

AGENDA
Community Development Committee



Thursday, August 23, 2012 at 7:00 p.m.
55 Zina Street, Orangeville – Sutton Room – 2nd Floor

Declarations of Pecuniary Interest by Members

REPORTS

1. COMMUNITY DEVELOPMENT COMMITTEE – August 23, 2012 – Item #1
Draft Waste Management Collection By-Law

A report from the Director of Public Works dated August 23, 2012 to present the Committee with a draft Waste Collection By-law.

Recommendation:

For the consideration of the Committee.

2. COMMUNITY DEVELOPMENT COMMITTEE – August 23, 2012 – Item #2
Landfill Services Transferred Due to Closures

A report from the Director of Public Works dated August 23, 2012 to inform the Committee of the situation with the services currently being provided at the local landfill sites that will need to be transferred due to the closure of the landfill sites.

Recommendation:

THAT Report CDC-2012-08-23, Landfill Services, from the Director of Public Works dated August 23, 2012 be received;

AND THAT the Townships of Amaranth and Mulmur and the Town of Mono be notified where the following services will be provided:

<i>Material</i>	<i>Location</i>
<i>Yard waste, brush and Christmas trees</i>	<i>Dufferin Transfer</i>
<i>Kitty litter</i>	<i>With garbage</i>
<i>Ashes</i>	<i>In garbage after a week of cooling.</i>
<i>Metal</i>	<i>Any metal recycler or Dufferin Transfer</i>
<i>Propane tanks</i>	<i>HHW Days (Dufferin Transfer is being investigated as a location.)</i>
<i>Tires</i>	<i>Most tire dealers or Dufferin Transfer</i>

Bale wrap	Dufferin Transfer
Construction Waste	Dufferin Transfer
White Goods	Any metal recycler or Dufferin Transfer

3. COMMUNITY DEVELOPMENT COMMITTEE – August 23, 2012 – Item #3
Preliminary Waste Audit Findings

A report from the Director of Public Works dated August 23, 2012 to summarize the findings from the Waste Audit conducted by staff in the months of May and June 2012.

Recommendation:

THAT the report from the Director of Public Works dated August 23, 2012 with respect to Waste Audit Findings be received.

CORRESPONDENCE

4. COMMUNITY DEVELOPMENT COMMITTEE – August 23, 2012 – Item #4
Township of Amaranth

Resolution from the Township of Amaranth dated August 15, 2012 requesting that the County of Dufferin make arrangements for a Re-use Centre to be in place when the County assumes Waste Management Responsibility.

Recommendation:

For consideration of the Committee.

5. COMMUNITY DEVELOPMENT COMMITTEE – August 23, 2012 – Item #5
World's Largest Energy-from-Waste Plant

Extract from publication, Plastics and Rubber Weekly regarding the creation of the World's largest energy-from-waste facility in England.

Recommendation:

THAT the article regarding the largest proposed Energy-from-Waste facility in England be received.

Next Meeting: Thursday, September 27, 2012
55 Zina Street, Orangeville

CORPORATION OF THE COUNTY OF DUFFERIN



REPORT TO COMMUNITY DEVELOPMENT COMMITTEE



To: Chair Taylor and Members of Community Development Committee
From: Trevor Lewis, Director of Public Works
Date: August 23, 2012
Subject: Draft Waste Collection By-law

PURPOSE

The purpose of this report is to present a draft of the waste collection By-law.

BACKGROUND and DISCUSSION

County of Dufferin Bylaw 2010-29 empowers the County of Dufferin to assume authority for the establishment, operation and delivery of waste collection and treatment programs and services for the County of Dufferin. The Waste Collection By-law will ensure that waste collection, disposal, storage and transportation comply with local and provincial legislation, and will guide the effective management of Waste throughout the County.

A copy of the draft bylaw is attached to this report.

LOCAL MUNICIPAL IMPACT

The By-law will come into effect on June 1, 2013 and will impact residents in all of the local municipalities.

FINANCIAL IMPACT

The By-law will create some expense depending on the degree of enforcement. In most cases staff will take every opportunity to use infraction of the By-law as an educational opportunity.

Recommendation

THAT Report CDC-2012-08-23, Draft Waste Collection Bylaw, from the Director of Public Works dated August 23, 2012 be received for the Committee's consideration.

Respectfully submitted by:

Original signed by,

Trevor Lewis, P.Eng.
Director of Public Works
and County Engineer

Prepared by:

Original signed by,

Chris Fast
Waste Management Collections
Coordinator

CORPORATION OF THE COUNTY OF DUFFERIN

By-law Number 2012-XXX

A By-law to provide for the collection of waste within the County of Dufferin.

WHEREAS County of Dufferin Bylaw 2010-29 empowers the County of Dufferin to assume authority for the establishment, operation and delivery of waste collection and treatment programs and services for the County of Dufferin and all its constituent lower-tier municipalities;

WHEREAS Section 11 and 12 of the *Municipal Act, 2001*, S.O. 2001, c. 25 authorizes a county to provide any service that the municipality considers necessary or desirable for the public;

AND WHEREAS the County considers the management of Waste as necessary or desirable for the public;

AND WHEREAS Subsection 10(2), paragraph 7 of the *Municipal Act, 2001* authorizes a county to pass by-laws respecting services that the municipality is authorized to provide under Subsection 10(1);

AND WHEREAS Subsection 8(3), paragraphs (a) and (b) of the *Municipal Act, 2001* provide that a by-law under Section 10 respecting a matter may regulate or prohibit respecting the matter and may require persons to do things respecting the matter;

AND WHEREAS Section 127 of the *Municipal Act, 2001* further authorizes a county to prohibit the depositing of refuse on land without the consent of the owner or occupant of the land, and to define "refuse" for this purpose;

AND WHEREAS Section 128 of the *Municipal Act, 2001* authorizes a county to prohibit and regulate with respect to public nuisances, including matters that, in the opinion of council, are or could become or cause public nuisances, and provides that the opinion of council, if arrived at in good faith, is not subject to review by any court;

AND WHEREAS County Council has determined that Waste which is in such a condition that it can be blown in the wind, allows odour to escape, is likely to attract animals, including, but not limited to, insects or birds, or presents a health, safety or fire risk, is, or could become or cause a public nuisance;

AND WHEREAS Subsection 446(1) of the *Municipal Act, 2001* provides that if a county has the authority under a by-law to direct or require a person to do a matter or thing, the county may also provide that, in default of it being done by the person directed or required to do it, the matter or thing shall be done at the person's expense;

NOW THEREFORE THE COUNCIL OF THE CORPORATION OF THE COUNTY OF DUFFERIN ENACTS AS FOLLOWS:

INTERPRETATION

1. (1) For the purposes of this By-law, the following terms shall have the corresponding meanings:
 - (a) "**Automated Collection Method**" means the collection of Waste by means of the mechanical lifting and tipping of Carts into specially designed collection vehicles, used at a Multi-Residential Property or an IC&I Property;
 - (b) "**Bulky Item**" means a large or heavy article such as a sofa, chair, table, mattress, television and the like;

