

# CSR<sup>plus</sup> VERMICAST TECHNOLOGIES LTD.

Supporting Sustainable Urban Organic Waste Recycling

## Who Are We?

Vermicast Technologies Ltd. is committed to supporting sustainable urban organic waste management through the design, building and operation of turn-key industrial scale applications of vermicasting.

Vermicast Technologies Ltd. provides municipalities with a cost-effective and environmentally safe alternative to current organic disposal methods employing landfill or incineration. Dedicated to Corporate Social Responsibility our goal is to help municipalities return organic matter back to the land it came from through advanced, scientifically tested proprietary processes of vermicasting.

Vermicast Technologies Ltd. is a subsidiary of CSRplus Vermicast Industries Inc., a wholly owned and operated Canadian company with offices in Toronto, Ontario and Calgary, Alberta but operating throughout North America.



Our Design-Build-Operate solutions provide all of the required engineering, site selection support, LEEDS building design, construction, processing equipment, installation, and training required to quickly and safely recycle high volume waste organic matter.

We provide all of the professional, technical and management resources required for addressing the unique needs of individual municipalities. Our team includes experts in municipal waste management, soil sciences, engineering, vermiculture, composting and management sciences.

## Solutions to Urban Organic Waste

More than 70% of the world's waste stream consists of organic material and there are increasing pressures to deal with this waste in ways that are less harmful to the environment than the usual methods of land-filling or incineration. CSRplus believes there is a huge need to return the organic matter back to the soil and the solution to urban organic waste disposal therefore lies in large-scale applications of vermicast stabilization.

Vermicast Technologies Ltd. conducts characterization projects with municipalities to review, assess, and evaluate the specific system configurations required to effectively handle the specific organic waste streams involved in the community.

It is well-known that organic material can be composted; however, most current practices require significant tracts of land and extended periods of time for the waste to decompose fully. The CSRplus solution, is accomplished in an indoor environment utilizing a fraction of the current space requirement, ensuring a benchmark quality control program and an absolute minimum of odour. These advantages make it possible to operate large-scale processing units in urban settings close to the waste source.

The CSRplus proprietary technology uses an accelerated process of composting and vermiculture. In just two weeks of flow-through time we are able to quickly recycle a wide range of waste streams and produce a high nutrient organic soil amendment that has a wide range of agricultural applications.