

MICHELLE WALKER OWENBY

EDUCATION

Vermont Law School, South Royalton, VT

L.L.M. in Environmental Law, *summa cum laude*, August 2011

- Relevant course work: Risk Assessment, Climate Change, Renewable Energy & Other Alternative Fuels, Natural Resources Law, Ecology, Renewable Energy Project Finance and Development and Teaching Projects

Vermont Law School, South Royalton, VT

Juris Doctor, *magna cum laude*, May 2003

- Notes Editor, Vermont Law Review 2001-2003
- Vermont Law School Dean's Fellow (writing instructor) 2003
- Member, Environmental Law Society

The Georgia Institute of Technology, Atlanta, GA

B.S., History of Technology and Society with 15 specialized hours in public policy, August 1999

EXPERIENCE

Tennessee Department of Environment and Conservation

Nashville, Tennessee

Director, Division of Air Pollution Control 12/15-present

- Leads a division with eight programs, manages operations across the state and oversees four local air programs in Knox, Hamilton, Davison, and Shelby counties.
- Oversees program operations in ambient monitoring, air quality forecasting, compliance validation and inspections, permitting, regulatory and state implementation plan development and enforcement.
- Serves as the Technical Secretary for the Tennessee Air Pollution Control Board.
- Accomplishments: improved division work processes to meet or exceed established national levels for SRF timeframes; restored Tennessee's Ambient Monitoring Network and dramatically improved the program's TSA audit performance; successfully transitioned permitting section from geographic based permitting to sector based permitting; led division through 8 successful fee rulemakings to improve program revenue in light of declining emissions; developed and implemented successful succession plans for critical program work functions.

CONTACT



Division of Air Pollution Control
Davy Crockett Tower, 7th Floor
500 James Robertson Parkway
Nashville, TN 37243
(615) 5332-0554
michelle.b.walker@tn.gov

Michelle Walker Owenby leads a division of over 120 state workers across 8 program areas and manages a 15-million-dollar program budget. The division implements the Tennessee Air Quality Act and applicable delegated programs under the federal Clean Air Act as well as directing strategic plans and considerations around air quality management approaches in Tennessee.

Michelle is licensed to practice law in Tennessee, Georgia and Vermont.



MARY-MARGARET CHANDLER, MBA

7975 Old Springfield Pike, Goodlettsville, Tennessee 37072 - (304) 546-4109 - mandm1075@aol.com

PROFESSIONAL EXPERIENCE

Tennessee Department of Environment and Conservation

01/18-present

Business Administrator

Finance and grants manager

Tasks: Develop and manage division budget, conduct cost analysis including fiscal review of revenue and expense forecasting, coordinate federal grant applications, create grant compliance reporting, manage the development of business policies and procedures including audit and fiscal compliance programs, and serve as a lean facilitator and project manager.

Tennessee Department of Health

10/16-01/18

Emergency Preparedness Finance Manager

Deputy Director of state hospital preparedness program

Tasks: Develop and manage budget responsible for a purchasing agent and contract administrator, apply for federal grants, create a grant compliance guide for all awardees, author of Department of Health emergency purchasing card policy and procedure, serve as finance lead in operations center during state public health emergencies, and provide regular reporting to the federal government and state health officials.

West Virginia State Tax Department

11/11-10/16

Tax and Revenue Director

Director of state agency

Tasks: Manage agency responsible for tax revenue and collections including internal audit, implemented cumulative budget cut of 25% over five years, create and update personnel policies and operational procedures, evaluate key developments and enlisting of subordinates for issue resolution, leader of plain speak initiative, interpret state code and draft rules, communicate with legislature, prepare fiscal notes, empower and develop employees, and collaborate with administrators in other states. Member of Southeastern Association of Tax Administrators, speak at public events such as "Working Together with Society of CPAs" and "West Virginia Small Business Forum".

Mid-Atlantic Technology Research and Innovation Center

07/07-11/11

Director of Communications

Public relations and communications manager

Tasks: Prepare press releases clearly communicating scientific and technical message for multi-media, respond to press calls using good judgment, prepare website content, develop podcasts, organize press conferences and annual meeting, prepare press kits, and create marketing material such as quarterly newsletters, promotional flyers, and trade show displays.

Certus Scientific LLC

07/07-11/11

Owner/Managing Member

Entrepreneur of a small engineering firm

Tasks: Crafted a business model offering technology development and innovative solutions using retired high-level chemists and engineers to support government and industry. Collaborate with scientific staff to effectively communicate complex technical messages to build our network of partners. Perform duties in all aspects of the business including business development, sales, marketing, accounting, tax filings, and human resources. Develop, write, and edit competitive technical proposals. Serve as project manager of NASA software project.

United States House of Representatives**01/06-07/07****District Field Director**

Manager of external affairs

Tasks: Responsible for community outreach and activities in the Congressional District. Maintain official external relations with federal, state, and local officials. Develop and implement district field offices. Evaluate economic development and infrastructure projects for appropriations, work with committee staff, and generate support letters on behalf of the MOC. Prepare original speeches and remarks for district events. Plan and organize district events. Manage Military Service Academy nominations and Military Review Board. Serve on Board of Director's of Riverside High School Finance Academy and Mountaineer Food Bank.

United States House of Representatives**08/01-01/06****Casework Specialist**

Government liaison

Tasks: Provide specialized assistance and problem resolution to constituents, community, and interest groups in all 18 counties the MOC represents. Create original written responses to constituents using the first person view of the MOC. Prepare original speeches and remarks for district events. Plan and organize district events. Coordinate intern program. Manage Military Service Academy nominations and Military Review Board.

Philip Morris USA**11/98-07/01****Territory Sales Manager**

Sales and marketing manager

Tasks: Effectively communicate category profitability through pricing strategies, merchandising agreements, and purchasing agreements. Ensure compliance with government mandates. Assist in development of Youth Smoking Prevention promotional materials for national marketing plan. Maintain client base of 150 accounts including 4 wholesale and regional chain accounts. Recruit, hire, train, and manage merchandising staff.

EDUCATION

West Virginia University**05/07****Master of Business Administration**

Recipient of WVU-China Study Abroad Scholarship - Summer 2006
Export management consultant for FCX, Inc. and West Virginia Timber

Glenville State College**05/98****Bachelor of Science – Business Administration**

Molly R. Cripps, Director

Molly oversees TDEC OEP, which is comprised of two sections: the Governor-designated State Energy Office (SEO) and the State Facility Utility Management Section (SFUM). In addition to Molly's energy-related work, she serves as the Director of Operations for TDEC's Bureau of Environment, including emergency response efforts.

Molly leads teams that focus on the design and implementation of clean energy and sustainable transportation programs and projects, including those funded by the Infrastructure Investment and Jobs Act and Inflation Reduction Act, as well as Tennessee's allocation under the Volkswagen Diesel Settlement Environmental Mitigation Trust (VW Settlement EMT). She serves as Governor Lee's designee to the State Energy Policy Council and represents TDEC on the Energy Efficient Schools Council and various TVA information exchanges and working groups. She also supports Governor Lee's Nuclear Energy Advisory Council and is a member of the Executive Committee for the Drive Electric TN Consortium. Molly has served on the National Association of State Energy Officials (NASEO) Board of Directors since 2014 and is currently serving as the Vice-Chair of the Executive Committee.