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of By-Law Number 2012-

- (c) **“By-law”** means this By-law including any Schedules forming part of it, together with any amendments to this By-law or its Schedules;
- (d) **“Certified Compostable Bag”** means (a) a bag or liner certified as compostable and displaying the Biodegradable Product Institute logo on the packaging containing the bag or liner; (b) a paper bag; or (c) another acceptable certified compostable bag or liner as may be approved by the Director of Public Works;
- (e) **“Collection Day”** means the day on which Waste has been scheduled to be collected, as determined by the Director of Public Works, and subject to change;
- (f) **“Collection Point”** means that part of a property which has been designated by the Director of Public Works for the setting out and collection of Waste;
- (g) **“Container”** means a container that can contain Waste, and includes a Cart, Bin, a Reusable Container and a Single-Use Container;
- (h) **“Council”** means the council of the County of Dufferin;
- (i) **“County”** means the Corporation of the County of Dufferin;
- (j) **“County Waste Collection Service”** means collection of Waste by or on behalf of the County;
- (k) **“County Waste Collection Service Agreement”** means an agreement between a Waste Generator or Property Owner and the County;
- (l) **“County Waste Collector”** means a Person who, on behalf of the County, collects, removes, transports or disposes of Waste;
- (m) **“Director of Public Works”** means the Director of Public Works of the County or his or her designate;
- (n) **“Downtown Collection Area”** means an area in the downtown core of a municipality;
- (o) **“Dwelling Unit”** means any building or structure, or any part of a building or structure consisting of a room or suite of rooms, that is used, or designed or intended to be used, for residential purposes;
- (p) **“Garbage”** means Waste, other than Organics, Recyclables and Special Collection Waste, that is collectable pursuant to this By-law, and includes, but is not limited to, the materials set out in Schedule “A” to this By-law;
- (q) **“Goods Exchange Event”** means a day or event, designated by the Director of Public Works, when Waste Generators occupying Residential Properties may place usable unwanted materials at Collection Points for removal by other members of the public;
- (r) **“Green Bin”** means a bin provided to Residential Properties, by the County, for the purposes of collecting residential Organics;
- (s) **“IC&I Property”** means an industrial, commercial, and/or institutional property, including, but not limited to, a retail shopping establishment or complex, office building, restaurant, hotel, motel, hospital, educational institution or manufacturing facility;
- (t) **“Jute Bag”** means a bag constructed of jute, or like material;

- (u) “**Kraft Bag**” means a large bag constructed of easily decomposable paper;
- (v) “**Manual Collection Method**” means the collection of Waste by means of the manual lifting of Waste and the manual lifting and tipping of Waste containers and/or bags into collection vehicles;
- (w) “**Municipal Hazardous or Special Waste**” means municipal hazardous or special waste as defined in *Ontario Regulation 542* under the *Waste Diversion Act, 2002*, S.O. 2002, c. 6 and includes, but is not limited to, a wet or dry cell battery, pressurized container, aerosol container, propane container, portable fire extinguisher, fertilizer, pesticide, oil filter, fluorescent light bulb or tube, pharmaceutical, medical syringe, mercury switch or thermostat, household cleaner or detergent, wax or polish;
- (x) “**Multi-Residential Property**” means a property, including, but not limited to, an apartment, row house, townhouse complex or condominium property, which contains 6 or more Dwelling Units;
- (y) “**Non-Collectable Waste**” means Waste other than Garbage, Organics, Recyclables or Special Collection Waste, and includes, but is not limited to, the materials set out in Schedule “B” to this By-law;
- (z) “**Occupant**” means any Person apparently in occupation of property, or any portion thereof, or of a building or structure or any portion thereof;
- (aa) “**Officer**” means a By-law Enforcement Officer appointed by the County to enforce the provisions of this By-law, an Officer of the Ontario Provincial Police, and a Police Officer of one of the lower tier municipal Police Services;
- (bb) “**Organics**” means solid non-hazardous Waste derived from plants or animals, including Waste consisting of compounds of carbon, all readily biodegradable, and limited to the materials listed in Schedule “C” to this By-law;
- (cc) “**Organics Cart**” means a Cart for Organics, used in a Multi-Residential Property or an IC&I Property;
- (dd) “**Outdoor Waste Storage Receptacle**” means a container in which Waste is stored outdoors;
- (ee) “**Paper Bag or Liner**” means a bag or liner constructed of easily decomposable paper;
- (ff) “**Person**” includes an individual, partnership or corporation;
- (gg) “**Plastic Bag**” means a transparent plastic bag;
- (hh) “**Private Waste Collection Service**” means collection of Waste by or on behalf of a Person other than the County;
- (ii) “**Property Owner**” means the registered owner of property, including leased premises, and the owner’s agent or property manager, or any other Person having charge or control of the property;
- (jj) “**Recyclables**” means Waste, other than Garbage, Organics, Special Collection Waste or Non-Collectable Waste, capable of being recycled, and including, but not limited to, the materials set out in Schedule “D” to this By-law;

- (kk) “**Recyclables Cart**” means a Cart for Recyclables, used in a Multi-Residential Property or an IC&I Property;
- (ll) “**Refuse**” means Waste which appears to have been abandoned;
- (mm) “**Refuse Constituting a Public Nuisance**” means any Refuse that is in such a condition that it can be blown in the wind, allows odour to escape, is likely to attract animals, including insects or birds, or presents a health, safety or fire risk;
- (nn) “**Residential Property**” means a property which contains 1 to 5 Dwelling Units;
- (oo) “**Reusable Container**” means a durable container, including a County-Issued blue box or green bin (where applicable), capable of being reused to contain Waste in the Manual Collection Method;
- (pp) “**Sharp Object**” includes broken glass, a razor or other blade, sewing needle, clinical glass, knife, scissors, straight razor, screw, nail, axe, hatchet, lawn mower blade and the like;
- (qq) “**Single-Use Container**” means a Plastic Bag, Cord, Kraft Bag, Paper Bag or Liner or Jute Bag capable of containing Waste and intended to be disposed of along with the Waste it contains;
- (rr) “**Source Separation Program**” means a program to facilitate the separation of Garbage, Organics, Recyclables, Special Collection Waste and Non-Collectable Waste at the source of generation;
- (ss) “**Special Collection Waste**” means Waste collected under a program designated by the County for the Collection of Bulky Items, White Goods, Yard Waste, or other Waste as designated by the Director of Public Works;
- (tt) “**Waste**” includes Garbage, Organics, Recyclables, Special Collection Waste and Non-Collectable Waste;
- (uu) “**Waste Collection Method**” means a specific Waste collection method and includes the Automated Collection Method, the Manual Collection Method and any other method or combination of methods, as designated by the Director of Public Works;
- (vv) “**Waste Generator**” means any Person who generates Waste and includes a Property Owner and an Occupant;
- (ww) “**White Goods**” means an item such as a refrigerator, freezer, humidifier, air conditioner, stove, washer, dryer, dishwasher, hot water tank, bath tub, solid metal desks, barbeques (not including propane tanks); and
- (xx) “**Yard Waste**” includes a mixture of leaves, brush, branches, tree limbs, hedge trimmings, Christmas trees, and woody plants including vines, rose bushes and the like.
- (2) In this By-law, words importing the singular number shall include the plural and vice versa and words importing one gender (masculine, feminine or neuter) shall import the other genders, unless the context requires otherwise.
- (3) If a court of competent jurisdiction declares any provision of this By-law to be invalid, illegal, unenforceable or of no force and effect, the remainder of this By-law shall continue in force and be applied and enforced in accordance with its terms to the fullest extent possible according to law.

