

## CURRICULUM VITAE

### Kevin D. White, Ph.D., P.E.

Emeritus Professor  
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University of South Alabama  
Dept of Civil, Coastal, & Environmental Engineering  
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Mobile, AL 36688

### PROFESSIONAL EXPERIENCE

<b>Emeritus Professor</b>	<b>University of South Alabama</b>	<b>2021-Present</b>
	Dept of Civil, Coastal, & Environmental Engineering	
<b>Chair</b>	<b>University of South Alabama</b>	<b>2005-2021</b>
	Dept of Civil, Coastal, & Environmental Engineering	
<b>Professor</b>	<b>University of South Alabama</b>	<b>2000-2021</b>
	Dept of Civil, Coastal, & Environmental Engineering	
<b>Associate Professor</b>	<b>University of South Alabama</b>	<b>1997-2000</b>
	Department of Civil Engineering	
<b>Assistant Professor</b>	<b>University of South Alabama,</b>	<b>1991-1997</b>
	Department of Civil Engineering	
<b>Water Quality Specialist</b>	<b>US Geological Survey, Water Resources Div.</b>	<b>1989-1990</b>
	Louisville, KY	
<b>Project Chief</b>	<b>US Geological Survey, Water Resources Div.</b>	<b>1989-1990</b>
	Kentucky River Basin Pilot Study	
	National Water Quality Assessment Program	
<b>Hydrologist (Research)</b>	<b>US Geological Survey, Water Resources Div.</b>	<b>1986-1990</b>
	Louisville, KY	

### EDUCATION

<b>Doctor of Philosophy:</b>	<b>Civil Engineering</b>	<b>1986</b>
	<b>Virginia Polytechnic Institute and State University</b>	
	<i>Dissertation: "A comparison of Subsurface Biodegradation Rates of Methanol and Tertiary Butanol in Contaminated and Uncontaminated Sites", John T. Novak, advisor.</i>	
<b>Master of Engineering:</b>	<b>Environmental Engineering</b>	<b>1983</b>
	<b>Louisiana State University</b>	
	<i>Thesis: "Investigation of Heavy Metal Distribution and Relative Contamination of Bottom Sediments", Marty E. Tittlebaum, advisor.</i>	
<b>Bachelor of Science:</b>	<b>Biochemistry</b>	<b>1980</b>
	<b>Louisiana State University</b>	

### LICENSES

Professional Engineer, Alabama, No. 19900

### PROFESSIONAL ORGANIZATIONS

Member, American Society of Civil Engineers (ASCE)  
Member, Water Environment Federation (WEF)

## GRADUATE STUDENTS (as committee chair)

Amir Zafar (Thesis, MSChE), Irvin Pickett (Thesis, MS ETOX), Cecil Bernhard (Thesis, MSCE), Lakia McMillan (Thesis, MS ETOX), Ugo Obiako (Thesis, MS ETOX), Jeff Gill (Thesis, MSCE), Darius Hixon (Thesis, MS ETOX), TJ Rickey (Thesis, MS ETOX), Katherine Beck (MS ETOX), Brandon Maliniemi (MSCE), Rachel Chai (MSCE, and current PhD), Harry McCaskill (current, MSSE), Sheena Neizer (current, Ph.D.), Madison Grace (current, MSCE), Amal Bakchan (current postdoc)

## FUNDED RESEARCH (recent)

“**Blackbelt Wastewater Improvement**”, ADEM (ARPA), 2022-2025, \$2,800,000.

“**Decentralized Wastewater Technology and Management Applications in the Rural Black Belt Alabama**”, USDA, 2021-2025, \$4,850,000.

“**Addressing the Gap in Reliable, Affordable Wastewater Services to Protect Public Health in the United States**”, Columbia (Univ) World Projects Endowment, 2020-2025, 6-University team (Columbia, GaTech, USA, Univ. Alabama, UAB, Cal-Irvine), \$13,566,934 (~\$715,000 to USA), 2020-2024

“**Reinventing Rural Wastewater Management to Improve Water Quality and Public Health in Alabama**”, USEPA Gulf of Mexico Cooperative Agreement, 2019-2022, \$755,000

“**Parking Lot Bioswale Implementations on USA Campus in the Upper Three Mile Creek Watershed**”, Alabama Department of Environmental Management, Clean Water Act Section 319(h) program, 2018-2020, \$159,000

“**Bioinfiltration Swale Implementation on USA Campus Meisler Commons in Upper Three Mile Creek Watershed**”, Alabama Department of Environmental Management, Clean Water Act Section 319(h) program, 2017-2019, \$46,041

## JOURNAL PUBLICATIONS (selected)

Jillian Maxcy-Brown, Mark A. Elliott, Leigh Anne Krometis, Joe Brown, Kevin D. White, Upmanu Lall; 2021, “**Making waves: Right in our backyard- surface discharge of untreated wastewater from homes in the United States**”, *Water Research*, Volume 190, 116647, ISSN 0043-1354, <https://doi.org/10.1016/j.watres.2020.116647>.

Whelton; A.J, McMillan, L., Novy, C.L-R., White, K.D., and Huang, X.; 2017: “**Case Study: The Crude MCHM Chemical Spill Investigation and Recovery in West Virginia USA**”, *Environmental Science: Water Res.Technol.*, 2017, 3, 312-332.,

Whelton, A.J; McMillan, L.; Connell, M.; Kelly, K.M.; Gill, J.P, White, K.D.; Gupta, R.; Dey, R.; and Novy, C.; 2015: “**Residential Tap Water Contamination Following the Freedom Industries Chemical Spill: Perceptions**”, Water Quality, and Health Impacts”, *Environ. Sci. Technol.*, 49 (2), pp 813–823

Tabor, M.L.; Newman, D.; Boettcher, A.; White, K.D.; Steward, E.; and Whelton, A.; 2014: “**An Investigation of Water Quality and Aquatic Toxicity Concerns of CIPP Rehabilitated Infrastructure**”,

McCoy, C., Cooley, J., and White, K.D.; 2004: “**Turning Wastewater into Wine -- Wastewater Woes in Alabama’s Black Belt Leads to New Opportunities**”, *Water Environment and Technology*, Vol. 16, No. 11.

White, K.D. and West, L.T., 2003; “**In-Ground Dispersal of Wastewater Effluent: The Science of Getting Water into the Ground**”, *Small Flows Quarterly*, Vol. 4, No.2.

Barrett, E.C.; Sobsey, M.; House, C.H.; and White, K.D.; 2001, “**Microbial Indicator Removal in Onsite Constructed Wetlands for Wastewater Treatment in the Southeastern U.S.**”, *Water Science and Technology*, 44 11-12):177-182.