During ARRA, Molly served as Principal Investigator / Project Manager for the West Tennessee Solar Farm (June 2011 - December 2013). She oversaw subrecipients University of Tennessee's and University of Tennessee Research Foundation's and general contractor Signal Energy's efforts regarding the design, build, and installation of a ~\$31 million U.S. DOE SEP ARRA-funded demonstration project consisting of a 5 megawatt (MW) direct current (DC) solar photovoltaic installation, which was the largest solar installation in the TVA service territory at commissioning in 2012 and the largest solar photovoltaic (PV) installation funded under the SEP-ARRA program, and an interactive educational display.

Prior to joining TDEC in 2010, Molly spent several years practicing law in Tennessee, with a focus on compliance and municipal liability defense. She holds a B.A. in History and Political Science from the University of Tennessee and a J.D. from Vanderbilt University Law School.

Alexa S. Voytek
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615-613-1096

WORK EXPERIENCE

Tennessee Department of Environment and Conservation, Office of Energy Programs (TDEC OEP) – Deputy Director of Programs / Innovation & Transportation / Communications (February 2015-present)

- Principal Investigator and primary technical point of contact for the U.S. Department of Energy State Energy Program Annual Formula Grant for the State of Tennessee (State Energy Program funds are utilized to provide education, outreach, technical assistance, and/or funding and financing opportunities related to: energy efficiency; energy management; renewable energy; energy security, planning, preparedness, and response; and alternative fuel and sustainable transportation options. Additional, related topics of proficiency: battery storage, integrated resource planning, electric vehicle infrastructure planning, energy efficient mobility systems, resiliency planning, data analytics.)
 - Manages program design, planning, implementation, compliance, and reporting on the State Energy Office's use of this funding.
 - Co-Chair of the [National Association of State Energy Officials' \(NASEO\) Transportation Committee](#) and Advisory Group member for the [NASEO Energy Technology Innovation Project](#)
- Manager of the Office of Energy Programs' [Energy in Transportation Team](#)
 - Primary point of contact for [Volkswagen Diesel Settlement's Environmental Mitigation Trust](#), [Fast Charge TN Network](#), and related Programs
 - Serves as State Energy Office Advisor in the NASEO / National Association of Clean Air Agencies VW Settlement Working Group, which enables state-to-state communication on the VW Settlement Environmental Mitigation Trust; facilitates monthly calls with State Energy Offices, Air Agencies, and other Lead Agencies to address pressing questions related to the settlement, allow peer-to-peer networking and information sharing, and explore potential multi-state activities.
 - Leads OEP's engagement with the TN Department of Transportation on the implementation of the [State of Tennessee's Deployment Plan](#) under the National Electric Vehicle Infrastructure (NEVI) Program (funded by the Infrastructure Investment and Jobs Act (IIJA)); supports TDOT in administering NEVI funding and in supporting applications for the competitive IIJA Grants for Charging and Fueling Infrastructure Discretionary Grant Program.
 - Oversees administration of the State Diesel Emissions Reduction Act (DERA) annual formula funding from the U.S. EPA.
 - Co-founder and Team Lead for the [Southeast Regional Electric Vehicle Information Exchange](#), a working group comprised of all Southeast State Energy Offices that focuses on the coordination of interstate corridor charging infrastructure efforts and advancing the adoption of electric vehicles.

- Established goals for and reports on the development of a statewide electric vehicle corridor charging network, which were incorporated within the Tennessee Department of Environment and Conservation's 2020-2024 Strategic Plan.
- Executive Committee member for [Drive Electric Tennessee](#)
 - Contributed to the development of an [Electric Vehicle Roadmap](#), which establishes a goal to increase light-duty electric vehicle adoption to 200,000 vehicles by 2028 and identifies projects and initiatives for local stakeholder implementation that will increase electric vehicle adoption across multiple use cases and sectors.
- Coalition Director for the U.S. Department of Energy's Clean Cities [Middle-West Tennessee Clean Fuels Coalition](#) (MWTFCF), an active 501(c)3 that serves 47 counties in Tennessee
 - Works directly with 20+ fleets within the Middle-West Tennessee region on projects to increase use of alternative fuels; this work has resulted in a 31% increase in gasoline gallon equivalent reductions year over year by stakeholders, with approximately 5,900 vehicles now utilizing 11.6 million gasoline gallon equivalents of alternative fuels annually.
 - Provides technical assistance and targeted education and outreach within the coalition's territory to raise awareness and foster a greater understanding of alternative fuels and advanced vehicle technologies; supports a variety of users and fleet types (e.g., delivery, long-haul trucking, refuse, transit, etc.) to evaluate funding opportunities, technologies, and resources that best meet their needs.
- Led efforts, in conjunction with TDOT, to successfully designate I-40, I-24, I-65, I-75, I-81, I-26, and part of U.S. 64 in Tennessee as alternative fuel corridors with the Federal Highway Administration
- Principal Investigator for the U.S. Department of Energy Grid Resilience Formula Grant Program, funded under the Infrastructure Investment and Jobs Act. The objective of this Program is to maintain and enhance the reliability and resilience of the electric grid, with the goal of minimizing the frequency and duration of power outages resulting from natural hazards.
- Primary contact for strategic planning and policy development
 - Presents information to and develops work products for the State Energy Policy Council, which serves as the central energy policy planning body for Tennessee.
 - Serves as the Governor's designee to the Tennessee Valley Authority (TVA) Regional Energy Resource Council, which provides guidance on how TVA manages its energy resources against competing objectives and values.
 - Supports the design and implementation of various programs funded under the Infrastructure Investment and Jobs Act and Inflation Reduction Act (e.g., Solar for All, Revolving Loan Fund Capitalization Grant Program, Energy Efficiency and Conservation Block Grant Program, Training for Residential Energy Contractors Program, Home Energy Efficiency Rebate Programs, etc.)
- Co-leads OEP's engagement with TN Economic & Community Development during recruitment and retention efforts concerning energy related businesses and industries

- Co-leads OEP's engagement with TN Department of Transportation, Oak Ridge National Laboratory, Tennessee Valley Authority, local governments, and other stakeholders regarding various efforts to identify and secure federal funding for clean energy research and development, deployment, technical assistance, and/or policy advancement

Ketchum Inc., International Corporate Practice – Assistant Account Executive (NYC, July 2013-January 2015)

- Provided communications/media relations counsel to energy and technology-related organizations; generated social media content and formulated overall social media strategy on behalf of clients; monitored daily media activity; wrote bi-weekly issue paper on technology and innovation news for clients.
- Promoted clients' policy achievements in the press and among legislators and influencers; secured media placements in outlets such as the Wall Street Journal, EnergyWire, and Natural Gas Europe; arranged third party blog contributions from prominent CEOs and influencers.
- Secured four awards for work on a natural gas vehicle campaign: Best Global PR and Honorable Mention for Best Location-Based Campaign at Ragan's 2014 PR Daily Awards; Silver Anvil for Global Communications and Silver Anvil Award of Excellence for Events & Observances at the 2014 PRSA Silver Anvil Awards.