- (4) Any reference herein to any statute, regulation, by-law or other law shall be construed as a reference thereto as amended or re-enacted from time to time or as a reference to any successor thereto.
- (5) This By-law shall not be interpreted as exempting any Person from the requirement to comply with any other County by-law. In the event of conflict between the provisions of this By-law and any other County by-law, the provisions which are more protective of the environment shall apply.

REQUIREMENTS FOR SETTING OUT WASTE FOR COLLECTION

Waste Set Out for Collection

2. Every Waste Generator and Property Owner shall ensure that:
- (a) Ashes are not set out for collection until at least 5 days after they have been removed from fire and are kept separate from other Waste;
 - (b) Waste is drained of liquids before it is placed in a Container for collection;
 - (c) Recyclables are free of any solid, semi-solid or liquid contaminant which would render them non-recyclable;
 - (d) Waste set out for collection is separated into Garbage, Organics, Recyclables and Special Collection Waste; and
 - (e) Each type of collectable Waste (Garbage, Organics, Recyclables and Special Collection Waste) is placed in a separate Container, bag, or otherwise, as per this By-law, when set out for collection.

Times to Set Out Waste for Collection

3. (1) Every Waste Generator and Property Owner shall ensure that:
- (a) No Waste is set out for collection before 5:00 p.m. on the day preceding the day scheduled for collection; and
 - (b) Waste to be collected is set out for collection no later than **6:30 a.m.** on the day scheduled for collection.
- (2) No Waste Generator or Property Owner shall set out, or permit to be set out, any Waste for collection, except in accordance with the times described above.

Removal of Waste Not Collected and Containers

4. Every Waste Generator and Property Owner shall ensure that Waste not collected and all Containers are removed from the Collection Point before 7:00 p.m. on the day of collection.

Container Requirements For Setting Out Waste

5. Every Waste Generator and Property Owner shall ensure that:
- (a) Every Reusable Container set out for Garbage collection is:
 - (i) Rust-resistant;
 - (ii) Non-absorbent;

- (iii) Water-tight;
 - (iv) In good repair and good working order;
 - (v) Covered with a close-fitting lid or cover;
 - (vi) Equipped with at least two handles;
 - (vii) Complies with specific container and bag requirements, as per the Schedules of this By-law.
- (b) Every Plastic Bag set out for Waste collection is:
- (i) Capable of carrying the Waste contained therein without tearing or splitting;
 - (ii) Secured so as to prevent spillage;
 - (iii) Complies with specific container and bag requirements, as per the Schedules of this By-law.
- (c) Every Cart set out for Waste collection at a Multi-Residential Property or IC&I Property is:
- (i) Approved by the Director of Public Works;
 - (ii) In good repair and good working order;
 - (iii) Of a capacity of no more than 360 litres (95 U.S. Gallons), unless otherwise specified by the Director of Public Works.
- (d) Every Waste Generator or Property Manager shall ensure that collection of Yard Waste is limited to 20 Bags/bundles/Reusable Containers per household, per pick up.
- (e) Every Waste Generator or Property Owner shall ensure that Yard Waste is set out for collection from a Residential Property or Multi-Residential Property, as follows:
- (i) loose in a Reusable Container identifying the contents as Yard Waste;
 - (ii) loose in a Kraft Bag or Jute Bag;
 - (iii) securely tied with twine in a separate bundle no more than 1.2 metre (4 feet) in length, or 20kg in weight;
 - (iv) Loose in a Green Bin or Green Cart, but only to “top-up” the bin.
- (f) No Waste is set out for collection in such a manner that it is accessible to any animal or can be blown by wind;
- (g) No Waste is set out for collection in such a manner that any liquid leaks from such Waste;
- (h) No Plastic Bag, Reusable Container or Cart is set out for collection filled with Waste above the top of such Plastic Bag, Reusable Container or Cart;
- (i) No Reusable Container or Cart of Waste is set out for collection unless it is securely closed with a tight-fitting lid or cover; and
- (j) No Waste is set out for collection on top of, underneath or abutting a Cart.

Location for Waste to be Set Out

6. (1) Every Waste Generator and Property Owner shall ensure that all Waste set out for collection is set out at a Collection Point located on, adjacent to or in front of the property where the Waste was generated.
- (2) Unless otherwise determined by the Director of Public Works, the Collection Point for a property is where pedestrian traffic is not impeded and:
 - (a) Where the property is beside a road and the road has a curb, within 0.3 metres (12 inches) away from the road behind the curb;
 - (b) Where the property is beside a road and the road has a gravel shoulder, at the outside edge of the shoulder;
 - (c) Where the property is beside an alley, as close as possible to the edge of the alley; and
 - (d) In a Downtown Collection Area, on the sidewalk directly adjacent the curb.
- (3) Every Waste Generator and Property Owner shall ensure that:
 - (a) All Waste set out for collection is placed so as not to impede or obstruct pedestrian or vehicular traffic or road maintenance operations, or so as to endanger the safety of the County Waste Collector or any other person;
 - (b) No Waste is set out for collection on top of any snow bank exceeding 0.3 metres (1 foot) in height, and the area in which such Waste is placed is clear of snow and ice to provide for ready and safe access by the County Waste Collector;
 - (c) All Special Collection Waste that is permitted to be set out for collection is placed adjacent to, but apart from, any Garbage, Organics or Recyclables set out for Collection;
 - (d) All Containers of each of the foregoing types of Waste are placed apart from all Containers of each of the other foregoing types of Waste.
 - (e) Any bundled cardboard or rigid container of Sharp Objects set out for Collection is placed adjacent to, but apart from, any other Containers or bags set out for collection.
- (4) Every Waste Generator and Property Owner in a Multi-Residential Property or IC&I Property participating in the Automated Collection Method shall ensure that any Cart set out for collection, is placed so that there is at least 1.0 metre (3 feet) of clearance on each side of the Cart and at least 5.0 metres (16.4 feet) clearance above the Cart.

