



# Waste Management Newsletter



The United Townships of Head, Clara & Maria **April 2012**

## COUNTDOWN TO CHANGE! FOCUS ON DIVERSION!

On December 2nd, 2011, after months of public consultation and research, the Council of the United Townships of Head, Clara & Maria passed a comprehensive Waste Management By-Law. The intent of the by-law is to provide structure for the various waste



management policies within the municipality. The main

goal and focus of these policies is on **diversion—diverting waste from landfill to our recycling program, composting and especially the Municipal Hazardous and Special Waste Collection.**

Beginning May 1, 2012 a user pay or “pay as you throw” system will be implemented. The general components of this system include:

- ◆ Tipping fees for all users for all garbage;

- ◆ **FREE** recycling—for all users, all recyclables and any volume;
- ◆ One **FREE** bag of garbage per **residence** per week;
- ◆ For introduction—5 extra **FREE** bags of waste;
- ◆ Compensation of up to 75% of the cost of a composter to a maximum to be set by Council. Bring in your receipt to receive a refund.
- ◆ Only tagged bags of garbage will be collected road side. Any further waste will have to be self hauled to the disposal sites.
- ◆ Any number of recyclable materials will be collected road side for **FREE** or recyclables may be dropped off at the disposal sites.

### Why Pay as You Throw?

This program has been implemented to enforce the principle of “generator pays”.

Inside this issue:

|                                       |     |
|---------------------------------------|-----|
| Recycling Facts                       | 2   |
| Benefits of Composting                | 3   |
| Tipping Fees                          | 4   |
| Specifics of Our Program              | 4–6 |
| Enforcement and Fines                 | 7   |
| Disposal Site Etiquette               | 10  |
| Municipal Hazardous and Special Waste | 10  |
| Recyclables                           | 11  |

The less waste you produce, the less you pay. The ultimate goal is to extend the life of our landfill sites by encouraging waste diversion through the use of various **FREE** municipal programs.

# RECYCLING FACTS

An estimated **80,000,000 Hershey's Kisses** are wrapped each day, using enough aluminum foil to cover over 50 acres of space -- that's almost 40 football fields. All that foil is recyclable, but not many people realize it.

About **one-third of an average dump** is made up of packaging material!

A **single quart of motor oil**, if disposed of improperly, can contaminate up to 2,000,000 gallons of fresh water.

**Motor oil never wears out**, it just gets dirty. Oil can be recycled, re-refined and used again, reducing our reliance on imported oil.

Recycling **creates four jobs** for every one job created in the waste management and disposal industries.

Recycling helps **families save money**, especially in communities with pay-as-you-throw programs.

It takes 95% less energy to **recycle aluminum** than it does to make it from raw materials. Making **recycled steel** saves 60%, **recycled newspaper** 40%, **recycled plastics** 70%, and **recycled glass** 40%. These savings far outweigh the energy created as by-products of incineration and landfilling.

Every **ton of paper** that is recycled **saves 17 trees**.

The energy we save when we recycle **one glass bottle** is enough to **light a light bulb for four hours**.

**Recycled paper** supplies more than 37% of the raw materials used to make new paper products in the U.S. Without recycling, this material would come from trees. Every ton of **newsprint** or mixed paper recycled is the equivalent of **12 trees**. Every ton of **office paper** recycled is the equivalent of 24 trees.

A used **aluminum can** is recycled and back on the grocery shelf as a new can, in as little as 60 days. That's closed loop recycling at its finest!

Recycling one aluminum can saves enough energy

to **run a TV for three hours** -- or the equivalent of a **half a gallon of gasoline**.

An aluminum can that is thrown away will still be a can **500 years** from now!

To produce each week's Sunday newspapers, **500,000 trees must be cut down**.

The average household throws away **13,000 separate pieces of paper** each year. Most is packaging and junk mail.

Each ton (2000 pounds) of **recycled paper** can save **17 trees**, **380 gallons of oil**, **three cubic yards of landfill space**, **4000 kilowatts of energy**, and **7000 gallons of water**. This represents a 64% energy savings, a 58% water savings, and 60 pounds less of air pollution!