EDUCATION

Columbia University, M.A. 2013 - Topic of Study: Russian, East European, Balkan, and Eurasian Studies

Duke University, B.A. 2011 - Majors: History & Russian Language/Area Studies **GPA:** 3.92/4.0; Graduated summa cum laude and with high distinction, **Dean's List** (2007-2011)

Nola Hastings

PROFESSIONAL EXPERIENCE

Tennessee Department of Environment and Conservation, Office of Energy Programs, Nashville, TN
Senior Grants Program Coordinator, 11/2022 – Present

- Support planning, design, implementation, compliance, procurement, reporting, project monitoring, and grantee and consultant contract management of programs funded under the Bipartisan Infrastructure Law and Inflation Reduction Act. This includes the Grid Resilience Formula Grant Program, the Revolving Loan Fund Capitalization Grant Program, the Energy Efficiency Conservation Block Grant Program, the Energy Efficiency Contractor Training Grant Program, the Home Energy Rebate Programs, and the EPA Solar for All Program.
- Serve as the Compliance Coordinator for energy equity, Justice40, and environmental justice requirements.

Irvine Ranch Water District, Irvine, CA
Water Efficiency Supervisor, 06/2018-06/2021

- Designed, executed, and managed customer-focused sustainability projects and programs.
- Analyzed information and data to determine program effectiveness and recommend changes to policies and procedures.
- Developed and managed program budgets.
- Developed Requests for Proposals, aided in selection and monitored performance of consultants and contractors.
- Provided guidance, supervision, and motivation to team of eight direct reports.
- Handled elevated customer concerns.
- Developed department program implementation plans.

Hastings & Company, Inc., Yorba Linda, CA
Independent Consultant, Program/Project Manager, 11/1998-06/2018

- Collaborated with diverse stakeholders to design and implement projects and programs, manage timelines, and budgets.
- Concurrently managed multiple contracts and delivered projects on time and within budget.
- Communicated difficult concepts to a variety of audiences.
- Worked independently as well as on teams.
- Quickly adapted to changes in workload and request from clients.

EDUCATION

California State University, Fullerton, CA
Master of Arts, Geography

California State University, Fullerton, CA
Bachelor of Arts, Liberal Studies

Orange County Extended Education, Santa Ana, CA
Project Management Certificate

Mark Finlay, Sr. Energy Analyst, TDEC OEP / Program Partner, MWTCF

Education and Training

Syracuse University, Syracuse, NY, 2019 – Master of Public Administration

SUNY-ESF, Syracuse, NY, 2019 – Master of Professional Studies, Sustainable Energy

University of Michigan, Ann Arbor, MI, 2016 – Bachelor of Science, Earth and Environmental Sciences

Professional Experience

TN Department of Environment & Conservation – Office of Energy Programs (TDEC OEP), Sr. Energy Analyst (August 2019 – present)

- Contributes to sustainable transportation programming efforts and communications deliverables, including administration of the VW Settlement EMT for the State of Tennessee, the State's allocation of Diesel Emission Reduction Act funds, and planning and implementation of the State's NEVI funds; alternative fuels infrastructure planning, energy data and information collection and analysis, networking efforts, and communications
- Serves as the Principal Investigator for a DOE-funded project under DE-FOA-0002324
- Serves as Emergency Support Function-12 Energy Coordinator Alternate for Tennessee

Middle-West TN Clean Fuels, Clean Cities, Program Partner (August 2019 – present)

- Assists coalition director in meeting program deliverables and targets involving alternative fuels demonstration, education, and outreach; data collection and analysis; industry and commercial networking; and alternative fuels funding and financing
- Serves as the coalition lead on multiple DOE-funded sustainable transportation projects, including the Medium Duty eTruck Pilot Project and Second-life Battery in Mobile EV Charging Application for Rural Transportation (SMART) project

Solar Energy Industries Association (SEIA), Project Consultant (May 2019-June 2019)

- Worked to quantitatively analyze the relationship between the marginal costs of incremental energy efficiency investments in homes, solar PV costs, and geography to determine cost-effective pathways to reducing new home net energy footprints
- Report to inform advocacy for solar PV as a compliance tool for new home energy codes

SUNY College of Environmental Science and Forestry, Graduate Teaching Assistant (January 2017-May 2019)

- Assisted in the instruction of courses in sustainable energy policy, energy resource assessment, life cycle assessment, energy policy assessment methodologies, energy markets, physics of energy, and meteorology

Clean Communities of Central NY, Clean Cities, Intern (September 2018-April 2019)

- Assisted in the coordination of installation of electric vehicle charging and alternative fueling stations, outreach and education events, and stakeholder engagement and technical assistance

University of Michigan, School of Natural Resources and the Environment, Research Assistant (June 2016-September 2016)

- Worked to imagine, construct, and develop a published academy case study investigating the socioeconomic impacts of the cultivation of the biofuel feedstock *Jatropha curcas* in Ghana

LIZZY GAVIRIA

615-917-0613 | Lizzy.Gaviria@tn.gov

Lizzy is a Grants Analyst for the Tennessee State Energy Office, where she primarily supports transportation programming. She assists with the implementation of Tennessee's five Volkswagen Settlement Environmental Mitigation Trust Grant Programs, conducts data collection efforts and community engagement activities for the Middle-West Tennessee Clean Fuels Coalition, and serves as a Committee Co-chair for Drive Electric Tennessee's Policies and Programs Working Group.

EXPERIENCE

GRANTS ANALYST

Tennessee Department of Environment and Conservation, Office of Energy Programs | Nashville, TN

JULY 2022 - PRESENT

Working closely with grantees to conduct onsite monitoring and maintain updated compliance documentation in accordance with federal and state requirements, such as Title VI training, environmental reviews, site host agreements, and project reporting for VW Grant Programs. Conduct stakeholder engagement, outreach, and technical assistance as it relates to alternative fuel transportation offerings, advanced vehicle technologies, and available funding opportunities in TN.

TRANSPORTATION INTERN

Middle-West Tennessee Clean Fuels | Nashville, TN

JUNE – DECEMBER 2020

Participated in the Clean Cities University Workforce Development Program under the U.S. Dept. of Energy. Assisted with stakeholder outreach and communications, conducted industry analysis, and created marketing materials.

STUDENT RESEARCH ASSISTANT

Brown University | Remote

2021 - 2022

Generated and analyzed modern precipitation pathways in the Western U.S. Presented findings at the American Meteorological Society's 2022 Student Meeting and the 2022 Rice Undergraduate Research Symposium.

