



Water Quality & Treatment Solutions, Inc.
An Environmental Engineering & Science Consulting Company

Nik Vishwanath, EIT

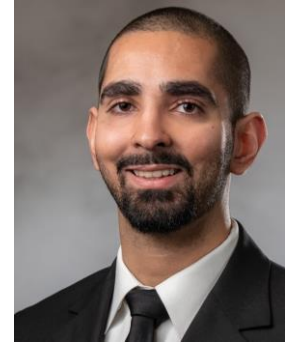
21018 Osborne Street, Ste. 1
Canoga Park, CA 91304
Tel: 818-626-3619

Email: nik.vishwanath@WQTS.com
URL: <http://www.WQTS.com>

EDUCATION:

M.S., Environmental Engineering, Loyola Marymount University
B.S., Biology, Loyola Marymount University

2017
2014



REGISTRATION:

Engineer in Training, California (2016). Registration Number 162037

PROFESSIONAL EXPERIENCE:

Water Quality & Treatment Solutions, Inc.

Los Angeles, California

February 2020 - Present: Associate Engineer

University of Idaho

Moscow, Idaho

January - December 2019: Research Assistant

Jubilant HollisterStier

Spokane, Washington

January - June 2018: Environmental, Health & Safety Intern

The Lands Council

Spokane, Washington

June - September 2017: Contracted Field Technician

Loyola Marymount University

Los Angeles, California

May 2015 - December 2016: Research Assistant

SUMMARY:

Nik Vishwanath is a graduate of Loyola Marymount University with a Bachelor of Science degree in Biology and a Master of Science degree in Civil Engineering (Environmental Emphasis). He brings to WQTS several years of experience in conducting research on water quality, including projects that assessed the removal of stormwater pollutants in an engineered stormwater bioretention system and tracked the sources of fecal pollution in surface waters. Since joining WQTS, Nik has been involved with bench, pilot and demonstration-scale projects including a pilot-scale study examining the effect of raising the pH on the release of heavy metals from home plumbing, a demonstration-scale study assessing TOC removal and DBP reduction with GAC adsorbers, and a bench-scale study evaluating the removal of perchlorate, nitrate, VOCs, and 1,4-Dioxane through biological treatment, Ion Exchange, and UV-AOP.

EXAMPLE PROJECTS:

Pilot Testing of pH Adjustment for Corrosion Control

Los Angeles Department of Water and Power, Los Angeles, California

WQTS is conducting pilot-scale testing in Canoga Park to quantify the impact of raising the pH of Los Angeles Aqueduct Filtration Plant (LAAFP) water on metals release from home plumbing. Nik is involved with daily monitoring of the pilot plant, weekly water quality sampling and analysis, as well as data management.

Demonstration-Scale Testing of Disinfectant Byproduct Treatment and Control

Goleta Water District, Goleta, California

WQTS has conducted pilot-scale testing and is now conducting demonstration-scale testing to evaluate the effectiveness of granular activated carbon (GAC) in the treatment of total organic carbon (TOC) for disinfection byproduct (DBP) reduction at the Corona Del Mar Water Treatment Plant (CDMWTP). Nik is involved with sampling, water quality analysis, and data management for the demonstration-scale portion of this project.

Bench-Scale Testing of Treatment Technologies

Water Replenishment District, Los Angeles, California

WQTS conducted bench-scale testing to evaluate the performance and efficiency of potential treatment technologies for the removal of perchlorate, nitrate, volatile organic compounds (VOCs), and 1,4-Dioxane from contaminated groundwater. Nik was involved with daily monitoring, sampling, and data management.

Filter Core Evaluation

Serrano Water District, Villa Park, California

WQTS conducted a filter core evaluation at Serrano Water District's Walter E. Howler Jr. Water Treatment Plant (WEHWTP). Nik was involved with the measurement of filter media depth, collection of filter core samples, data management, and writing the report.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- Southern California Society of Environmental Toxicologists and Chemists (SETAC)
- American Academy of Environmental Engineers & Scientists (AAEES)

RECOGNITIONS & AWARDS:

- Outstanding Graduating Graduate Student Award in Civil Engineering, LMU – 2017
- Outstanding Continuing Graduate Student Award in Civil Engineering, LMU – 2016

PRESENTATIONS:

1. Vishwanath, N., Winford, E., Sprinkle, J., Kolok, A., Strickland, M., Findlay, R., and Lucas, J. 2020. Mink Creek Watershed E. coli Study. Presented to the United States Forest Service, Caribou-Targhee National Forest Westside Range District, Pocatello, ID.
2. Topping, M., Ali, J., Noble, B., Vishwanath, N., Bartelt-Hunt, S., Kolok, A., 2019. Crowd-Sourced Research as a Data Acquisition Tool for Use in the Columbia River Basin. Idaho Water Quality Workshop, Boise, ID.

3. Bean, A. , Ali, J., Noble, B., Vishwanath, N., Topping, M., Sangster, J., Bartelt-Hunt S, and Kolok, A. 2019. Temporal Variability of Nutrients and Agrichemicals in Waterways Across Illinois. National Water Monitoring Conference, Denver, CO.
4. Vishwanath, N., Adams, R., Dorsey, J., Landrey, J., 2017. Spatial and Temporal Trends in Heavy Metal Concentrations Measured in Marine Bivalves (*Mytilus galloprovincialis*) Sampled from Southern California Urban Coastal Waterways. Southern California Society of Environmental Toxicologists and Chemists Annual Conference, Oceanside, CA