



Kelsey Henderson, E.I.T.

WASTEWATER DESIGN ENGINEER

ABOUT KELSEY

Kelsey joined T-Square in January of 2020 as a Wastewater Design Engineer. She has experience with systems ranging from residential treatment of domestic sewage to industrial treatment of high-strength food processing wastes. Her entry into wastewater was through an internship at the Williamson County Dept of Sewage Disposal Management where she worked with and under T-Square's current Wastewater Project Manager Eric Jervis during his tenure as lead design reviewer at WCDSDM.

EDUCATION

B.S. in Biosystems Engineering
The University of Tennessee, Knoxville

M.S. in Food, Agricultural, and Biological Engineering
The Ohio State University

PUBLICATIONS

"Reverse Osmosis as a Chemical-Free Technology for the Removal of Nutrients from Cured Meat Processing Wastewater" – 2019, Master's Thesis on OhioLINK Electronic Theses and Dissertations Center

"Reverse osmosis treating cured meat processing wastewater for removal of inorganic nutrients and salt" – 2019, ASABE Annual International Meeting 2019 Conference Paper #1900350

RESPONSIBILITIES

- Design of onsite wastewater treatment systems including:
 - LPP and MLPP septic systems for single-family residences
 - Decentralized residential systems for subdivisions
 - Alternative treatment systems for residential and commercial applications
- Preparation of permit applications for various governmental agencies

ORGANIZATIONS

American Society of Agricultural and Biological Engineers (ASABE)

Tennessee Onsite Wastewater Association (TOWA)