EDUCATION

BACHELOR OF SCIENCE, ENVIRONMENTAL SCIENCE, MINOR IN ENERGY & WATER SUSTAINABILITY

Rice University | Houston, TX

May 2022

- Completed the DIS Copenhagen Sustainable Development in Northern Europe study abroad program

SKILLS

- Microsoft Office
- Community engagement
- Grants management
- Subrecipient monitoring
- Stakeholder communication
- Conversational Spanish

Heidi E. McIntyre-Wilkinson

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Heidi.E.McIntyre-Wilkinson@tn.gov

Academic Background:

August 2003 - August 2005

Masters of Science-Environmental Sciences

Arkansas State University, State University, Arkansas

January 2001 - December 2002

Masters of Science-Animal Science

Angelo State University, San Angelo, Texas

August 1996 - December 1999

Bachelor of Science-Agriculture

Texas A&M University-Kingsville, Kingsville, Texas

Professional Experience:

Grants Program Manager

February 2024 - Present

Tennessee Department of Environment and Conservation

- 1 Assist with the implementation of the Department of Energy's (DOE) Grid Resilience State and Tribal Formula Grants program including public involvement, development of subrecipient selection criteria, record-keeping, etc.
- 2 Provide administrative support for additional grant programs such as U.S. Environmental Protection Agency (USEPA) Solar for All grant program.
- 3 Provide environmental compliance support.

Environmental Specialist 4 (Grants Management Specialist)

March 2016 – February 2024

Tennessee Department of Agriculture

- 1 Act as project manager for multiple projects funded under Section 319 Grants totaling over \$1 million, including (but not limited to) the review/selection of proposals, providing technical assistance to grantees, communicating expectations to grant recipients, and tracking project progress and budget.
- 2 Complete all USEPA data entry requirements in the Grants Reporting and Tracking System (GRTS), including nutrient load reduction estimation utilizing the Spreadsheet Tool for Estimating Pollutant Load (STEPL) and the Pollutant Load Estimation Tool (PLET).
- 3 Assist with additional USEPA federal grant reporting requirements such as Annual Reports and Closeout Reports.
- 4 Assist with the development and implementation of the SmartSimple Grants Management Software (GMS) including internal/external testing, training, business process flow design, and coordinating with vendors.
- 5 Provide nonpoint source water pollution and agricultural education/outreach through exhibits and presentations to inform producers of available grant programs, as well as serve in working groups (e.g. Sustainable Tennessee).
- 6 Research and develop nonpoint source Success Stories for publication with USEPA.
- 7 Perform quality assurance/quality control review of Section 319 Grant projects and Agricultural Resources Conservation Fund (ARCF) projects.
- 8 Develop and deliver training-on-demand/workshops for the public, grant recipients, and conservation groups.
- 9 Provide geographic information system (GIS) services, such as the creation of exhibits and data analysis/summary for various State and Federal agencies, not-for-profit groups, and the public.
- 10 Perform website maintenance using Adobe Experience Manager (AEM).

Environmental Specialist 3 (Permitting Specialist)

October 2013 – March 2016

Tennessee Department of Agriculture

- 1 Performed comprehensive reviews of Nutrient Management Plans and Concentrated Animal Feeding Operation (CAFO) permit applications on behalf of the Tennessee Department of Environment and Conservation (TDEC).
- 2 Coordinated with various state and federal agencies including the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) and Farm Service Agency (FSA).

- 3 Provided technical assistance to consultants, producers, and commodity groups with regards to CAFO rules and regulations.
- 4 Acted as project manager for various projects funded under Section 319 Grants, including the review/rating of proposals, assisting in proposal selection, providing technical assistance to grantees, and tracking project progress.
- 5 Assisted with education/outreach activities, such as permitting workshops.

Environmental Scientist (Compliance Specialist)

January 2010 – September 2013

EnSafe Inc.

- 1 Assisted with municipal separate storm sewer system (MS4) permit compliance issues, including facility storm water audits.
- 2 Acted as field supervisor for an MS4 surveying project including employee management, health and safety activities, training, coordinating resources needs, and inventory control.
- 3 Prepared of Clean Water Act compliance plans such as Storm Water Pollution Prevention Plans (SWP3) and Spill Prevention Control and Countermeasure Plans (SPCC).
- 4 Performed fieldwork and developed reports for wetland delineations, stream characterizations, and wetland mitigation plans.
- 5 Provided consultative and technical services to industrial and governmental agency clients.

Environmental Investigator (Air Quality Investigator)

March 2008 – October 2009

Texas Commission on Environmental Quality

- 1 Performed air quality investigations to determine compliance with New Source and Title V air permits.
- 2 Performed multimedia (air, waste, water) investigations to determine compliance with applicable state and federal regulations.
- 3 Reviewed and critiqued proposed air quality permits.
- 4 Served as the regional transportation coordinator/represented the Texas Commission on Environmental Quality (TCEQ) at meetings of the Metropolitan Transportation Organization (MPO).
- 5 Served as the regional burn coordinator for outdoor burning activities.
- 6 Participated in Public Hearings as a technical expert.
- 7 Developed of workshops and community outreach presentations.

Environmental Planner (Transportation Planner)

July 2006 – March 2008

HNTB Corporation

- 1 Developed National Environmental Policy Act (NEPA) documentation including Categorical Exclusions and Environmental Assessments, principally for the Texas Department of Transportation (TxDOT).
- 2 Completed environmental studies including socio-economic/environmental justice analysis, threatened and endangered species surveys, habitat assessments, air quality modeling, and land use studies.
- 3 Performed public involvement activities including the planning of Public Hearings/Public Meetings; production of engineering design and environmental impact exhibits; the development and delivery of presentations/speeches; and, coordination with translators to provide bilingual materials.
- 4 Assisted with the development of engineering materials, including typical roadway sections and defining Areas of Potential Effects (APE).
- 5 Assisted with historical and archaeological surveys.
- 6 Conducted environmental studies for various federal and state agencies.
- 7 Coordinated with local, state, and federal agencies, as well as other consulting firms.

Watershed Representative (Permitting Specialist)

December 2005 – July 2006

Tennessee Valley Authority/Westaff, Watts Bar-Clinch Watershed Team

- 1 26a permit processing from application receipt through site evaluations and issuance.
- 2 Coordinated with the U.S. Army Corp of Engineers regarding proposed actions and concurrent permitting activities.
- 3 Performed facility compliance inspections.
- 4 Assisted with wildlife surveys.
- 5 Assisted with various forestry/resource conservation projects and water quality monitoring.
- 6 Assisted with telephone surveys to measure customer satisfaction.

Activities and Conferences:

Presenter – Tennessee Conservation District Employee Association Workshop – September 2022, April 2023, October 2023
Presenter – Tennessee Environmental Show-of-the-South – May 2022
Presenter – Tennessee Environmental Conference (Virtual) – October 2021
Disaster Animal Response Team (DART) Credentialed Responder – 2019 - Present
Tennessee Harmful Algal Bloom Workgroup – November 2018 - Present
Tennessee One Health Committee – March 2018 - Present
Tennessee Department of Agriculture Commissioner's Leadership Academy – January 2018 - December 2018
Exhibitor – Tennessee Wetlands Festival and MooFest – May 2018
Exhibitor – Middle Tennessee Geographic Information Council – November 2017
Exhibitor – Ellington Agricultural Center's Music and Molasses Festival – September 2017
Exhibitor – Goodlettsville WaterFest – July 2017, 2018, 2019, 2022
Tennessee Water Resources Symposium – April 2017
Technical Expert for TDEC General CAFO Permit Public Hearings – March 2015 and January 2016
Tennessee Stormwater Association – September 2014 and October 2015
Short Presentation – Tennessee Cattlemen's and Dairy Producers Association Joint Conference – January 2015
CAFO National Roundtable – October 2014
Presented and assisted with planning – Tennessee Dairy Producers Association Permitting Workshop – October 2014
Presented and assisted with planning – Tennessee Poultry Association Permitting Workshop – June 2014
Appointed – International Boundary and Water Commission Rio Grande Citizens' Forum – January 2009
Former Member – Society of American Military Engineers-November 2007 – November 2008
Platform Presentation – North American Benthological Society Joint Meeting – May 2005
Platform Presentation – Freshwater Mollusk Conservation Society Symposium – May 2005
Poster Presentation – Arkansas Chapter of the American Fisheries Society – February 2005
Poster Presentation – Arkansas Environmental Federation – October 2004
Society of Environmental Toxicology and Chemistry Annual Meeting – November 2003
Arkansas Environmental Federation – October 2003
Platform Presentation/Session Chair-Rio Grande/Rio Bravo Environmental Conference – April 2003

