



Appendix C

Proposed Green Bin Organics Processing Facility

DEFINITIONS

“Anaerobic Digestion” means the controlled biological conversion of organic materials in the absence of oxygen to produce biogas, liquid effluent and digestate, an organic solid material.

“Anaerobic Digester” refers to a sealed tank where the anaerobic digestion process takes place.

“Biogas” refers to a combustible gas composed primarily of carbon dioxide and methane resulting from the biological decomposition of organic material under anaerobic conditions.

“Cogeneration” means the simultaneous production of electricity and thermal energy (heat) from the same fuel source, in this case biogas.

“Composting” means the controlled biological decomposition of organic materials in the presence of oxygen for the purpose of producing an organic material known as compost.

“Digestate” means a solid organic material resulting from anaerobic digestion at an organics processing facility and which is further processed at an outdoor licensed composting site to produce compost.

“Green bin organic material” or “source separated organics (SSO)” means materials separated from other components of the solid waste stream by the waste generator generally in accordance with directions provided by the City for the Green Bin Program and that is collected by or on behalf of the City. Green bin organic material generally consists of food waste, wet paper waste, pet waste and diapers and sanitary products.

(Green Bin Program Information: <http://www.toronto.ca/greenbin/index.htm>)

“Green bin organics processing facility” or “organics processing facility” means the building in which material processing occurs and any structures adjacent to the building that are directly involved in material processing or in the treatment of emissions from material processing and the immediate property on which the buildings and structures are located.