The 17 trees saved (above) can absorb a total of **250 pounds of carbon dioxide** from the air each year. Burning that same ton of paper would **create 1500 pounds of carbon dioxide**.

**Recycling plastic** saves twice as much energy as burning it in an incinerator.

Every month, we throw out enough glass bottles and jars to fill up a **giant skyscraper**. All of these jars are recyclable!

A modern glass bottle would take **4000 years or more to decompose** -- and even longer if it's in the landfill.

From <http://www.recycling-revolution.com/recycling>

# BENEFITS OF COMPOSTING

Over 30% of the waste in North America is made up of household waste. Most landfills are becoming saturated, causing North Americans to look for alternatives.

By composting, we can slow down this excess. Even better... If we take the time to recycle cans, plastic and newspaper **WHILE** composting, we can take out over 50% of the waste otherwise headed to landfill.

On top of conserving landfill space, diverting organic matter helps reduce the production of leachate and methane gasses (the management of each which adds to the cost of operating a landfill).

It is believed that these gas emissions can have adverse reproductive and carcinogenic effects on humans and animals alike.

Intense fires are also a threat due to the volatile nature of the gases.

The bottom of a landfill is not sealed tight. Toxins are therefore leaked into the surrounding groundwater and may contaminate drinking water.



The benefits of composting mentioned above are all benefits that won't be felt immediately. When something is not tangible and immediately recognizable, or where there is still debate surrounding the issue, it is easy to just sit back and do nothing. We need to be pro-active.

There are benefits of composting that can actually help us out individually and much more immediately:

- ◆ Composting is **FREE!!!**

You take your organic waste (things you would usually just throw away) and turn it into natural fertilizers and top soil (saving \$\$\$\$) that can be used in your yard, lawn and gardens.

- ◆ Composting is **RENEWABLE!!!**

Chemical fertilizers, which are made from petroleum and have additives included are not renewable. You have to keep buying them every year (saving \$\$\$\$).

- ◆ Composting **IMPROVES THE SOIL** without any Chemicals!

- ◆ Composting **PROTECTS YOUR PLANTS!!**

## Composting Materials

**Foods to Use** - Apples and peels, Artichoke leaves, Asparagus bottoms, Berries, Bananas and peels, Beans, Beet tops, Broccoli stalks, Brussel sprouts, Buckwheat hulls, Cabbage stalks and outer leaves, Carrot tops, Carrot scrapings, Celery tops, Citrus rinds, Coffee grounds, Corn cobs (chopped), Cucumber, Egg shells (crushed), Grapes, Grapefruit, Lettuce, Lemon, Melon, Oats, Onions, Pears, Pineapple, Potato, Pumpkin, Squash, Tea, Tomatoes, Turnip, Zucchini

**Other Materials to Compost**- Algae, Apple pomace (cider press waste), Bird cage cleaning, Blood meal, Bone meal, Corn stalks, Cotton rags, Feathers, Felt waste, Flowers, Garden wastes, Grape plant waste, Granite dust, Grass, Hair, Hay, Hops, Leather waste & dust, Leaf mold, Leaves, Manure, Muck, Peanut hulls, Peat Moss, Pine needles, Rope, Sawdust, Seaweed, Soil, Straw, String, Weeds, Wood, Ash, Wool, Rags

## NOT Recommended for Composting

**Meat, bones, fish scraps** - attracts dogs, cats, insects & rodents - takes a long time to break down

**Oil, fatty material, dairy products** - oils and greases take a long time to break down - affect the breakdown of other materials - attracts insects

**Pet litter** - may contain disease organisms harmful to humans

**Diseased Plants** - the heat of a home compost pile may not kill the diseased organisms or any insects or eggs infecting a plant.

