

# Former Dry Cleaner Water Treatment Operation and Maintenance

**STONE**  
ENVIRONMENTAL  
100% EMPLOYEE-OWNED

## Services / Expertise

Site-Specific Health and Safety Plan  
Workplan and Cost Estimate  
Groundwater and Soil Gas Sampling  
On-going Operations and Maintenance  
NPDES reporting

## Markets

Private Development

## Project Location

South Burlington, Vermont

## Date Completed

2022-present

## Project Owner

Greer Family LLC

## Project ID#

20221076

## Project Manager

Katrina Mattice, PE

## Project Team

Sarah Rathay  
Erin Coats

## Subcontractors/Consultants

Phoenix Environmental Laboratories



*View of outfall discharge location to Centennial Brook.*

**I**n accordance with National Pollution Discharge Elimination Systems (NPDES), Stone operates and maintains a water treatment system to treat chlorinated solvent contaminated groundwater prior to discharging into a tributary of the Centennial Brook. A storm drain study was performed indicating that tetrachloroethylene (PCE) contaminated groundwater is entering the Dorset Street storm drain system and the outfall downgradient of the Site, eventually discharging to Centennial Brook. A stainless-steel well intercepts contaminated groundwater entering the storm drain and a dual diaphragm pump and submersible pump transfers contaminated groundwater through granular activated carbon treatment prior to discharging back into the storm drain.

On-going monitoring includes effluent sampling to comply with NPDES permit requirements and maintenance of water treatment equipment. To comply with the Investigation and Remediation of Contaminated Properties Rule (I-Rule), Stone performs long term groundwater monitoring, and outfall monitoring. Stone is currently coordinating with the property owner to evaluate additional remedial alternatives to accelerate hazardous waste site closure.