Software and Computer Skills/Experience:

Adobe Acrobat/8 years, Adobe Experience Manager/4 years, ArcGIS (Desktop – Various Versions)/14 years, Edison/10 years, GRTS/8 years, MicroSoft Word/20 years, MicroSoft PowerPoint/20 years, MicroSoft Excel/20 years, SharePoint/2 years, SmartSimple Grants Management Software/2 years; Survey Monkey/8 years, STEPL/8 years, WaterLog Database/10 years

Developmental Courses and Certifications:

United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS) Technical Service Provider Training (Comprehensive Nutrient Management Plan Development)
40-Hour Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) Certification (Viva Environmental, Inc.)
Air Pollution Source Inspection Safety (Environmental Protection Agency)
Animals in Disaster: Awareness and Preparedness – IS-00010.a (Federal Emergency Management Agency)
Animals in Disaster: Community Planning – IS-00011.a (Federal Emergency Management Agency)
Introduction to the Incident Command System – ICS 100 (Federal Emergency Management Agency)
ICS for Single Resources and Initial Action Incidents – ICS 200 (Federal Emergency Management Agency)
Intermediate Incident Command System for Expanding Incidents – ICS 300 (State of Texas, Emergency Management Division)
Advanced Incident Command System, Command and General Staff – ICS 400 (State of Texas, Emergency Management Division)
National Incident Management System (NIMS), An Introduction – IS 700 (Federal Emergency Management Agency)
National Response Framework, An Introduction – IS 800 (Federal Emergency Management Agency)
Basic Wetland Delineation (Wetland Training Institute, Inc.)
Air Pollution Control Orientation Course (Environmental Protection Agency)
Chain-of-Custody Procedures for Samples and Data (Environmental Protection Agency)
Annual Air Investigator Training (Texas Commission on Environmental Quality)

Developmental Courses and Certifications, continued

Annual Emergency Response Training (Texas Commission on Environmental Quality)
Basic Investigator Training (Texas Commission on Environmental Quality)
Regional Collaborative and Tribal Partnerships (Western Community Policing Institute and Western Oregon University)
Indirect and Cumulative Impacts Analysis (Texas Department of Transportation)
NEPA Documentation (Texas Department of Transportation)
National Environmental Policy Act (NEPA) - Overview and Categorical Exclusion (Tennessee Valley Authority)
National Historic Preservation Act (NHPA) Compliance (Tennessee Valley Authority)
Environmental Awareness and Criminal Liability (Tennessee Valley Authority)
Fundamentals of Wetlands (Tennessee Valley Authority)
Method 9 Certification (ETA)
APTI-455 Inspection of Gas Control Devices and Selected Industries (Central States Air Resource Agencies Association)
Sources of GIS Information on the Web and Working with ArcView 9.0 (Arkansas State University)
Ecological Effects Assessment for Arid Environments (Society of Environmental Toxicology and Chemistry)
Landscape & Regional Ecological Risk Assessment (Society of Environmental Toxicology and Chemistry)

References:

Brad Harris, P.E.
Manager, Land Based Systems Unit
Tennessee Department of Environment and Conservation
William R. Snodgrass – Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243
615.532.5367

Judy Manners
Environmental Health Specialist
Tennessee Department of Health
630 Hart Lane
Nashville, Tennessee 37243
615.253.8664

Wynne Whitworth
Soil Conservationist
United States Department of Agriculture – Natural Resources Conservation Service
1906 North Llano Street, Suite 106
Fredericksburg, Texas 78624
830.997.3349, Extension 3
940.229.1970

Matthew Taylor

615-979-2449

Matthew.K.Taylor@tn.gov

Summary: Environmental professional with a diverse background in environmental sciences, regulation, sustainability and resilience. Currently responsible for overseeing the Tennessee Department of Environment and Conservation's Office of Sustainable Practices and Small Business Environmental Assistance Program.

Education:

2019 – 2020 Tennessee State University
MBA

2019 University of California, Berkeley
Certificate in Sustainable Environmental Management

2017 – 2019 Tennessee State University
BS in Urban Studies

2009 – 2012 University of Arkansas
MA in Geography
Thesis: "A Daily Temperature Record for Central Texas, 1896-2011"

2005 – 2008 Texas State University
BS in Geography – Resource and Environmental Studies

Work Experience:

Deputy Director, Office of Sustainable Practices, March 2022 to Present
Tennessee Department of Environment and Conservation; Nashville, TN

- Response for overseeing the state of Tennessee's 12-person sustainability office.
- Help develop, oversee, and administer programming to tackle sustainability challenges in Tennessee, including considerable work and success on the topic of addressing food waste in Tennessee.

Senior Policy Analyst / Business Team Manager, October 2018 to March 2022
Tennessee Department of Environment and Conservation; Nashville, TN

- Responsibilities include leading environmental policy work, strategic planning, and coordination of TDEC reviews of federal rulemakings impacting agency and Tennessee related NEPA documents.
- Manage a 6-person team that administers the state of Tennessee's EPA Pollution Prevention Grant, Radon Grant, and associated technical assistance programs.

JOELLE E. CIRIACY
kpciriacy@gmail.com | (443) 783-9299
3050 Dodson Branch Rd. Apt C3, Cookeville, TN 38501

EDUCATION

M.S. Biology: Tennessee Technological University, *Cookeville, TN*

Graduation: Dec. 2023

Aug. 2021-Dec. 2023

GPA: 4.00

B.S. Biology–Ecology/Environmental Sciences: Lee University, *Cleveland, TN*

Graduation: Aug. 2020

Aug. 2016-August 2020

Summa Cum Laude

GPA: 3.97

RELEVANT EXPERIENCE

Environmental Scientist II

Nov.2023-Current; *Nashville, TN*

Tennessee Department of Environment and Conservation 40 hours/week

Office of Sustainable Practices

Supervisor: Christopher Pianta

- Lead for the Get Food Smart Tennessee program to empower Tennesseans to use food resources wisely
- Facilitator of Tennessee’s annual Food Waste Prevention Week
- Editor of the Office of Sustainable Practice’s monthly newsletter, *The Catalyst*
- Editor of the Office of Sustainable Practice’s Adobe Experience Manager pages
- Editor of the Get Food Smart Tennessee website in Expression Engine
- Member of the Tennessee Sustainability Conference 2024 planning team