**Dishwater** - most dishwashing soaps contain perfumes and greases

**Barbecue Ashes/coins** - highly resistant to decomposition - contains excessive amounts of sulphur.

**Materials should be broken into small pieces and well mixed to evenly distribute the organic materials and create air voids. If materials are left too large, they will take an extremely long time to decompose. Content adapted from...**

<http://www.greencalgary.org/resources/composting/principles-of-backyard-composting/> and <http://www.rribitt-why-is-recycling-so-important.com/benefits-of-composting.html>

# SPECIFICS OF

Beginning May 1, 2012, the new Waste Management By-Law will come into force. Users of the landfill sites within the Municipality will be required to pay for any materials deposited to the site over and above those limits as set out in the by-law.

Any resident disposing of more than an average of one (1) standard bag of household waste per week (tagged bags) will be required to self-haul the material to the landfill during approved hours and pay tipping fees at the rates set out in the by-law.

All material shall require the payment of a tipping fee as per schedule "F" below.

## FREE MATERIALS

### No Charge

Shall be Collected For

- ◆ Residential Recyclable Containers and Fibres. **FREE**
- ◆ Residential brush and leaves. **FREE**
- ◆ Residential Household Hazardous Waste at designated sites and times only. **FREE**
- ◆ Metal (all metal that can be recycled excluding large appliances). **FREE**
- ◆ Passenger car or truck tires not exceeding 20 inches and limited to four per household per year. **FREE**



## SCHEDULE "F" TIPPING FEES

- ◆ Bags - standard size -\$1/bag for 2012 and \$2/bag for 2013; Oversized = 2;
- ◆ Upholstered Furniture or Mattresses-\$5 each chair or small sofa; - \$10 each large sofa or sofa bed or mattress;
- ◆ Large Appliances - fridge, stove, freezer etc.-\$10 each; (call Andre he may collect for free-613-586-2215) (Hydro One has a program where they will pick up your fridge or freezer for FREE)
- ◆ Boats -any material-\$3 per linear foot;

## CONTAINERS PER CUBIC YARD

- ◆ Loose Waste-\$10/cubic yard;
- ◆ Demolition/construction Waste - wood products, drywall and insulation products-\$20 per cubic yard;
- ◆ Asphalt Shingles-\$30 per cubic yard;
- ◆ Compacted material-\$30 per cubic yard;
- ◆ Railway Ties-\$5/tie;
- ◆ All Other Material-\$40 per cubic yard;
- ◆ Contaminated Fill - Suitable for Daily Cover-\$40.00/tonne or \$20/cubic yard;
- ◆ Contaminated Fill-Not Suitable for Daily Cover-\$85.00/tonne or \$40/cubic yard;
- ◆ Highway Accident Refuse - non-hazardous-\$100/cubic yard;
- ◆ Highway Accident Refuse - hazardous material-Not accepted, will need to locate an authorized venue for disposal;

# OUR PROGRAM

- ◆ Building Fire/Building demolition—\$300 per load (standard dump truck);

In order to facilitate the payment of tipping fees, the user shall purchase a tipping slip or bag tags at the municipal office for each bag of garbage to be disposed of over the one **FREE** bag per week.

All other loads and materials (aside from recyclables) will require an estimate of the volume of material and a **pre-purchased tipping slip** acquired from the municipal office and presented to the Landfill Attendant prior to tipping.



Without this pre-paid tipping slip or bag tags, materials (including extra bags of garbage) will not be accepted by the Landfill Attendant.

**For trips to be made to the sites on Saturday**, please make sure that you obtain your tipping slip from the Municipal office prior to 4:00 p.m. Friday afternoon. If work hours preclude you from coming to the office, please **CALL OR EMAIL** us and we will arrange a solution for you.

Beginning May 1, 2012, Municipal staff will only collect one **TAGGED** bag of gar-

bage from each residence. Any other garbage will be left roadside and will be the responsibility of the resident to transfer to the disposal site.

Also, **bags containing an obvious quantity of recyclable or hazardous materials will not be collected.** As per provincial legislation, spot audits will be performed to determine bag content.

If a bag is not compliant with the new regulations, a notice will be left explaining why your garbage was not collected. Reasons could include:

- ◆ More than one bag
- ◆ Material not bagged/packaged properly
- ◆ Material too heavy
- ◆ Material not acceptable for regular collection (hazardous/recyclable content)
- ◆ Material or item too large
- ◆ Material was scattered.

