXAM STUDY SERIES

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ABOUT THE UPDATED RGE EXAM STUDY SERIES

CalGeo released its 10-module “Geotechnical Engineer License Review Course” in the late 1980s and early 1990s. Starting in Fall 2023, CalGeo has been releasing an update to this much used course through live webinars.

ABOUT THE CONSTRUCTION OBSERVATIONS MODULE

Section 1: Introduction

Section 2: Liability of pre- and post-construction limitations and monitoring

Section 3: Documentation of construction activities, compaction, soil additives, density testing, shallow and deep foundation construction observation, soil and rock anchor testing

Section 4: Monitoring post-construction settlement, heave, or expansion and fill placement; documenting site conditions.

Section 5: Case histories

ABOUT THE PRESENTER

Chuck Kull, PE, GE, PG, CEG, is a principal engineer for NV5 in Nevada City, California. He owned Holdrege & Kull for 25 years prior to its purchase by NV5. He has designed and overseen geotechnical engineering projects throughout California since 1984. He is also licensed in Nevada, Oregon, Washington, Arizona, Hawaii, and Colorado. His professional engineering background includes transportation and infrastructure design for the public and private sectors; forensic engineering and disaster mitigation; mining and reclamation; shoring and tie-back design; geo-structural design and rock bolting for large penstock thrust blocks, bridge abutments, tunnels and towers; and earthwork grading projects in challenging soil conditions. He provides design-build services to heavy civil contractors throughout the West Coast. Chuck excels at alternative design approaches to mitigate challenging site conditions. He has designed and overseen the construction of California Department of Water Resources (CDWR) Division of Safety of Dams (DSOD) earth dams including seepage and slope stability analysis, engineering design, borrow material selection, and construction quality assurance (CQA). Chuck has assisted the California Board for Professional Engineers, Land Surveyors and Geologists throughout much of his career. He is currently involved with test development, grading, and enforcement of the California Certified Engineering Geologist certification. He also serves as an expert witness on California Department of Transportation (Caltrans) construction disputes.



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