

JESSE C. LI, E.I.

Staff Engineer - Raleigh, NC

Academic Credentials:

B.S. Environmental & Ecological Engineering, 2018
Purdue University, West Lafayette, IN
M.S. Civil Engineering, 2019
Purdue University, West Lafayette, IN

Professional Credentials:

Engineer Intern Certificate
OSHA 30 Hour Construction Safety and Health
Training

Employment Record:

2019 - Present - Smith Gardner, Inc.

Areas of Expertise:

Construction Quality Assurance (CQA)
Stormwater Modeling and Design
Leachate Management System Design
Environmental Compliance



Mr. Li has experience with the review of leachate system management, leachate management system design, looking specifically at pump station design and selection. He also has experience in preparing drawings, technical specification documents, construction quality assurance documents, stormwater calculations, and financial assurance estimates for major permit modifications.

Mr. Li is a graduate of Purdue University receiving his undergraduate degree in Environmental and Ecological Engineering and his master's degree in Civil Engineering prior to joining Smith Gardner in 2019.

His master's degree focused on hydraulics and hydrology which included coursework in coastal engineering, groundwater modeling using MODFLOW, hydrologic modeling using HEC-HMS and GIS, stream restoration design, and solid and hazardous waste management.

Mr. Li began his time at S+G organizing and tracking landfill sites that require periodic stormwater discharge monitoring covered by NPDES permits. He has also been involved in the review of a leachate management system design, looking specifically at pump station design and selection. He has helped prepare documentation, calculations, and estimates for major permit modifications of existing landfills.

He has experience preparing bid and construction issue documentation as well as providing construction quality assurance (CQA) monitoring of construction activities at MSW landfills. He also has experience providing operational support for MSW landfills.

Mr. Li has field experience includes stormwater discharge sampling, BMP inspections, stack test monitoring, and landfill gas monitoring.