Materials will not be received at the disposal site or collected by our attendant if they are **contaminated with recyclable materials OR HAZARDOUS WASTE.** All **TRUCK/TRAILER** loads are required to be source separated—meaning that the resident is required to ensure that recyclable materials are separated from garbage.

Any mixed loads will require a pre-paid tipping fee. Separated loads of recyclable materials, metal, clean wood or brush etc. may be brought to the site for **FREE.**



Any amount of **recyclable materials** will be received at the disposal site or road site **FREE** of charge for residential customers.

The normal rules for recyclables need to be complied with—papers and fibres separated from other materials which may be wet.

After **June 1, 2012**—all loads and all bags of garbage will require a bag tag or payment of a tipping fee prior to collection and/or receipt of materials at the site.

The following is a “short” version of the by-law and lists the **Collection Requirements**.

The following guidelines must be observed in order for waste and recycling collection services to be guaranteed:

- ◆ Waste and recyclables shall be set out no later than 8:00 am on the morning of collection to provide for emergencies or modifications to routine of operator;
- ◆ Waste and recyclables shall be the responsibility of the homeowner until collected by the Municipality. **If animals tear into and strew waste about the roadside, it is the homeowner’s responsibility to clean it up;**
- ◆ “one bag” shall mean one standard size garbage bag of dimensions of approx-



imately 24 inches X 36 inches or container of approximately 15 gallons.

- ◆ **One (1) bag shall be collected from each residence with four (4) being collected from each trailer park or other commercial operation;** Tags will be provided.
- ◆ over-sized bags shall count as two bags of garbage;
- ◆ bags or containers shall not weigh more than 40 pounds when filled;
- ◆ waste, recyclables and bulky items shall be visible to the collection staff from the road;
- ◆ waste, recyclables and bulky items shall not be placed more than seven feet from the property owner’s side of the edge of the road or seven feet from the edge of the driveway or property access.
- ◆ waste, recyclables, leaf and yard materials and bulky items shall not be placed atop or behind a snow bank;
- ◆ waste, recyclables and bulky items shall be out of the path of the snow plow;
- ◆ waste shall not contain household hazardous waste;
- ◆ **household hazardous waste** shall not be collected but instead self-hauled to the Kenny Road landfill site for short term storage as per the amended Municipal Certificate of Approval or held on the owner’s property until the next Municipal Hazardous and Special Waste (MHSW) collection event;
- ◆ **June 2 at Kenny Road site for 2012.**

- ◆ Beginning immediately, containers will be available at each site to **collect small volumes of hazardous materials** such as batteries, fluorescents etc.
- ◆ construction and demolition waste, including wood, drywall, carpet, tiles etc., shall not be collected roadside; construction and demolition waste must be **self-hauled** to landfill.

## ENFORCEMENT

The new by-law allows for enforcement and penalties for non-compliance. The specifics of enforcement and infractions may be located in By-Law # 2011-21 at <http://www.townshipofheadclaramaria.ca/By-Laws%202011/By-Law%202011-21%20waste%20management%20Sept-9-2011%283%29.pdf> or by requesting a copy at the municipal office. **Unpaid fines or tipping fees can now be added to tax bills at year end.**

## FINES

| <u>ITEM</u> | <u>SHORT FORM WORDING</u>   | <u>BY-LAW PROVISION<br/>CREATING THE OF-<br/>FENCE</u> | <u>SET FINE<br/>(INCLUDES<br/>COSTS)</u> |
|-------------|---|--|--|
| 1           | Fail to pay proper tipping fee.   | Schedule F   | \$100                                    |
| 2           | Fail to provide name and address at site.   | 5.10   | \$100                                    |
| 3           | Fail to declare origin of waste at site or provide false evidence of origin.                | 5.10   | \$200                                    |
| 4           | Deposit waste at site outside hours of operation.   | 5.05   | \$200                                    |
| 5           | Fail to transport waste in a safe manner, to avoid littering.                               | 5.14   | \$200                                    |
| 6           | Fail to properly sort waste and dispose in designated area.                                 | 5.07   | \$100                                    |
| 7           | Improperly disposing of waste at the landfill site outside the gates                        | 5.09   | \$100                                    |
| 8           | Dispose of Hazardous or other Prohibited Materials  | 5.06 and Schedule D                                    | \$500                                    |
| 9           | Salvaging at site without municipal permission.   | 5.13   | \$200                                    |
| 10          | Scavenging, removing or scattering waste on site.   | 5.13   | \$100                                    |
| 11          | Disposing of waste on municipal or private property other than the landfill site.           | 5.04.2 and 5.20.2                                      | \$200                                    |
| 12.         | Depositing waste generated on private property into public waste receptacles.               | 5.04.4   | \$100                                    |
| 13.         | Deposit any burning material or set or cause to be set any fire at any waste disposal site. | 5.08   | \$200                                    |

