

# SOLID WASTE MANAGEMENT



Finding the balance between people and technology for workable, cost-effective processes and compliance



## Our Service

We help you develop both a waste management strategy and the required infrastructure to meet regulatory and policy needs. We can work with you to:

- Describe the waste streams
- Decide which aspects of waste management to prioritize (for example, “the 4Rs”: reduce, reuse, recycle, recover)
- Incorporate proper design and operating protocols to conform to laws, regulations and overarching principles of environmental sustainability, including waste diversion
- Find ways you can save money by being efficient and practical.

As waste management professionals, we are well versed in the regulatory landscape and experienced in a wide range of operating practices. Unlike many in the field, however, we combine exceptional engineering skills with a fiscal perspective. We frame our solutions within an understanding of their fiscal impact. Also, in collaboration with colleagues from throughout our firm, we have contributed to integrated solutions for a number of unique and iconic projects.

Waste management issues are 20% about technology and 80% about people. Our search for excellent solutions is guided not only by engineering judgment but also by reflection on overarching social issues such as global warming, waste reduction, ownership of waste and the impact of waste on communities.

## You may be facing regulation on waste generation at some or all of these levels:

- Initial generation
- Proper separation and storage at the generating facility (e.g., house, apartment, factory, retail outlet)
- Proper transport and treatment
- Design, construction and operation of solid waste management facilities and associated infrastructure.

Effective regulatory compliance depends on good design, suitable technology choices, targeted policies and clear communication.

RWDI is a valuable partner to clients seeking to...

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## Explore Innovations

- Apply new technologies to move beyond compliance to revenue generation
- Design and plan for waste reduction and effective operation within the emerging circular economy

## Create Opportunities

- Establish trust and promote community engagement
- Discover improvements through a better understanding of wastes and waste-generating practices

## Meet Challenges

- Update solutions in the face of changing regulations
- Find creative, cost-effective solutions for complex waste streams or regulatory contexts

## Fulfill Expectations

- Comply with regulations in an effective yet practical manner, resulting in cost efficiencies
- Communicate clearly with stakeholders

## How we work

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### Addressing community concerns.

Waste is not only a technical issue; it's social. When a waste management facility, such as a landfill or an incinerator, is located near a community, members of that community are often concerned about potential negative effects. Both the proponent of the facility and the community have a responsibility to understand all the issues (air purity, noise, geology, surface water), to communicate clearly about any impacts and to work together to address concerns. We can guide you in setting a framework that promotes trust and cooperation among parties to this conversation.

### Making technology choices

The technologies appropriate to your waste streams may vary significantly depending where you are. In advising you, we consider the interactions among many factors: regulations, the available space, the distance between source and destination, the price of energy and policy issues. We're also keen technology watchers. With new options arriving in the marketplace, you may be able to move beyond regulatory compliance and start making money from your waste streams. With this holistic review, we've developed state-of-the-art solutions to numerous waste streams.

### Adapting to regulatory change

Waste management regulations are constantly changing. This can mean that what worked yesterday doesn't work today. Sometimes the solution to regaining compliance may be simple; at other times the solution may require in-depth engineering and science knowledge. We can help you adapt, with both technical and process solutions, while addressing the fiscal implications for your existing operations.