



Waste Management Services

Every day, Golder consultants are working in communities around the world providing a range of integrated services to meet local waste management needs. During our more than 45 years of providing solutions to the waste industry, Golder has successfully completed projects at over 1,000 waste management facilities in 30 countries on six continents. With more than 160 offices around the world, Golder Associates is one of the largest employee-owned waste management consultants. Local specialists leveraging our global expertise are key to successfully providing sustainable waste management solutions to our clients.

Solutions that Stand the Test of Time

Through the years, we have held fast to the core values that have guided our growth, from pioneering the use of geomembrane liners for the containment of hazardous wastes in

the 1970s to developing innovative strategies that manage waste as a resource today. Every solution we propose begins by actively listening to our clients' needs and working with regulators to achieve sustainable and compliant solutions that contribute to the quality of life of the communities involved.

Engineered Solutions Grounded in Understanding

Golder offers services that consider technical, social, and economic criteria from project initiation through post-closure operations and maintenance. At the forefront of the waste management field, our extensive experience helps our clients secure sustainable and community-centered solutions for market & financial studies, due diligence, waste reduction, recycling, organics management, secure disposal, landfill gas and leachate management, environmental program management, and asset management.

Waste Services

- System Planning & Optimization Feasibility
- Siting and Permitting
- Environmental Impact Assessment
- Stakeholder Engagement
- Sustainability Assessments and Management
- Environmental Compliance & Remediation
- Design and CQA
- Landfill Gas-to-Energy and Green Energy Feasibility & Planning
- Landfill Gas Control & Management
- Leachate Collection, Management and Treatment
- Facility Operations and Maintenance Oversight
- Closure and Post-Closure Design, Management, and Re-Use
- Industrial, Medical and Hazardous Waste
- Information Management

WASTE MANAGEMENT SERVICES



Randolph County, NC- Greenfield Municipal Solid Waste (MSW) Landfill

Randolph County, NC completed a site suitability evaluation and a site application for a proposed Greenfield municipal solid waste (MSW) landfill on a property adjacent to their existing closed landfill.

Golder provided the County with services necessary to determine if the property was best suited for the construction of a Greenfield MSW and the feasibility of permitting a new MSW disposal facility on the property. The services included:

- A Potential Fatal Flaw Assessment
- An Alternate Site Evaluation
- A Market Study of the Area and a Financial Options Evaluation

The alternate site evaluation confirmed that the property was the best suitable alternative for Greenfield MSW landfill development. Golder then provided the experts needed to conduct a wetland and stream delineation, multiple limited plant surveys and two archeological surveys as well as a site hydrogeologic study.



Landfill to Landmark

A pre-1960 landfill near Denver, Colorado presented a unique opportunity to transform abandoned land into a community asset. The former 85-acre County Line Landfill received nearly 14 million cubic yards of solid waste during its operating life. The landfill, which closed in 1987, is located in the middle of a residential community that has experienced substantial growth during the last 20 years. We provided engineering design and construction quality assurance services using state-of-the-practice technologies. A unique cap design was integrated with the landfill gas collection system and overlain with specialized artificial turf, the latter providing a green, low maintenance, year-round playing surface. The facility has been incorporated into a 136-acre regional park and now supports two multi-purpose sports fields, a softball/baseball field, a bike track, and an 18-hole disc golf course.

Other services provided for the project included:

- An Environmental Impact Statement (EIS)
- A Site Application Report and Conceptual Site Layout
- Public Hearings and Meetings

Once the County chose their operator (Waste Management), Golder assisted with additional wetlands permitting and delineation for proposed impacts including a stream crossing. Golder installed and developed monitoring wells and methane monitoring probes for the compliance monitoring system and currently manages the following environmental monitoring programs for Waste Management: groundwater, surface water, leachate, and methane monitoring at the active facility.