## DISPOSAL SITE ETIQUETTE

An ongoing issue that requires some attention is procedure at the disposal sites. In order to ensure that we are compliant with Ministry of the Environment legislation staff and Council have to comply with the established rules and regulations contained in our site Operations Plan. A long existing regulation is the requirement to wait in line at the disposal site for the attendant to provide assistance. With the new by-laws it is even more important that you wait until our attendant can ensure that you are disposing of your materials in the proper location. **Please be considerate of others.** Ours is a small community, so the wait should never be too long however; it has been a challenge in the past through the summer months. Thank you for your patience and willingness to help Bill make sure rules are being followed.



### MUNICIPAL HAZARDOUS AND SPECIAL WASTE

Council and staff have some concern with the amount of hazardous waste that is being disposed of in our landfill. In 2011 the municipality did not hold a Municipal Hazardous or Special Waste (MHSW) event. In the past they have not been well attended.

We hope that this means that residents are holding these types of materials for the next Hazardous Waste collection day which is scheduled for Saturday, June 2, 2012 or are disposing hazardous waste at other licensed locations however; what we fear is that these materials are going into the landfill.

We ask you to do your part to separate hazardous materials from your regular garbage and take the extra steps to properly dispose of them.

We have recently learned that we are able to hold small quantities of these materials at our site on Kenny Road.

Bill has agreed to collect some of this material at Bissett and transport it to Stonecliffe. You will soon see containers labelled “batteries” and “fluorescents” etc.



Please separate these materials from your regular garbage and deposit them into these containers.

An email from MOE rep Lance Larkin dated December 30, 2011 further explains the processes that we will begin to implement to ensure compliance with MOE regulations and our by-laws. It reads... “Please be advised that the Township is responsible for inspecting loads and ensuring that no hazardous wastes are landfilled. A periodic waste audit (including opening up bags) should be conducted if it’s suspected that hazardous wastes are being put in the landfill. “

Please plan to attend our annual hazardous material event day to be held at the Stonecliffe Disposal Site on Saturday, June 2, 2012 to dispose of your hazardous waste. Do your part to divert these materials and keep the contaminants out of our landfill and make use of the new containers. Again, all of these products may be disposed of for **FREE**.



## HOUSEHOLD HAZARDOUS AND SPECIAL WASTES

Household hazardous waste includes any household product, material or item, other than empty containers, labeled as: **corrosive or toxic; reactive; explosive; oxidizing; poisonous; infectious; or flammable.**

### COMMON HOUSEHOLD HAZARDOUS MATERIALS WHICH SHOULD BE SEPARATED FROM NORMAL GARBAGE

- **antifreeze**
- **lighter fluid**
- **Lye**
- **batteries**
- **Brake fluid**
- **Mothballs**
- **Chemical strippers**
- **Nail polish remover**
- **Chlorine bleach**
- **Propane tanks**
- **Contact cement**
- **Paints**
- **Pesticides**
- **Drain cleaners**
- **Pool chemicals**
- **Fire extinguishers**
- **Prescription drugs**
- **Flea collars and sprays**
- **Solvents**
- **Herbicides**
- **Insect repellent**
- **Spot removers**
- **Insecticides**
- **Stains and finishes**
- **Kerosene**
- **Toilet cleaners**
- **Lawn chemicals**