Graduate Research Assistant

Aug. 2021-Dec.2023; *Cookeville, TN*

Tennessee Technological University

40 hours/week

Supervisor: Dr. Christopher “Kit” Wheeler

- Researched the keystone role of River Chub in the Little Tennessee Basin by examining its impact on fish and invertebrates
- Characterized spawning microhabitat preferences of River Chub
- Developed research proposals and completed a scientific thesis
- Developed methods to answer novel scientific questions
- Supervised two technicians, recruited and trained 15 volunteers
- Presented to scientific peers and agency partners
- Accurately recorded, entered, and proofed data in Excel
- Collected stream discharge
- Characterized stream substrate with pebble counts
- Collected water quality measurements with a YSI and handheld pH meter
- Calibrated and maintained water quality instruments
- Identified fishes of the Upper Tennessee Basin
- Collected stream macroinvertebrates with timed D-frame kick sets
- Trained two technicians to sort invertebrates from field samples
- Completed 21 snorkel surveys
- Used univariate and multivariate approaches to analyze data in R
- Created maps with ArcGIS Pro
- Implemented Quality Assurance/Quality Control procedures on sorted invertebrate samples

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- Was awarded best student presentation at the 2023 Tennessee Chapter of the American Fisheries Association Meeting

Wildlife Technician Utah State University

April-July 2021; *Randolph, UT*

Supervisor: Codi Backen

40 hours/week

- Trapped, marked, and tracked ~15 Sage Grouse with VHF and UHF telemetry
- Completed weekly nest and brood checks
- Learned to identify common sagebrush steppe and cattle range plants
- Completed weekly vegetation surveys
- Navigated using a handheld GPS
- Used a 4WD truck and an ATV to access remote locations
- Recorded data on field data sheets and tablets
- Entered data into Excel

Wildlife Technician University of Tennessee Knoxville

Jan-March 2021; *Maggie Valley, NC*

Supervisor: Dr. Jessica Braunstein

40 hours/week

- Collected and swabbed elk scat along 500 m and 1500 m transects for eDNA analysis
- Contacted 100+ private landowners for access permission
- Hiked up to six miles into remote transects, often through very thick vegetation in the Great Smoky Mountains National Park, Pisgah National Forest, and various North Carolina game lands
- Navigated using a handheld GPS
- Used a 4WD truck and an ATV to access remote locations

Laboratory Intern Oak Ridge National Laboratory

June-Aug. 2020; *Remote*

Supervisor: Dr. Jeffrey Warren

40 hours/week

- Analyzed five years of tree sap flow phenology data from a large-scale climate change experiment in R
- Wrote a research report and presented on the impact of experimental warming on spruce and larch sap flow initiation

Mapping Intern Cleveland Stormwater Division

Jan-May 2020; *Cleveland, TN*

Supervisor: Chris Broom

20 hours/week

- Mapped stormwater management infrastructure with ESRI Collector
- Participated in construction inspections with the Stormwater Inspector
- Educated local elementary students on the water cycle and stormwater issues at an outreach event
- Interacted regularly with citizens and reported flooding to the Public Works Department

Student Researcher Lee University

Aug 2019-June 2020; *Cleveland, TN*

Supervisor: Dr. Michael Freake

10+ hours/week

- Evaluated a novel external radio transmitter attachment method in Eastern Hellbenders
- Tracked and mapped the movements of Eastern Hellbenders in QGIS
- Researched stream physical and water quality factors correlated with Eastern Hellbender presence
- Used a borescope to locate Eastern Hellbender nest rocks
- Collected Eastern Hellbender eggs to be raised at the Nashville Zoo
- Communicated results to scientific peers and agency partners through research reports and posters

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- Presented to middle schoolers in an English as a Second Language class at Hixon Middle School
- Presented at the Hixon Middle School STEM night
- Characterized Eastern Hellbender populations with rock-turning surveys

Wildlife Technician Lee University May-June 2019; *Cleveland, TN*
Supervisor: Dr. Michael Freake 40 hours/week

- Captured Eastern Hellbenders with a combination of aquatic trapping and rock-turning
- Tracked and translocated ~20 Eastern Hellbenders
- Characterized populations with rock-turning surveys
- Installed ~8 Eastern Hellbender nest boxes
- Investigated translocated Eastern Hellbender mortality with camera traps
- Attended the ninth biennial Hellbender Symposium
- Continued working on this project for class credit (Introduction to Research and Senior Research) during the following two semesters, August 2019-May 2020

Student Office Intern Lee University Jan 2018-Dec 2019; *Cleveland, TN*
Supervisor: Dr. William Lamb 10 hours/week

- Completed general office tasks (data entry, filing, answering questions) at the Leonard Center Office for Student Service-Learning
- Connected students with service opportunities fitting their interests
- Completed community partner phone surveys

Lifeguard Blue Water Poolside Services May-Aug. 2018; *Salisbury, MD*
Supervisor: William “Dutch” Schwemlein Jr. 40 hours/week

- Ensured patron safety while using the apartment complex pool
- Completed regular water quality checks and cleaning tasks as Certified Pool Operator

VOLUNTEER EXPERIENCE

Tennessee Wildlife Resources Agency (TWRA) Oct 2022-present
Supervisor: Justin Spaulding frequency: several times per year

- Sampled wild Rainbow Trout populations in Cherokee National Forest
- Backpacked ~5 miles with ~50 lbs. to reintroduce native Brook Trout into Citico Wilderness

Student Fisheries Association April 2022-April 2023
Supervisor: Dr. Steven “Brad” Cook frequency: 5-10 hours/week

- Vice President 2022-2023
- Organized fundraisers, socials, and outreach events
- Connected students with employment and volunteer opportunities
- Provided transportation for volunteers to help TWRA and the Tennessee State Parks
- Prepared for and volunteered at the Annual Kids Fishing Derby at Cane Creek Park, 2023

Teens Need Training Aug 2021-March 2022,
Supervisor: Shaquawana Wester frequency: 3 hours/week

- Tutored and mentored local middle and high school students in the Highlands Residential Services program

Hixon Middle School Fall 2019,
Supervisor: none frequency: 2 days

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- Presented on my hellbender research and science careers to middle school students learning English as a second language
- Presented on hellbender conservation and science careers to middle schoolers and their parents at a booth during a school STEM night

Backyard Ministries

Aug 2016-April 2020,

Supervisor: Dr. William Lamb

frequency: 5-10 hours/week

- Tutored, mentored, and delivered food to local middle and high school students
- North Pointe Site Leader Aug-Dec 2019: planned and purchased weekly snacks, planned events with community leaders, diffused conflicts, recruited volunteers, and trained new leaders

Crossover Ministries

Aug 2017-Dec 2017

frequency: 2 hours/week

- Built relationships with and delivered food to low-income families

YMCA Community Action Program

Aug 2016-Dec 2016

frequency: weekly

- Tutored and mentored middle and high school students

Salisbury University

July 2018

frequency: 1 day

- Checked and reset aquatic traps for Spotted Turtles in the Great Cypress Swamp in Delaware
- Marked individual turtles with a triangle file

