



**SOLID WASTE** 



## Solid Waste Services

Sanborn Head provides integrated engineering services to help manage resources for solid waste facilities — from siting and design through permitting and construction oversight; and operations and compliance.

We help our clients navigate the approval processes to get their projects online, oversee operations to keep things running smoothly, and transition sites to closure or new productive uses.

Complex problems call for a multi-disciplinary approach. Our skilled team of engineers and scientists collaborate on a range of solid waste engineering, stormwater management, landfill gas monitoring, air dispersion modeling, and renewable energy projects. We develop smart and creative solutions that are environmentally safe and economically sound.

Our team is continually innovating to advance our professional practice. We've developed sophisticated data management and 3D modeling tools that help our clients access and visualize information and make faster and more informed business decisions.

### SPECIALTY AREAS:

- Facility Siting, Design & Construction
- Landfill Gas Management
- Data Management & Visualization
- Solar Photovoltaic on Closed Landfills
- Renewable Gas Engineering

### Project Experience

Brownfields Redevelopment  
Data Management & Visualization  
Due Diligence  
Geotechnical Design  
Legal Support  
Landfill Gas Management  
Air Services  
Natural Gas Infrastructure Design  
Permitting & Compliance  
Site Characterization & Remediation  
Solid Waste Facility Design  
Water Resources  
Renewable Energy



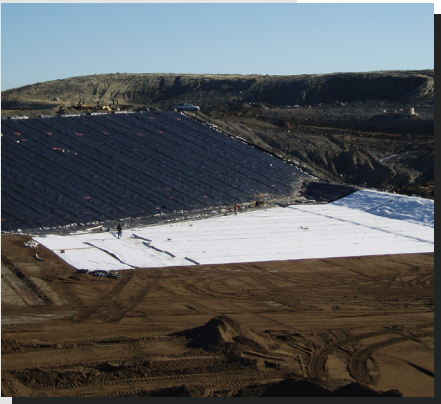
## TLR-III South Area Development, NH

Sanborn Head assisted Waste Management of New Hampshire (WMNH) with the design and permitting of the TLR-III South Area, which will extend the service capabilities of the facility for 10 years. Permitting a new state-of-the-practice waste disposal facility can be challenging considering the wealth of environmental regulations and land development constraints. Sanborn Head's solid waste design and permit team worked closely with WMNH to prepare comprehensive permit and design documents for the local, state, and federal regulators that meet or exceed the environmental standards. The resulting design requires a multi-year series of construction projects that will allow WMNH to continue to provide uninterrupted service to its customers and the host community.



## Central Landfill, RI

Central Landfill is the primary solid waste disposal facility in the state, and its landfill gas management system feeds the nearby 30-megawatt landfill-gas-to-energy facility. Sanborn Head provided design and compliance services related to the landfill gas collection system. Services included reviewing and evaluating gas collection performance, preparing system expansion and retrofit designs, updating and maintaining facility as-built information, and providing compliance assistance. Our team also assisted in successfully expanding the GCCS into new disposal areas while maintaining, and often improving, gas flow.



## Coventry Landfill Expansion & Energy Solutions, VT

Permitting a municipal solid waste disposal facility can be challenging based on the many environmental considerations and siting constraints required by local, state, and federal regulations. Since 1994, Sanborn Head has helped NEWSVT overcome these challenges by providing design and permitting assistance at their site. Sanborn Head helped navigate the permitting requirements for multiple landfill expansions, which included the design of leachate management infrastructure, the landfill gas collection and control system, stormwater management and treatment systems, and landfill closures. The permitting process included complex air dispersion models to comply with state and federal regulations. Sanborn Head also provides facility solid waste, operational stormwater, multi-sector general permit, and air permit compliance reporting on behalf of the NEWSVT landfill.

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## Who We Are



Through engineering and science, Sanborn Head provides integrated earth, energy, and environmental consulting services to help our clients realize their vision for a successful project.

Sanborn Head is a geotechnical and geoenvironmental consulting firm that brings together the unique talents of engineers and scientists to provide creative and cost-effective consulting solutions across our industrial, Development, Energy and Solid Waste markets. What sets us apart is how we work together—as one company, sharing our expertise across services, markets, and geographies, always with the best interests of our clients and people in mind.

### OFFICES IN

Bedford NH

Boston MA

Burlington VT

Denver CO

Philadelphia PA

Wilmington DE

[sanbornhead.com](http://sanbornhead.com)

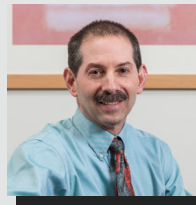
### KEY CONTACT



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#### Development

Geotechnical and environmental services for real estate and infrastructure developments involving commercial, institutional, and mixed-use properties.



#### Energy

Design, permitting and construction oversight services for energy producers, transporters, and end-users invested in natural gas and renewable energy.



#### Industrial

Contaminated site characterization, remediation, and risk assessment services for owners and operators of active and abandoned industrial sites.



#### Solid Waste

Design, permitting and construction oversight services for active and closed landfills and transfer stations, including regulatory compliance and landfill gas management.