



Richard Salas, EIT
Engineer I

Education

BS, Environmental Engineering, Colorado State University, 2018
AA, Russian, Defense Language Institute, 2013

Experience Summary

Mr. Salas is a Staff Engineer with experience in hydrology and hydraulics. His expertise lies in environmental permitting, regulation, and water resources. He has experience using hydraulic and hydrologic computer modeling (HEC-RAS and HEC-HMS), GIS, and AutoCAD Civil 3D.

Project Experience

Hydrology / Hydraulics

CURRIE DAM HAZARD CLASSIFICATION, ANALYSIS, AND DESIGN | COLORADO

Prepared a hydrology report and hydraulic model using HEC-RAS and HEC-HMS to conduct dam breach analysis and analysis of critical downstream cross-sections. Determined hazard classification of the dam based on Colorado criteria using available topography. Prepare conceptual design alternatives and construction cost estimate for new or altered dam spillway to provide a cost effective and timely solution to the currently damaged dam. (Colorado State University, 2017 to 2018)

RAWHIDE ENERGY STATION | COLORADO

Conducted weekly inspection of Coal Combustion Residuals (CCR) bottom ash transfer ponds and CCR landfill to ensure Environmental Protection Agency (EPA) and state compliance. Measured groundwater levels around CCR bottom ash transfer ponds to monitor leachate and groundwater contamination. Assisted in collection, management and safe storage of on-site hazardous and non-hazardous solid waste in Solid Waste Accumulation Facility (SWAF) in accordance to the Resource Conservation and Recovery Act (RCRA). (Platte River Power Authority, 2017 to 2018)

Professional Affiliations

American Water Works Association, Member
Colorado State University Environmental Engineering Society, Member

Employment History

CURRENT EMPLOYER	TIERRA GROUP INTERNATIONAL, LTD.
POSITION	Staff Engineer
YEARS	2018 to Present
CURRENT EMPLOYER	PLATTE RIVER POWER AUTHORITY
POSITION	Internship
YEARS	2017 to 2018

EMPLOYER	VARIOUS SEASONAL / TEMPORARY POSITIONS
POSITION	Field/Laboratory Technician
YEARS	2013 to 2017

EMPLOYER	U.S. AIR FORCE / NATIONAL SECURITY AGENCY (NSA)
POSITION	Staff Sergeant/Intelligence Language Analyst
YEARS	2006 to 2013

Language Proficiency

Spanish: Fluent
Russian: Conversational