Chesapeake Housing Ministries

April 2010-Aug 2016

Supervisor: Don Taylor

frequency: variable

- Participated in wheelchair ramp builds twice per year each year
- Volunteered extensively during the summer of 2018: led volunteer groups in building ramp platforms, bolting platforms to supports, and laying decking, read construction plans, completed routine home repairs

RELEVANT COURSEWORK

Environmental Science

Ecology

Watersheds in Global Development

Ecological Methods

Scientific Writing and Grantsmanship

Fish Ecology

Biostatistics

Introduction to R

Herpetology

Animal Behavior

Invertebrate Zoology

Wildlife Ecology

Ecological Ordination

Animal Ecology

Evolutionary Biology

RELEVANT SKILLS

Proficient in:

- Database management in R and Excel
- Literature review
- Advanced study design
- Advanced univariate and multivariate analysis of ecological data
- Microsoft Office suite

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- ArcGIS Pro & Q GIS
- Webpage editing in Adobe Experience Management & Expression Engine
- Managing newsletter subscriptions in EMMA

Field Skills:

- Able to collect stream habitat characteristics (e.g., discharge, substrate, water quality, etc.)
- Able to lead crews in quantitative and qualitative fish surveys (e.g., electrofishing, seining, snorkeling)
- Familiar with a variety of Index of Biological Integrity (IBI) protocols
- Able to identify many of the common and notable threatened stream fishes in the Tennessee and Cumberland River basins, experienced in learning new fish in the field
- Able to identify most aquatic macroinvertebrates to genus following a dichotomous key
- Able to use dichotomous keys and field guides to identify fish, invertebrates, wildlife, and plants
- Comfortable in narrow caves, heights, and swift water
- Able to climb and safely belay climbers
- Able to lift and carry 50 lbs. for 10 miles
- Able to identify all herps in Tennessee except for some Plethodontid salamanders: 32 snake species, 21 turtle species, 6 lizard species, 21 frog species, and 27 salamander species
- Familiar with the natural history of Tennessee herps, able to use natural history knowledge to locate and capture many herp species including: aquatic salamanders, terrestrial salamanders, cave-dwelling salamanders, aquatic turtles, frogs, and snakes
- Able to identify the calls of most Tennessee frogs
- Able to capture and handle non-venomous snakes
- Capable of paddling and rowing small watercraft in both still and swift water (i.e., drift boats, rafts, canoes, & kayaks)

Motor Vehicles:

- Tennessee issued driver's license
- Extensive experience operating 4WD trucks and ATVs
- Able to back and tow small trailers

RELEVANT CERTIFICATIONS & WORKSHOPS

- Lifeguarding/First Aid/ CPR/AED Certification: American Red Cross (expired May 2020)
- EPA Watershed Management Training Certification (no expiration)
- Global Water Watch Watershed Monitor Certification (no expiration)
- Freshwater Mussel Identification Workshop, Tennessee Chapter of the American Fisheries Society, 2023

PRESENTATIONS and AWARDS

Southern Division of the American Fisheries Society Feb. 2024

Tennessee Department of Environment and Conservation

Nashville, Tennessee

04/12-11/15

Director and Assistant Commissioner, Office of Policy and Planning

- Developed strategic work plan for environmental policy and department process improvement and performance work.
- Advised Department senior leadership regarding the development of environmental policy initiatives and manage multi-disciplinary teams to study and develop recommendations for policies and procedures related to numerous environmental issues.
- Drafted or led a team to draft strategic comments on proposed EPA actions.
- Managed an interagency team in the development of a state energy plan focused on lead-by-example opportunities for Tennessee state government.
- Managed the Department's Customer Focused Government strategic and operational performance plan, including measuring progress and reporting to the Governor's office.
- Served as the Department's representative in the Tennessee Valley Authority's (TVA) 2015 Integrated Resource Planning working group that will assist TVA in developing a long-term plan for future resource generation and management.
- Managed the Department's formal review and commenting on Tennessee projects undergoing review pursuant to the National Environmental Policy Act.

Environmental & Natural Resources Law Clinic¹, Vermont Law School

South Royalton, Vermont

09/09-08/11; 01/12-04/12

Fellow and Staff Attorney

- Developed and managed the New England Community Toxics Program in partnership with Toxics Action Center to provide legal advice and counseling to New England communities and citizens dealing with environmental issues.
- Lead student legal teams to develop strategies and solutions for environmental issues in Vermont, Massachusetts and New Hampshire communities.
- Instructed various seminar classes on the factual investigation and research associated with client representation and case development.

Morris, Manning & Martin, LLP

Atlanta, Georgia

12/07-08/09

Associate, Environmental and Construction Group

- Advised clients on all environmental aspects of the re-development of impacted properties; represented clients in administrative appeals.
- Represented clients with regard to liability under and regulatory compliance with environmental statutes and regulations, including negotiation of administrative settlements with EPA and EPA's regulation of nanomaterials under TSCA.

¹ Currently referred to as the Environmental Advocacy Clinic.

Waller Lansden Dortch & Davis, LLP

Nashville, Tennessee

09/03-11/07

Associate, Environmental and Regulatory Group

- Advised commercial and manufacturing clients with regard to regulatory compliance with environmental statutes and regulations.
- Represented clients in proposed state and federal regulatory changes, administrative litigation matters (permit appeals) and enforcement actions.

REGIONAL AND NATIONAL BOARD POSITIONS

- Board Member (regional representative for southeast) and Co-Chair of the Program Funding Committee for the National Association of Clean Air Agencies, 2017-Present (former Officer in various roles)
- Board Member, Association of Air Pollution Control Agencies, 2016-Present
- Board Member of the Southeastern States Air Resources Managers, Inc., 2015-Present

LEADERSHIP AND MENTOR PROGRAMS

- Green Leadership, Tennessee Department of Environment and Conservation, 2014
- Tennessee Department of Environment and Conservation Mentor, 2021
- Tennessee Government Executive Institute, 2022

SELECT WRITTEN PRODUCT

- *Tennessee Voluntary Emission Reduction Strategy*, Priority Climate Action Plan, March 2024.
- Tennessee's comments on EPA's 2015 proposal to revise the definition of "Waters of the United States."
- Lead statewide engagement effort to seek public input around EPA's 2015 Clean Power Plan Proposal, lead development of Tennessee's comments.
- Various comment letters regarding proposed actions by the U.S. Environmental Protection Agency (2015-2023).

Policy / Senior Policy Analyst, December 2016 to October 2018

Tennessee Department of Environment and Conservation; Nashville, TN

- Responsibilities ranged across all TDEC Divisions. Successful projects included evaluation of strategic funding solutions for Division of Remediation programs, leading food waste reduction and diversion initiatives, creating a voluntary wetland restoration grant program. Led TDEC's review and response to NEPA environmental reviews and federal legislation and rulemaking with implications for Tennessee's environment or TDEC.

Environmental Scientist, July 2015 to December 2016

Tennessee Department of Environment and Conservation; Nashville, TN

- Responsible for developing and promulgating technical policy documents and Solid Waste rulemakings as well as management of solid waste permits and reviewing new permit applications. This position also involved a high level of internal database management for all existing permits.