DUTIES OF WASTE GENERATORS AND PROPERTY OWNERS

General

7. Every Waste Generator and every Property Owner shall comply with all applicable provisions of this By-law.

Compliance with Collection Method

8. (1) Every Waste Generator and Property Owner shall ensure compliance with the provisions of this By-law respecting the Waste Collection Method which is applicable to the Waste Generator's or Property Owner's property.
- (2) Every Waste Generator and Property Owner of a Multi-Residential Property or an IC&I Property, shall ensure that a Private Waste Collection Service is employed in respect of Waste generated on his or her property, unless such Waste Generator or Property Owner enters into a County Waste Collection Service Agreement in respect of the property.
9. For every property which is leased, the Property Owner shall provide, for the communal use of every tenant, sufficient Reusable Containers (if the property is participating in the Manual Collection Program) or sufficient Carts (if the property is participating in the Automated Collection Program) for Garbage, Organics and Recyclables.
10. Every Waste Generator and Property Owner to whom a Recyclables Cart, Organics Cart or Green Bin has been provided by the County shall:
- (a) Ensure such Cart/Bin is kept in good condition, and not in a condition that is noxious, offensive or dangerous to public health;
 - (b) Ensure the safekeeping of such Cart/Bin;
 - (c) Promptly notify the Director of Public Works if such Cart/Bin is lost or stolen;
 - (d) Be responsible for the cost of repairing such Cart/Bin if it is damaged, or of replacing such Cart/Bin if it is lost or stolen, if either occurs through the negligence of the Waste Generator or Property Owner, or if the damage or loss is not covered by warranty; and
 - (e) Promptly return each Cart/Bin to the Director of Public Works upon request.
11. (1) Every Property Owner of a leased property shall designate, and identify to the Director of Public Works, an individual who shall be responsible for ensuring the management of Waste for such property.
- (2) Every Property Owner of a leased property shall ensure that source separation instructions, provided by the Director of Public Works, are posted on such Property.

Source Separation

12. Every Waste Generator shall ensure that Waste set out for collection is separated into Garbage, Organics, Recyclables and Special Collection Waste as provided in this By-law.

Participation in County Waste Collection Service

13. (1) Every Waste Generator and Property Owner who participates in the County Waste Collection service shall ensure that all Waste that is collectable by the County as part of the County Waste Collection Service is set out for collection in accordance with this By-law.

- (2) Where a Waste Generator or Property Owner of a Multi-Residential Property or IC&I Property opts out of the County Waste Collection Service for one or more types of collectable Waste, he or she shall provide written notice to the Director of Public Works, in a form satisfactory to the Director of Public Works, that the Waste Generator or Property Owner of a Multi-Residential Property or IC&I Property shall withdraw his or her specified property from collection by the County of the specified type or types of Waste, effective on a specified date.
- (3) If a Waste Generator or Property Owner of a Multi-Residential Property or IC&I Property provides Organics or Recyclables generated on his or her property to any Person other than the County, without first opting out as set out in this section, the Director of Public Works may determine that the County shall not provide any County Waste Collection Service to that property.
- (4) Where the quantity of Waste generated exceeds the level of service defined in this By-law, or where the Waste Generator or Property Owner of a Multi-Residential Property or IC&I Property desires a higher level of service, or an alternate method of collection, the Waste Generator or Property Owner of a Multi-Residential Property or IC&I Property may contract a Private Waste Collection Service with properly licensed contractors. The Waste Generator or Property Owner is responsible to pay for the removal and disposal of that Waste.
- (5) Notwithstanding 13(4), residential condominium corporations may apply for a rebate towards the cost of their Waste disposal via a Private Waste Collection Service. To be eligible to receive this rebate, the following conditions must be met:
 - (a) Only residential condominium corporations may apply for the rebate;
 - (b) The residential condominium corporation must own and maintain the containers;
 - (c) All of the Waste generated by the condominium must be disposed of via the Private Waste Collection Service, unless such Waste Generator or Property Owner enters into a County Waste Collection Service Agreement in respect of the property;
 - (d) The residential condominium corporation must have Source Separation Programs in place for the storage, set out, collection and disposal of Recyclables, Organics, and Special Collection Waste, in addition to that of Garbage, and such Program shall be to the satisfaction of the Director of Public Works.
 - (e) The residential condominium corporation must apply to be considered for the rebate no later than January 30 of the calendar year for which the rebate will apply. This application can be obtained at the Public Works Department, 55 Zina Street, Orangeville;
 - (f) Requests for payment shall be submitted on the appropriate form, shall include copies of invoices in a form acceptable to the Director of Public Works, and shall be submitted in January following the calendar year for which the rebate is being paid.
- (6) The following restrictions shall apply to the rebate discussed in Section 5 of this By-law:
 - (a) The amount of the rebate shall be capped at a maximum of \$25.00 (CAD) per Dwelling Unit, per year, or the actual cost, whichever is less;
 - (b) The cap of \$25.00 (CAD) per unit, per year shall not be increased for any reason;
 - (c) If the County implements a full user pay system for Waste collection, the rebates shall cease immediately;

- (d) The rebates will be paid only towards Waste collection costs incurred after January 1, 2013, and will be paid only to the condominium corporation.

Outdoor Storage of Waste

14. (1) Every Waste Generator and Property Owner shall ensure that Waste stored outdoors is stored in Outdoor Waste Storage Receptacles which:
- (a) Are constructed of durable, non-porous, easily cleanable material;
 - (b) Are closed with tight-fitting lids or covers;
 - (c) Do not permit Waste contained therein to become Refuse Constituting A Public Nuisance;
 - (d) Do not permit any liquid to escape, leak or spill;
 - (e) Are not located so that they block any doorway or fire route; and
 - (f) Are not located at a Collection Point.
- (2) No Person shall store, or permit the storage of, Waste in an Outdoor Waste Storage Receptacle located within a Downtown Collection Area unless such Outdoor Waste Storage Receptacle is kept locked.
- (3) Any Person who stores grease in an Outdoor Waste Storage Receptacle shall ensure that the Outdoor Waste Storage Receptacle is kept locked and free of grease on the outside, that no grease escapes, leaks or spills, and that no odour escapes.
- (4) Notwithstanding any other provision of this By-law, no person shall store, or permit the storage of, Municipal Hazardous or Special Waste outdoors in a Downtown Collection Area.
- (5) If Waste stored outdoors on a property produces an odour which affects a neighbouring property, then the Waste Generator who generated the Waste and the Property Owner of the property where the Waste is stored shall control such odour.

Refuse Constituting a Public Nuisance

15. Every Property Owner shall at all times keep the Property Owner's property free and clear of Refuse Constituting a Public Nuisance.

DUTIES OF THE PUBLIC

No Scavenging

16. (1) No Person shall pick over, interfere with or remove any Waste set out for collection pursuant to this By-law, whether on public or private property, without the consent of the Director of Public Works and the applicable Property Owner.
- (2) The immediately foregoing provision of this By-law, relating to scavenging, does not apply to a Goods Exchange Event.
- (2) No person shall scatter any Waste set out for collection pursuant to this By-law, whether on public or private property.

No Depositing of Refuse

17. (1) In addition to and without limiting the provisions of any other County by-law, no person shall throw, place or deposit Refuse on any public or private property in the County, including but not limited to County-owned property, except with the consent of the Property Owner of such property.
- (2) No Person shall:
- (a) Place, permit to be placed or permit to remain on or in any street or road allowance abutting the property which the Person owns or occupies, any Waste, unless authorized by this By-law and in accordance with applicable County and lower-tier municipal by-laws;
 - (b) Throw, cast or otherwise deposit, or permit any contractor, agent or employee to throw, cast or otherwise deposit, any Refuse whatsoever on or in any street or other public property, except as expressly authorized in this By-law;
 - (c) Place Refuse on public property for collection as part of a Private Waste Collection Program, unless approved by the Director of Public Works; or
 - (d) Deposit Refuse generated by the Person on private property, into public street or park receptacles, Containers or Carts.

