



# WASTE MANAGEMENT AND REMEDIATION SOLUTIONS

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Virtually all of society's activities generate some type of residual material that require creative management solutions. Opportunities often exist to minimize the amount of waste generated through process modification or user education. In other instances, practical re-use opportunities can be identified for materials traditionally considered as valueless debris. Sometimes, waste can be transformed into a resource, serving as the feedstock for the manufacture of new products or as an energy source. But often, facilities that are affected by waste or hazardous material discharges require remediation and long-term management strategies.



In response to public demand, regulators have established high performance standards for waste management systems sites affected by past activities. In addition to regulatory obligations, there is often a compelling business case for the proactive management of residuals from both public and private sector generators.

Dillon's waste management and remediation solutions practice acknowledges the requirement for innovative solutions during the overall waste/resource management life cycle. Consistent with the multi-disciplinary nature of the field, solutions require technical professional expertise in civil, chemical and environmental engineering and hydrogeology. These skills are contained within Dillon's waste management and remediation solutions practice. Specific services provided through our practice include:

- waste characterization and quantities analyses
- performance assessments of existing management programs and facilities
- stakeholder consultation and education
- development of long-term waste management master plans
- design and implementation of waste diversion (reduction, re-use, recycling and composting) strategies
- design and implementation of waste management facilities including landfills, transfer stations, recycling plants, compost facilities and waste-to-energy operations
- decommissioning and closure of disposal sites and support facilities
- design and implementation of remediation systems for sites impacted by previous waste disposal or industrial use activities
- identification of unique management requirements for special waste materials