Hydrologic Technician, October 2014 to January 2015

University of Saskatchewan; Reefton, New Zealand

- This project looked to relate upslope accumulated area to groundwater flow through the installation and monitoring of groundwater wells in the Mai Mai Experimental Watershed outside Reefton, South Island, New Zealand.

Hydrologic Technician, May 2014 to October 2014

U.S. Forest Service; Verlot, WA

- Performed geomorphological surveys of the roads throughout the South Fork Stillaguamish River watershed with a focus the second year on roads that were in storage or had been decommissioned.

Hydrologic Technician, May 2013 to November 2013

U.S. Forest Service; Verlot, WA

- Performed geomorphological surveys of the roads in South Fork Stillaguamish River watershed in the Mt. Baker-Snoqualmie National Forest and adjacent state lands.

Environmental Educator, February 2013 to May 2013

Nature's Classroom; Mentone, AL

- Nature's Classroom is an experiential education program, where students from regional schools visit for 1 to 5 days. I was responsible for guiding students through educational group activities, on interpretive hikes, and in evening entertainment.

River Ranger, May 2012 to October 2012

U.S. Forest Service; Banks, ID

- Responsible for the upkeep and maintenance of all river sites within the Payette River system as well as monitoring and patrolling the Main Payette and stretches of the South Fork of the Payette.
- Position required constant public engagement, both through daily public interactions but also through establishing outreach and volunteer opportunities with a variety of groups in the area.

Lab Instructor (Environmental Geology), August 2010 to May 2012

University of Arkansas; Fayetteville, AR

- Responsible for teaching, developing examinations, crafting lectures, maintaining all the lab equipment, and taking students on geology field trips. This course covered a number of topics in the Earth sciences (from earthquakes to dendrology) and also explored the human interaction component.

Hydrologic Technician, June 2011 to August 2011

U.S. Forest Service; Garden Valley, ID

- Performed geomorphological surveys of the roads throughout the Middle Fork Payette watershed in the Boise National Forest and adjacent state lands.
- Data collected from surveys was later used to calculate sediment loads and infrastructure problems within the watershed.

Hydrologic Technician, May 2010 to August 2010

U.S. Forest Service; Cascade, ID

- Performed geomorphological surveys of the roads throughout the South Fork Salmon watershed in the Boise National Forest.
- Data collected from surveys was later used to calculate sediment loads and infrastructure problems within the watershed as well as sources of habitat fragmentation.

Professional Development and Certifications:

- **Nashville Emerging Leaders** Program (Completed in September 2020)
- **US Resilience Mission to the UK** (Completed in November 2019)
- **Green Leadership Academy** (Completed in December 2019)
- **Transit Citizen Leadership Academy** (Completed on 10/10/2018)
- **Belmont University** – Mini MBA Program (Completed in December 2017)
- **University of Illinois – Chicago** – Summer Institute on Sustainability & Energy (Completed on 8/15/2017)
- **TN Erosion Prevention and Sediment Control (EPSC)** Level 1 Certification (Cert. #134849 - current until December 31, 2022)
- **Lion Technology** Subtitle-C Hazardous Waste Training – Certificate of Completion
- **OSHA 40-HR HAZWOPER**

Activities:

- Board Member National Pollution Prevention Roundtable (2019-Current)
- Board Member Urban Green Lab (2018-2023)
- Board Member for Nashville Coop Grocery Store (2017-2020)
- tnAchieves Mentor (2018-2022)
- Member of American Whitewater

Katherine A. Glapa

Highlights of Qualifications

- Event management, planning, and execution of events
- Exceptional organizational skills
- Excellent public relation and customer relations skills
- Adobe Acrobat Distiller DC; MS Office Suite (Word, Excel, Access, PowerPoint, and Publisher); Constant Contact and Emma; and email platforms
- Outstanding communication and interpersonal skills
- Resourceful and versatile employee well versed in efficiently managing the demands of a busy workplace
- Capable of working independently with good organizational and time management skills
- Places an emphasis on building cooperative relationships in team settings
- Proven skills in troubleshooting, problem solving, and decision making

Experience

January 2024 – Present Tennessee Department of Environment and Nashville, TN
Conservation

Operational Manager

- Assist the Deputy Director with strategically budgeting the office's budget which involves creating the start of FY budget projections for planned expenditures and identifying available funds for the upcoming FY.
- Assist in tracking the budget throughout the FY, readjusting planned budget quarterly based on real-time expenditures.
- Develop internal contract tracking protocols for both grants and contract funded projects, and contracts associated with vendor procurement.
- Funds, monitors for completion, and assess grant applications for over 150 municipalities.
- Serve as the Department contact for the National Pollution Prevention Roundtable and US EPA Region 4 Pollution Prevention Roundtable. Continually seeks additional grant funding opportunities for this program. Over fifteen years secured \$1,519,000 in grant funding from US EPA.
- Manage the Tennessee Green Star Partnership environmental leadership program, which recognizes Tennessee industries that are committed to sustainability and that exhibit continuous improvement throughout their entire operation.
- Over fifteen years of statewide environmental responsibility and management of the Tennessee Radon Program. Secured US EPA grant funds for the Tennessee Radon Program totaling \$4 million.
- Statewide management of the Unwanted Household Pharmaceutical Collection Take Back Program resulting in safe and environmentally sound disposal of 737,000 pounds of unwanted pharmaceuticals from 365 different locations.
- Fields a competitive environmental excellence awards process for the Governor's Environmental Stewardship Awards program; enlists a group of judges (variety of organizations and knowledge base) to further the credibility of the awards process. Works with TDEC's executive leadership team, division directors, governor's office, other state agencies, and state offices.
- Effectively assists with the management, writing & planning of department grant proposals and effectively develops and manages realistic project schedules for department grants.
- Represent the division with outside external stakeholders, elected officials as well as other state and federal agencies to solve critical problems and develop relationships for implementing policies of the department relating to environmental programs and administration.
- Writes and edits stories for the department newsletter, The Tennessee Conservationist, and other publications.

Program Manager

- Managed the Clean Tennessee Energy Grant Program to oversee the selection of and the funding of projects that best result in a reduction of emissions and pollutants identified. Central office liaison between all government agencies (state, local) utility districts, and private businesses/organizations in Tennessee that will be awarded monies. Statewide environmental responsibility and management of the Clean Tennessee Energy Grant Program; disseminated \$25 million dollars of grant funding.
- Organize energy audits for water and wastewater plants along with workshops to educate and improve the operating systems at selected plants statewide.
- Collaborate with senior policy analyst to support the Green Hospitality Program through helping to maintain program resources, attending meetings as necessary, and through promoting the program.
- Supervised a staff of six technical employees including work assignments, training and professional development and performance management.

Education

Austin Peay State University

Master of Science in Health Services Administration (2004)
Bachelor of Business Administration in Management (2001)
Honors: Magna Cum Laude, Dean's List

Volunteerism

- Volunteered for Saint Bethlehem Little League for eight years
- Served as the Treasurer for the Saint Bethlehem Little League for two years
- Secured a \$20,000 grant for the Saint Bethlehem Little League for field improvements while serving as treasurer
- Volunteer for the Hawks Baseball booster club for six years and aided the booster club with management of multiple fundraisers over the year