DUTIES OF WASTE TRANSPORTERS

18. (1) No Person engaged in the business of collecting, removing or transporting Waste shall transport such Waste within the County unless such Person has received a Certificate of Approval from the Ministry of the Environment and does so with a vehicle specifically designed, constructed and intended for such purpose, and unless such vehicle has an enclosed body or a covering securely fastened to the body of the vehicle or, in the case of a packer-type vehicle, has hopper doors tightly and securely closed so as to prevent the escape of the contents of the vehicle to the outside.
- (2) No Person shall transport any Waste within the County in an open vehicle of any kind, including a trailer, unless such Waste is completely covered by a tarpaulin, canvas covering or the like and such covering is secured to the vehicle in such a manner as to prevent the escape of the contents of the vehicle to the outside.

POWERS OF THE COUNTY

Inspections

19. The Director of Public Works, Officers and other designated Staff may conduct all inspections (including the monitoring of Waste) necessary to administer and ensure compliance with the provisions of this By-law.

Orders

20. The Person who is the subject of an Order issued pursuant to this By-law shall comply with such Order no later than midnight on the deadline day for compliance provided for in the Order.
21. If an Officer finds Waste which is either not stored or not set out in accordance with the provisions of this By-law, the Officer may issue an Order to the responsible Waste Generator or Property Owner, requiring the Waste described in the Order to be removed at the expense of the Waste Generator or Property Owner, or to be properly stored or set out in accordance with the provisions of this By-law.

Remedial Actions

22. If an Officer finds Refuse thrown, placed or deposited on property without the consent of the Waste Generator or Property Owner, the Officer may, in the case of a municipal road allowance or County-occupied land may cause the Refuse to be removed from the property at the expense of the Person who threw, placed or deposited it thereon, and the County may recover the costs of so doing from such Person.
23. If an Officer finds waste which is either not stored or not set out in accordance with the provisions of this By-law, the Officer may, instead of issuing an Order, and without prior notice to the Waste Generator or Property Owner, cause the area identified to be cleared of such Waste at the expense of the Waste Generator or Property Owner, and the County may recover the costs of so doing from any such Waste Generator or Property Owner. In the case of the Property Owner, the County may recover such costs by adding them to the tax roll for the property and collecting them in the same manner as property taxes.
24. If a Waste Generator or Property Owner fails to ensure that no Waste leaks any liquid onto a municipal road allowance, an Officer may cause such land to be cleaned of the liquid at the expense of the Waste Generator, and the County may recover the costs of so doing from the Waste Generator. In the case where the Waste Generator is also the Property Owner of the property on which the Waste was generated, the County may recover such costs by adding them to the tax roll for the property and collecting them in the same manner as property taxes.
25. If the person who is the subject of an Order issued pursuant to this By-law fails to comply with such Order by the deadline for compliance, the County may have the matter or thing, directed or required in the Order, done at the Person's expense, and the County may recover the costs of doing the matter or thing from the Person who is the subject of the Order, or, if such Person is the Property Owner of the property to which the Order relates, the County may recover such costs by adding them to the tax roll and collecting them in the same manner as taxes.

Service Discontinuance

26. Where a Waste Generator or Property Owner has not complied with any applicable provision of this By-law, the County may discontinue the collection of Waste from that Waste Generator's or Property Owner's property. If service is to be discontinued, the County will provide notice, and an effective end-date of service will be indicated.

OFFENCE

27. (1) Any Person who contravenes any provision of this By-law is guilty of an offence.
- (2) Any director or officer of a corporation who knowingly concurs in the contravention by the corporation of any provision of this By-law is guilty of an offence.
- (3) Every offence under this By-law is designated as a continuing offence.

PENALTY

28. Except as otherwise provided in this By-law, any Person who is convicted of an offence under any provision of this By-law shall be liable to a fine not to exceed \$10,000 per day, or each part of a day, that the offence continues.

SERVICE OF DOCUMENTS

29. An Order, or any other notice or document provided pursuant to this By-law, shall be served upon the Person to be served by means of:

- (a) Personal service, in which case it shall be deemed to have been served on the date and at the time when hand-delivered in accordance with this By-law;
- (b) Facsimile transmission or email transmission, in which case it shall be deemed to have been served on the date and at the time when it is so transmitted;
- (c) Regular mail, in which case it shall be deemed to have been delivered on the fifth business day after the day it is mailed; or
- (d) Registered mail, in which case it shall be deemed to have been delivered on the date and at the time set out on the Canada Post confirmation record indicating successful delivery.

30. Personal service of a document may be provided as follows:

- (a) Where the Person to be served is an individual, by hand-delivering a copy of the document to that individual or an individual who appears to be at least sixteen years of age, at the last known address of the individual, or, if the individual to be served is to be served in the capacity of Waste Generator or Property Owner in respect of a property, the document may be left with an individual who appears to be at least sixteen years of age, at the property; or
- (b) Where the Person to be served is a corporation or partnership, by hand-delivering a copy of the document to an officer thereof or an individual who appears to be in charge of an office of the corporation or partnership, or, if the corporation or partnership to be served is to be served in the capacity of Waste Generator or Property Owner in respect of a property, the document may be left with an individual who appears to be in charge of the property.

GENERAL PROVISIONS

Delegation

31. (1) The Director of Public Works and all persons designated by the Director of Public Works are hereby authorized to administer and enforce the provisions of this By-law.

(2) Officers are hereby authorized to enforce the provisions of this By-law.

Effective Date of By-Law

32. This By-law shall come into effect on the 1st day of June, 2013.

Schedules

33. The following Schedules form part of this By-law:

Schedule "A" – General Provisions and examples of materials included in the definition of "Garbage"

Schedule "B" – General Provisions and examples of materials included in the definition of "Non-Collectable Waste"

Schedule "C" – General Provisions and examples of materials included in the definition of "Organics"

Schedule “D” – General Provisions and examples of materials included in the definition of “Recyclables”

DRAFT

Short Title

34. This By-law may be referred to as the “Waste Collection By-law”.

PASSED THIS.....DAY OF....., 2012

Walter Kolodziechuk - WARDEN

Pam Hillock - COUNTY CLERK

DRAFT

SCHEDULE "A" - Garbage

General Provisions

1. Every Waste Generator or Property Owner shall ensure that:
 - (a) No more than:
 - (i) Two (2) bags; or
 - (ii) Two (2) Reusable Containers; or
 - (iii) One (1) bag and one (1) Reusable Containerof Garbage are set out for collection, per household, per Collection Day.
 - (b) Garbage is set out for collection, as follows:
 - (i) Loose (un-bagged) in a Reusable Container identifying the contents as Garbage;
 - (ii) in a colourless, transparent Plastic Bag placed inside a Reusable Container identifying the contents as Garbage;
 - (iii) in a colourless, transparent Plastic Bag.
 - (c) Any Sharp Objects set out for collection are set out in a separate rigid container, no larger than 0.6 metres (2.0 feet) in any dimension, securely taped to secure the contents, clearly labelled as containing Sharp Objects;
 - (d) No Reusable Container or Single-Use Container containing Garbage including contents, weighs more than 20 kilograms (44 pounds);
 - (e) No Reusable Container set out for Garbage collection is greater than 125 Litres (33 gallons);
 - (f) No Plastic Bag set out for Garbage collection exceeds 31 inches x 42 inches;
2. A Waste Generator is permitted to place one (1) non-transparent Privacy Bag in each bag of Garbage set out for collection. The Privacy Bag shall be of no greater size than 15 inches x 15 inches, and the contents of which shall adhere to Schedule "A", Section 3 of this By-law.

