



## Brett McCreary

Staff Engineer I

Joined TCE in 2020

### Education

B.S. Environmental Engineering  
2019  
University of Vermont

### Certifications

Engineer Intern  
State of Vermont #017.013224

Class A Wastewater/ Water  
System Designer  
State of Vermont 152.0133659

### Work History

Meck-Tech, Inc.  
Civil Engineering Intern  
Selinsgrove, PA 2014-2017

TCE, Inc.  
Civil Engineering Intern  
Williston, VT 2017-2018

EIV Technical Services  
Civil Engineer I  
Winooski, VT 2019

### Volunteer Work

Toys for Tots  
Shamokin Dam, PA

Geisinger Children's Miracle  
Network  
Danville, PA

Brett is a Staff Engineer bringing a wide range of experience and technical skill sets to his projects with experience that includes work in municipal, public, and private sectors. Brett has worked on projects that focus on wastewater system design, stormwater design and permitting, local planning and zoning, and residential land development. He has experience performing roadway, wastewater, and stormwater inspections. Brett brings survey and fieldwork experience from his internships and assists with topographic, boundary, and construction layout surveys.

Brett is from central Pennsylvania, and in his free time, you can find him outside rock climbing, running, and hiking in the summer, and snowboarding in the Green Mountains in the winter.

### Recent Project Experience

#### **Wastewater System Design & Inspection, Various Locations, VT**

Brett is a licensed Class A Wastewater and Water System Designer. He works with clients to generate site plans and complete permit applications for on-site wastewater disposal systems and potable water supplies. He performs soil evaluations and topographic surveys in order to design and draft the proposed system. Brett also performs observations of wastewater systems during construction and annually to ensure they are functioning properly.

**Local Permitting, VT** Brett is responsible for completing permit applications for development projects in local communities. Brett works with clients to complete zoning, subdivision sketch plan, and site plan review permit applications. This requires an understanding of local and state regulations and knowledge about the development plans and options.

**Stormwater Design & Inspection Services, VT** Brett designs stormwater treatment practices and completes permit applications for project sites to meet State of Vermont stormwater permit requirements. He also performs annual inspections of stormwater systems to ensure that systems are working properly and complying with state regulations and issued permits.

**Survey Fieldwork, VT** Brett performs topographic, boundary, and construction layout surveys for a wide range of projects throughout Vermont. Recent projects include boundary and ALTA surveys of proposed solar fields, construction stakeout for building projects at the University of Vermont, and topographic surveys of residential development and wastewater projects.

### Key Skills

- Water & Wastewater System Design
- Wastewater & Stormwater System Inspection
- Stormwater Design
- State and Local Permitting
- AutoCad Civil 3D Drafting
- HydroCad
- Construction Stakeout