

VITA

Stephen A. Akers

Stephen A. Akers has worked at the U.S. Army Engineer Research and Development Center at the Waterways Experiment Station in Vicksburg, Mississippi for over 21 years and currently serves as a senior project engineer in the Impact and Explosion Effects Branch of the Geotechnical and Structures Laboratory. He holds a Bachelor of Science degree in Civil Engineering from the Worcester Polytechnic Institute and a Master of Science degree in Ocean Engineering from the University of Rhode Island. Mr. Akers has served as the principal investigator on several DoD sponsored research programs in the general area of geotechnical engineering with particular emphasis in the field of soil dynamics as related to impulse-type loadings, such as those derived from nuclear and conventional blasts. From 1986 to 1993, he served as principal investigator for a research program on the behavior of containment grouts and tuffs used in the underground test program at the Nevada Test Site. During this period, he served as a member of the Modeling and Material Properties Working Group of the Containment Advisory Team; this group advised the DoD on modeling and material property issues related to underground nuclear containment at the Nevada Test Site. Since 1994, Mr. Akers has been responsible for conducting numerical simulations of the ground-shock and structure-medium-interaction environments of explosively-loaded buried-structure experiments.