Acceptable Materials

3. Every Waste Generator or Property Owner shall ensure that Garbage set out for collection is consistent with the following:
 - pet faeces, litter, litter waste and bedding waste, whether separate or intermingled enclosed in a Plastic Bag or bag;
 - artwork, a poster, vellum, a cleaned paint brush, and the like;
 - **an empty plastic bag**, cookie bag, cereal box liner, coffee package, foil pouch or packet, milk bag, butter wrapper, potato chip bag, piece of carbon paper, plastic wrap, candy wrapper, wrapper, and the like;
 - waxed paper, plastic lined fibre, a polycoated coffee cup;
 - a balloon, crayon, sticker, piece of sporting equipment, toy, and the like;

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of By-Law Number 2012-

- a binder, calculator, piece of chalk, elastic band, marker, overhead transparency, paper clip, pencil, pen, staple, piece of tape, and the like;
- a coat hanger, empty pot or pan, disposable razor, scouring pad, twist tie, utensil, tool, shovel, a piece of cutlery, jewellery, wire, rope, cord, hardware, and the like;
- a curtain, blind, dish cloth, glove, scarf, sheet, pillow, rag, shoe, boot, sponge, table cloth, towel, a piece of clothing, fabric, leather, linen, nylon, yarn, and the like;
- a small appliance no greater than 5 Kilograms in weight, such as a hair dryer, kettle, toaster, clock, and the like;
- a candle, empty cooler, cork, dryer sheet, furnace filter, lawn chair, match, photographic negative, picture frame, rubber glove, plastic straw, toothpick, piece of string, rubber or water softener salt, and the like;
- a hair brush, comb, toothbrush, empty toothpaste tube, item of cosmetics, deodorant, soap, and the like;
- a piece of lint, dirt, dust, vacuum bag contents, and the like;
- a condom, piece of dental floss, and the like;
- a dressing, bandage, gauze, swab, pipette, cast, speculum, urine, colostomy or enema bag, intravenous bag, catheter or other tubing, dentures, alginate impression or like material, piece of surgical clothing including a gown, mask, glove, patient bib or sheet, from a Residential Property only, and the like;
- any type of diaper, feminine hygiene product, sanitary product, wipe, and the like;
- Polylactic Acid plastic (PLA), biodegradable plastic, certified compostable plastic (including a container, utensil, plate), and the like;
- a Petri dish, test tube, microscope slide, scope, electrode, and the like; and
- any other item designated as Garbage by the Director of Public Works.

Unacceptable Material

4. Every Waste Generator or Property Owner shall ensure that Garbage set out for collection does not contain Recyclables, Organics, Special Collection Waste, or any other item per the provisions of this By-law.

SCHEDULE "B" – Non-Collectable Waste

Materials

1. Every Waste Generator or Property Owner shall ensure that Non-Collectable Waste is not set out for collection and shall include the following:
 - explosive or highly combustible material such as a celluloid cutting, moving picture film, or an oil-soaked or gasoline-soaked rag and the like;
 - carpet, carpet under padding, plaster, drywall, fibreglass insulation, lumber, concrete, a boulder or other waste residue resulting from construction, building renovation or a demolition operation;
 - soil, a rock, stone, gravel, and the like;
 - a stool sample, flesh or tissue from any animal or human, bodily fluid-stained material, infectious or otherwise, including clothing and bedding, an incontinence or feminine hygiene product known to be infectious, a liquid or solid medicine including a pill or vaccine, a container or vial from which a pill or vaccine is extracted that contains any amount of such pill or vaccine, surgical equipment, any of which is generated from a clinic, hospital, surgery, an office of a physician, surgeon, dentist, veterinarian or the like;
 - hay, straw, manure or night soil;
 - non-residential pet faeces, litter, litter waste and bedding waste, whether separate or intermingled;
 - an animal carcass, other part or any portion thereof of any dog, cat, fowl or any other creature with the exception of *bona fide* kitchen or food waste;
 - Waste brought into the County from outside its boundaries;
 - Municipal Hazardous or Special Waste;
 - Garbage, Organics, Recyclables or Special Collection Waste which has not been drained, prepared or packaged for Collection in accordance with the provisions of this By-law;
 - any material which may be classed as a "designated substance" pursuant to the *Occupational Health and Safety Act*, R.S.O. 1990, Chapter 321;
 - a tire, car battery, automotive part or body;
 - any material which is frozen or stuck to a Waste receptacle or container and cannot be removed by shaking manually, or by the automated arm in the Automated Collection System;
 - any material or substance which may cause damage to the natural environment;
 - any septic tank pumping, raw sewage, sewage sludge or industrial process sludge;
 - any tree limb, trunk or the like having a diameter greater than 5 centimetres (2 inches);
 - any radioactive material;
 - ashes from properties other than Residential Properties;
 - solidified cooking oils and cooked or raw grease and fats from properties other than Residential Properties; and

- any other item designated as a Non-Collectable Waste by the Director of Public Works.

DRAFT

SCHEDULE “C” - Organics

General Provisions

1. Every Waste Generator or Property Owner shall ensure that:
 - (a) Organics are set out for collection from a Residential Property, as follows:
 - (i) loose (un-bagged) in a Reusable Container identifying the contents as Organics;
 - (ii) in a Certified Compostable Bag, Paper Bag or Liner placed inside a Reusable Container identifying the contents as Organics;
 - (b) Organics are set out for collection from a Multi-Residential Property or IC&I Property, as follows:
 - (i) loose in an Organics Cart;
 - (ii) in a Certified Compostable Bag, Paper Bag or Liner placed inside an Organics Cart.
 - (c) No Reusable Container or Single-Use Container containing Organics including contents, weighs more than 20 kilograms (44 pounds);

Acceptable Materials

2. Every Waste Generator or Property Owner shall ensure that Organics set out for collection are consistent with the following list:
 - *bona fide* kitchen or food waste: fruit, vegetable and general table scraps, meat and fish/shellfish products, dairy products, eggs and egg shells, herbs, nuts and seeds, sugars and spices, confectionery products, sauces, bones, pet food, bread, grains, rice, pasta, flour, coffee grounds and tea bags;
 - solidified cooking oils and cooked or raw grease and fats from Residential Properties only;
 - paper fibres: soiled paper towels, facial tissues, paper plates, cotton balls, coffee filters, microwave popcorn bags, soiled paper food packaging items such as boxboard, cardboard, newspaper, and other paper fibre packaging materials, and shredded paper;
 - flowers, houseplants (soil removed), hair, pet fur, sawdust, wood chips and wood shavings;
 - small amounts of Yard Waste or brush, to “top up” Green Bin only; and
 - any other item designated as Organics by the Director of Public Works.

Unacceptable Material

3. Every Waste Generator or Property Owner shall ensure that Organics set out for collection does not contain Recyclables, Garbage, Special Collection Waste, or any other item per the provisions of this By-law.

