



JOHN MICHAEL CORN, P.E.

EDUCATION:

B.S. Chemical Engineering, University of Tennessee, Knoxville, Tennessee, 2001
M.E. Environmental Engineering, Vanderbilt University, Nashville, Tennessee, December 2013

PROFESSIONAL LICENSES AND CERTIFICATIONS:

Professional Engineer, Tennessee

PROFESSIONAL TRAINING:

40-Hour Training for Hazardous Waste Operations and Emergency Response (HAZWOPER)

CURRENT PROFESSIONAL INVOLVEMENT: 2003 - present, AquAeTer, Operations Manager

Mr. Corn is in charge of all operations of the Technical staff in the Brentwood office. He oversees technical quality, budgets, and personnel resources. Mr. Corn is experienced in environmental engineering. His current projects include water quality studies and modeling, hydraulic and hydrologic analyses, air emissions calculations and modeling, environmental litigation support, dispersion studies, groundwater investigations, geomorphologic analysis, wastewater treatment selection, bioaccumulation, and environmental site assessments. He has been involved in environmental sampling, bench and pilot-scale studies, groundwater tracer tests, site assessments for spill prevention control & countermeasures plans, total maximum load analyses studies, design of single-port and multi-port diffusers, statistical distribution analyses, emissions estimations for facility permitting, toxicity testing, surface water remediation, and project planning and budgeting. He recently completed a study involving HEC-HMS modeling where he was responsible for projecting various rainfall events up to the PMP and the resultant runoff from a large basin for transport of radionuclides.

PRIOR PROFESSIONAL INVOLVEMENT:

2002-2003 Environmental Systems Corp., Senior Technologist. Mr. Corn's work included management and development of over 90 SPCC Plans, asbestos surveys, and air quality assessments.
2000-2001 AquAeTer, Inc., Summer and Winter Intern. Mr. Corn's work included tidal dispersion study, creosote emissions analyses, SVE system design, groundwater and soil monitoring, and ambient air monitoring.

AREAS OF EXPERTISE:

Environmental Investigations and Remediation

Ambient Air Testing and Monitoring
Air Modeling
Water Quality Monitoring and Modeling
Total Maximum Daily Load Determination
Dispersion Analysis
Site Remediation
Soil/Groundwater Investigations
Bioremediation
Bench & Pilot Scale Studies
Asbestos Sampling Evaluation
Sediment Investigation and Surveys
Bathymetric Surveys
Hydrologic Analyses
Biological Investigations
Flood Sampling and Flow Analysis
Creek Surveys and Profile Assessment

Industrial

Wood Treatment
Chemical Hazard Analysis
Air Emission Inventories
Emission Data Analysis

Emission Control Evaluation

State Voluntary Cleanup Programs

Permitting and Best Management Plans (BMPs)

Title V & Minor Source Operating Permits
NPDES
SPCC Plans
BMPs for Sediment Control, Discharge Control,
Sediment Mitigation
Source Identification
Section 10/404 Permitting

Water Quality Modeling

HEC
EFDC/WASP
EPD-RIV1
CORMIX
Visual PLUMES
WATER9
TR-55

Air Emissions Modeling

AERMOD
WATER9