



McGILL
The compost people®

Ireland Operations Overview

McGill Environmental Systems is a compost manufacturer specialising in the management of compostable waste by-products and residuals from local authorities, industries, and agribusinesses, offering a full range of services, including transportation and marketing. It has been building and operating large regional facilities since 1991. The company operates three facilities in Ireland and three in the U.S.

All McGill manufacturing plants are indoor operations and weather independent, providing services year round. Central to the McGill operation is the safe and secure treatment of biodegradable waste streams and the manufacture of quality compost products. All McGill compost products are continuously computer-monitored and temperature-controlled during processing. Products are tested for the following:

- Pathogens such as E. Coli and Salmonella
- pH, heavy metals, organic matter content, mercury, nitrogen
- Stability

before returning a safe, stable product to the soil and wider environment.

Clients of McGill can rest assured that their biodegradable wastes no longer pose a threat to the environment or public health. Risk of liability is significantly reduced, if not eliminated. Full traceability from waste collection to acceptance at a McGill facility to end use is a standard service, including full management reporting with detailed registered and other client-tailored reports available.

Key Services

Our primary services include:

- Compost manufacturing
- Waste collection and transportation as part of integrated “one-stop” recycling service
- Biological treatment/stabilisation of mechanically-separated organic ‘fines’
- Mobile treatment and dewatering of sludges (where required)
- Design-build-operate and technology licensing services
- Compost sales

We accept:

- Municipal and non-hazardous industrial sludges and biosolids
- Pallets, green waste, cardboard, paper, sawdust and woodchip
- Biodegradable and certain non-biodegradable by-products from the drinks, dairy, and pharmaceutical industries (and other materials, subject to regulatory compliance)
- Source-separated brown bin (kitchen and catering) wastes

Process Description

Composting relies on the feeding activity of naturally occurring populations of specific micro-organisms to break down raw materials at the molecular level. McGill's technology, based on the static pile, forced-aeration

composting method, creates and maintains a process environment which encourages the proliferation of the microbes responsible for biodegradation. This greatly accelerates the biodegradation process, resulting in rapid throughput and consistent product quality.

A computer monitors the process continuously and controls fans which move air through the composting mass to remove excess heat and maintain adequate oxygen supplies for the microbes. The heat produced during the composting process is self-generating, and the resulting high temperatures are held at specific levels for a specified period of time to kill off pathogens and weed seeds. The McGill process meets or exceeds EPA requirements for designation as a Class 1 Quality Compost, suitable for unrestricted end use.

McGILL Facilities in Ireland	Coom Glenville Co Cork	Ballinvoher Castletownroche Co Cork	Kilmolash Cappoquin Co Waterford
EPA License	W0180-1	Not applicable	W0245-01
Local Authority Waste Permit	Not applicable	WFP-CK-09-0011-02	Not applicable
Dept. of Agriculture ABP Permit	COMP 31	None	None

Compost Sales and Marketing

As a compost manufacturer, McGill is also involved in the formulation and marketing of compost-based products. It has a well-established customer base in bulk, wholesale sales to the landscaping, construction and land-remediation industries.

Experienced Team

During its 20 years in composting, McGill has earned an unsurpassed record of sustained, reliable, cost-effective service to its customers. Many have used McGill transportation and composting services for over 10 years. In this time, the McGill team has developed significant experience in the management of biodegradable wastes and the manufacture of quality compost products. A professional approach to account management ensures this experience results in continued added value for McGill clients.



For Further Information:

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