SCHEDULE “D” - Recyclables

General Provisions

1. Every Waste Generator or Property Owner shall ensure that:
 - (a) Recyclables are set out for collection from a Residential Property, as follows:
 - (i) Loose (un-bagged) in a Reusable Container identifying the contents as Recyclables;
 - (ii) in a blue-tinted, transparent Plastic Bag, as overflow from a Reusable Container, identifying the contents as Recyclables.
 - (b) Recyclables are set out for collection from a Multi-Residential Property or IC&I Property, as follows:
 - (i) loose in a Recyclables Cart;
 - (ii) in a blue-tinted Plastic Bag, as overflow from a Recyclables Cart.
 - (c) Any cardboard set out for collection is broken down and is no more than 1.2 metre (4 feet) in any dimension.
 - (d) No Reusable Container or Single-Use Container containing Recyclables including contents, weighs more than 20 kilograms (44 pounds);
 - (e) No Plastic Bag set out for Recyclables collection exceeds 31 inches x 42 inches;

Acceptable Materials

2. Every Waste Generator or Property Owner shall ensure that Recyclables set out for collection are consistent with the following:
 - aluminum: foil, plate, tray, pop can, and the like;
 - boxboard: a tissue or cereal box, paper towel roll, frozen juice container, and the like;
 - cardboard: a flattened box (less than 4 feet in any dimension), pizza box, brown Kraft paper bag, and the like;
 - glass: a container, bottle or jar (any colour), and the like;
 - newsprint: a newspaper including a flyer or insert, an egg carton or flat, a magazine or catalogue, a telephone book, and the like;
 - paper: writing paper, an envelope (includes windowed), calendar (spiral binding removed), book (covers removed), and the like, shredded paper is not permitted;
 - gable top: a milk or juice carton, and the like;
 - aseptic container: a juice or other drink box (tetra pack), and the like;
 - empty plastic bottles and jars (soft drink, detergent, juice, water, bleach), and the like;
 - PET plastic container: any plastic container, such as a bottle or jar, food or beverage container, and the like;
 - HDPE bottles and jugs;

- Plastic bags, plastic grocery sacks;
- Polystyrene and Styrofoam packaging, food and beverage containers (clean)
- Plastic tubs and lids (margarine, yogurt, ice cream, etc.), and the like;
- other small plastic containers (#1-7) which are less than 1 liter;
- steel: food or beverage can or tin (soup, juice, etc.) with lids;
- aerosol can (empty);
- empty, dry paint can (lid removed); and
- any other item designated as a Recyclable by the Director of Public Works.

Unacceptable Material

3. Every Waste Generator or Property Owner shall ensure that Recyclables set out for collection does not contain Garbage, Organics, Special Collection Waste, or any other item per the provisions of this By-law.

THE CORPORATION OF THE COUNTY OF DUFFERIN



REPORT CDC-2012-08-23 Landfill Services TO COMMUNITY DEVELOPMENT COMMITTEE



To: Chair Taylor and Members of Community Development Committee
From: Trevor Lewis, Director of Public Works
Date: August 23, 2012
Subject: Landfill Services Transferred Due to Closures

PURPOSE

The purpose of this report is to inform Committee and Council of the situation with services that are currently being provided at the local landfill sites that will need to be transferred due to the closure of the landfill sites.

BACKGROUND and DISCUSSION

With the upcoming transfer of the responsibility of waste services, three municipalities have decided to close their landfill sites at the beginning of 2013 to coincide with the County taking over the waste services. A question was asked at a recent Committee meeting regarding what will happen to those services provided at the landfill sites with the closures.

Staff have received a list of those services from Amaranth, Mono and Mulmur and provided a possible option for alternative provision of those services in the tables below:

Amaranth

Material	New location
Yard waste, brush and Christmas trees	Dufferin Transfer
Kitty litter	With garbage
Ashes	In garbage after a week of cooling.
Metal	Any metal recycler or Dufferin Transfer
Propane tanks	HHW Days (Dufferin Transfer is being investigated as a location.)
Tires	Most tire dealers or Dufferin Transfer
Bale wrap	Dufferin Transfer
Construction Waste	Dufferin Transfer

Mono

White Goods - Not currently accepted	
Yard Waste – for a price	Dufferin Transfer

Mulmur

White Goods	Any metal recycler or Dufferin Transfer
Yard Waste – Brush	Dufferin Transfer

The situation with the Melancthon landfill site is different in that the site will not be closing until later in the year when the County starts the County-wide collection, including Melancthon. Similar materials from Melancthon can be dealt with in the same manner.

LOCAL MUNICIPAL IMPACT

Residents in those municipalities that currently do not have a landfill site have been dealing with materials in the same way that we are proposing. The Dufferin Transfer site can be used by anyone with these materials to dispose.

FINANCIAL IMPACT

There will be some minor costs associated with using the Dufferin Transfer Station. For example there will be a cost for yard waste to be shipped to All Treat in Arthur.

Recommendation

THAT Report CDC-2012-08-23, Landfill Services, from the Director of Public Works dated August 23, 2012 be received;

AND THAT the Townships of Amaranth and Mulmur and Town of Mono be notified where the following services will be provided:

Material	Location
Yard waste, brush and Christmas trees	Dufferin Transfer
Kitty litter	With garbage
Ashes	In garbage after a week of cooling.
Metal	Any metal recycler or Dufferin Transfer
Propane tanks	HHW Days (Dufferin Transfer is being investigated as a location.)
Tires	Most tire dealers or Dufferin Transfer
Bale wrap	Dufferin Transfer

Construction Waste	Dufferin Transfer
White Goods	Any metal recycler or Dufferin Transfer

Respectfully submitted by:

Original signed by,

Trevor Lewis, P.Eng
Director of Public Works
and County Engineer

THE CORPORATION OF THE COUNTY OF DUFFERIN



REPORT CDC-2012-08-23 Waste Audit Findings TO COMMUNITY DEVELOPMENT COMMITTEE



To: Chair Taylor and Members of Community Development Committee

From: Trevor Lewis, Director of Public Works

Date: August 23, 2012

Subject: **Preliminary Waste Audit Findings**

Purpose:

The purpose of this report is to summarize the findings from the waste audit conducted by staff in the months of May and June 2012.

Background and Discussion:

The County of Dufferin Waste Management staff conducted the first round of the waste audits in Dufferin County during the months of May and June 2012. The waste audit planning process began by selecting one, two or three roads within each municipality, based on the number of households per street and on selecting a representative sample of single family homes.

In conducting the audit, staff collected the garbage and recycling from, on average, ten houses from the pre-determined roads, and weighing green bins, if present, at the roadside. The number and weight of garbage, recycling, and green bins was recorded for each dwelling. Data was collected for two consecutive weeks from the same houses on each road. The Primrose Operations Centre was used as the waste audit work site. The garbage and recycling was sorted into 64 applicable categories, and each category was weighed to determine the composition of the material.

The second round of the waste audits is currently being conducted, for the months of July and August 2012, from the same houses as per the first round. The results from both will be compared and combined, where necessary.