- **Used motor oil**
- **Oven cleaners**

### RECYCLABLES

“recyclable materials” includes but is not limited to:

- ◆ recyclable containers;
- ◆ recyclable papers;
- ◆ recyclable cardboard;
- ◆ ink jet cartridges;
- ◆ cell phones;
- ◆ rechargeable batteries;
- ◆ food and beverage glass bottles and jars;
- ◆ metal food and beverage cans;
- ◆ aluminum foil and trays;
- ◆ #1 (PET) plastics, #2 (HDPE) plastics, #3 (PVC), #4 (LDPE) plastics, #5 (PP) plastics, #6 (PS) and #7 (OTHER PLASTIC) plastics and consisting of bottles, containers, trays, tubs, lids and film, but not including motor oil containers; bail wrap and twine, toys, and plant trays;
- ◆ polycoat milk and juice cartons;
- ◆ tetrapak drinking boxes;
- ◆ empty and dry paint, stain and coating cans with lid removed;
- ◆ empty aerosol cans; and

“recyclable paper” includes but is not limited to:

- ◆ newspaper and insert flyers
- ◆ magazines, catalogues and telephone books
- ◆ household paper, including junk mail, writing and computer paper and envelopes;
- ◆ paper bags;
- ◆ fibre egg cartons
- ◆ paper rolls such as the inserts for toilet paper and paper towels;
- ◆ boxboard and waxed boxboard;
- ◆ hard and soft cover books;
- ◆ paper cups;
- ◆ greeting cards and gift wrap;
- ◆ “recyclable cardboard” includes, clean, unwaxed corrugated cardboard

All recyclable waste whether set out for collection or deposited in the depot bins or brought to the landfill shall be separated from non-recyclable garbage and prepared for collection as follows:

- ◆ All wet materials shall be separated from dry papers and packaging.
- ◆ All material shall be placed in clear/

transparent bags for collection.

- ◆ Glass bottles and jars shall be rinsed with their tops removed.
- ◆ Metal cans shall be rinsed with the lids cut off.
- ◆ Plastic bottles and jars shall be rinsed with their tops removed.
- ◆ Aluminum trays and foil shall be clean, folded together and placed loose in the bag.
- ◆ Styrofoam shall be clean and placed loose in the bag.
- ◆ Corrugated cardboard shall be broken down, laid or folded flat, preferably bundled within another box.
- ◆ Boxboard and other household paper shall be cleaned of any food and/or plastic liners and shall be flattened.
- ◆ Clean plastic bags and packaging shall be placed in a sound transparent plastic bag and tied shut.
- ◆ No loose material will be collected unless the items are large and easily carried.

For the next months, municipal staff request your patience and assistance in working out the details of this transition and new process with us. Please remember that Council's goal is an extended life of municipal landfill through the diversion of recyclables, hazardous materials and compostable materials. Please do your part to assist us to ensure that your municipality is as GREEN as it can be.

### IMPLEMENTATION SCHEDULE

**Mid April—Newsletters will be sent out explaining changes to collection and dumping;**

**May 1, 2012—Bill will pick up one tagged bag of garbage road side, spot audits will begin, notices will be left for non-compliant loads;—tipping fees charged for all garbage—loads and bags aside from the “free” bags**

**June 1, 2012; commercial operators will be invoiced; every one will need to obtain pre-paid tipping slips to take garbage to the dump; fines may be levied.**

#### CONTACT Council or Staff

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Disposal Site Attendant

Bill Donnelly

Email: [twpshcm@xplornet.com](mailto:twpshcm@xplornet.com)

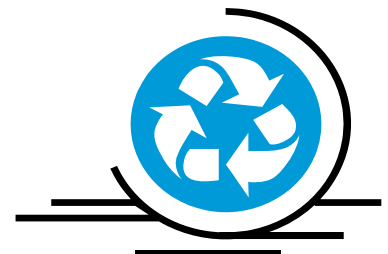
[www.townshipsofheadclaramaria.ca](http://www.townshipsofheadclaramaria.ca)



# Reduce

# Reuse

# Recycle



## FOCUS ON DIVERSION