Average Number of Garbage Bags Per Week, Per Municipality

As the number of garbage bags set out at each residential address was documented, staff estimated the average number of garbage bags set out per week, per household, per collection area. These are as follows:

Location	Dufferin County	Grand Valley	East Garafraxa	East Luther	Mono	Shelburne	Mulmur	Orangeville	Amaranth
Average Number of Bags	1.6	0.95	1.4	0.95	1.3	1.9	1.2	1.1	0.9

Dufferin Composts! Program

Based on the data collected during the first round of the waste audit, it was determined that 36% of Dufferin County residents participate in the Dufferin Composts! program.

Contamination Rates:

The materials found in the garbage and recycling at each household were sorted and weighed into their respective categories. These categories made it possible to determine a contamination rate, by weight, for the blue box program and the garbage. The chart below illustrates the approximate contamination rate for the blue box program, per collection area, which represents the percentage (by weight) of contaminants (garbage and organics) in the blue box.

Blue Box Contamination Rate	Dufferin County	Grand Valley	East Garafraxa	East Luther	Mono	Shelburne	Mulmur	Orangeville	Amaranth
	9.6%	8.4%	8.9%	5.4%	16.8%	17.4%	9.7%	12.4%	8.0%

The chart below illustrates the percentage, by weight, of Recyclables and Organics, respectively, that were misdirected into the garbage. The chart also summarizes the additional Potential Diversion, by weight, that could be realized, should all Recyclables and Organics be captured.

	Dufferin County	Grand Valley	East Garafraxa	East Luther	Mono	Shelburne	Mulmur	Orangeville	Amaranth
% Of Garbage that was Recyclables	14%	13%	20%	14%	10%	13%	15%	15%	11%
% Of Garbage that was Organics	33%	26%	36%	24%	27%	30%	42%	43%	36%
Potential Diversion	47%	39%	56%	38%	37%	43%	57%	58%	47%

Capture Rate

The total weight of Recyclables disposed of through the blue box program, during the waste audit period, was approximately 2,682.35 Kg. The total weight of Recyclables found in the garbage was

approximately 194.48 Kg. This illustrates a 93% capture rate of recyclables through the blue box program.

The capture rate of Organics was determined by weighing the green bins from the designated streets in each collection area, and by determining the weight of Organics disposed of in the garbage. The amount of Organics disposed of through the Dufferin Composts! Program, during the waste audit period, was approximately 796.2 Kg. The amount of Organics disposed of in the garbage was 522 Kg. This illustrates a 60% capture rate of Organics through the Dufferin Composts! program.

Conclusion:

The first round of the waste audit was very informative to staff, as it highlighted a number of successes and areas of opportunity throughout the County. The firsthand look into the composition of garbage and recyclables will assist with the development of the Waste Management Communications Plan, as we transition towards taking over waste collection in the County. These, and the subsequent waste audit results, will also assist staff in establishing a series of benchmark performance indicators for each program, and will allow for comparisons between the current local municipal programs and the amalgamated County-wide program commencing on June 1, 2013.

Recommendation:

THAT the report of the Director of Public Works dated August 23, 2012 with respect to the findings of the Waste Audit, be received for information.

Respectfully submitted by:

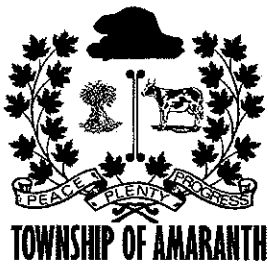
Prepared by:

Original signed by,

Original signed by,

Trevor Lewis, P.Eng.
Director of Public Works
and County Engineer

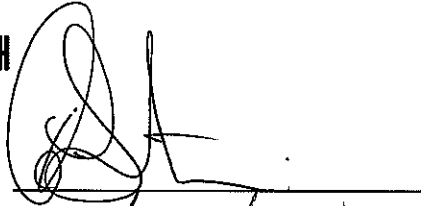
Chris Fast
Waste Management Collections
Coordinator



THE CORPORATION OF THE TOWNSHIP OF AMARANTH

NUMBER _____

MOVED BY:



DATE: AUGUST 15, 2012

SECONDED BY:



BE IT RESOLVED THAT:

THE COUNCIL OF THE TOWNSHIP OF AMARANTH REQUESTS THE COUNTY OF DUFFERIN MAKE APPROPRIATE ARRANGEMENTS FOR A RE-USE CENTRE TO BE IN PLACE ONCE THE COUNTY ASSUMES WASTE MANAGEMENT RESPONSIBILITY.

Defeated

Carried

Head of Council



Recorded Vote

Yea

Nay

Abstain

Deputy-Mayor Walter Kolodziechuk

Councillor Jane Aultman

Councillor Brian Besley

Councillor Heather Foster

Mayor Don MacIver

World's largest energy-from-waste plant to be built in England

August 9, 2012

By Hamish Champ | Plastics & Rubber Weekly

A U.S.-based gas and chemical group is to create what it calls the world's largest energy-from-waste facility on Teesside, England.

[Air Products](#), which has its headquarters in Allentown, Pa., is to commence work on building the plant in the next few weeks, with the intention of converting the first of 350,000 tonnes of residual waste a year – capable of powering 50,000 homes – by 2014.

The plant, a U.K. first, will use **AlterNRG** advanced gasification technology to create up to 50 megawatts annually. Air Products hopes it will also have the potential to generate renewable hydrogen, with fuelling public transport a possible end-use.

Matthew Aylott of the National Non-Food Crops Centre (NNFCC), which advised the government on the energy-from-waste market, said he expected a "high proportion of plastics" to be included in the 350,000 tonne figure.

"This is hopefully the first of a number of such plants," Aylott told PRW. INEOS and British Airways are looking at similar operations to convert municipal solid waste into road and jet fuel respectively.

While the scale of investment in the plant is not known it is nevertheless expected to lead to the creation of 50 permanent jobs, as well as up to 700 construction jobs while it is being built.

Deputy prime minister Nick Clegg welcomed the development: "Advanced gasification has a key role to play in delivering renewable energy and I warmly welcome the decision by Air Products to proceed with its Tees Valley Renewable Energy Facility."

Clegg said Air Products' announcement "reflects the U.K.'s commitment and support for clean energy, combined with our stable and transparent environment for investors.

"With the world's spotlight on the UK this summer, we are working hard through the British Business Embassy programme to help U.K. and international companies to capitalise on new trade and investment opportunities to deliver safe, secure, sustainable and smarter energy 'ecosystems', from extraction through to the end user."

Changes to subsidies for renewable electricity following a recent banding review announced last month could incentivize between about \$31.2 billion and about \$39 billion of new investment in the economy between 2013 and 2017, said the Department of Energy & Climate Change.

Geraint Evans, head of biofuels and bioenergy at NNFCC, said waste was an underutilized resource for energy generation and gasification "could hold the key to unlocking its vast potential.

"We will now apply our engineering and policy expertise to ensure this is just the first of many advanced gasification plants built here in the U.K."

The British Plastics Federation welcomed the development, with its public and corporate affairs director Philip Law commenting: "Used plastics are too valuable a resource to consign to landfill. For fractions unfeasible to recycle this is a great initiative."

Hamish Champ is a reporter for Plastics & Rubber Weekly, a sister publication of Waste & Recycling News.