




CHEMUNG COUNTY NEW YORK

**Update to the
Integrated Solid Waste Management Plan
for
Chemung County, New York
April 2009**



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Acronyms

C&D - Construction and Demolition

CCE - Cornell University Cooperative Extension

CCSWMD - Chemung County Solid Waste Management District

EPA - Environmental Protection Agency

HHW - Household Hazardous Waste

LFGTE - Landfill Gas-to-Energy

MRF - Materials Recovery Facility

MSW - Municipal Solid Waste

NEWSNY - New England Waste Services of New York, Inc.

NYSDEC - New York State Dept of Environmental Conservation

NYSEG - New York State Electric & Gas

OML - Operation & Management Lease

SEIS - Supplemental Environmental Impact Statement

SEQR - State Environmental Quality Review

SWMP - Solid Waste Management Plan

TS - Transfer Station

1.0 Overview

Chemung County is located in the south central portion of New York State. It is one of the Southern Tier counties that adjoin the New York – Pennsylvania border. It is bounded by Tioga County to the east, Tompkins and Schuyler Counties to the north, and Steuben County to the west. The total area of Chemung County is 412 square miles, or 263,680 acres.

Chemung County consists of eleven towns (Ashland, Baldwin, Big Flats, Catlin, Chemung, Elmira, Erin, Horseheads, Southport, Van Etten, Veteran), the City of Elmira, and five villages (Elmira Heights, Horseheads, Millport, Van Etten and Wellsburg).

The population of Chemung County was estimated to be 88,105 in 2007 with an estimated 38,000 housing units. The population in Chemung County experienced a downward trend of approximately 2.0 percent between the years 2000 and 2006.

Chemung County completed its original Integrated Solid Waste Management Plan (SWMP) in 1991 with an update in August 2006. The plan expires in 2010. An update on the progress of the implementation of this plan was provided in a compliance report completed in February 2007. In general, the original SWMP called for the continued operation of the Chemung County Solid Waste Management District (CCSWMD) through the regional Municipal Solid Waste (MSW) and Construction & Demolition (C&D) landfills, waste milling station, and waste and recyclables transfer stations. See Appendix A for the list of transfer stations with locations and rules and regulations.

In September 2005, Chemung County entered into an Operation, Management & Lease Agreement (OML) with New England Waste Services of N.Y., Inc. (NEWSNY). Through this agreement, NEWSNY is responsible for the operations and management of all County-owned solid waste and recyclables management facilities through the year 2030. NEWSNY is also responsible for obtaining all financing that may be required to implement improvements, modifications, and/or additions to the County's solid waste management facilities. The majority of NEWSNY's revenues are generated through tipping fees and sales of recyclable materials. The OML was established in an effort to continue managing the solid waste generated within Chemung County in an environmentally and economically sound manner.

The facilities listed in the OML include the MSW and C&D landfills, the former milling station, the Lake Street facility, and drop off stations in Big Flats, Erin, Lowman and Southport. The Lake Street facility, previously a materials recovery facility, has been upgraded to a MSW and recyclables transfer station. See Appendix A for information on what can be put in curb side waste pick ups.

Chemung County has contracted with the Cornell University Cooperative Extension (CCE) to create programs to better educate the community in Chemung County about waste reduction, recycling and material recovery. The CCE assists in holding two events each year to collect household hazardous waste generated within the County. The CCE is also exploring the idea of composting yard waste generated within Chemung County rather than landfilling. See Appendix A for backyard and community composting information.

This current update to the original SWMP and the August 2006 update was completed to further update the State and County on progress, changes and future goals of the SWMP.

2.0 Plan Update

2.1 Introduction

The CCSWMD was established for the purpose of managing the solid waste generated within Chemung County in an environmentally and economically sound manner. In an effort to maintain these services while remaining economically stable, the County chose to enter into the OML and to dissolve the CCSWMD. This change of management did not alter the County's objectives to provide waste management for its residential, commercial, and industrial users.

2.2 Cell IV Construction Schedule

The waste acceptance rate at the MSW Landfill has increased since the implementation of the OML. This is due to the fact that the landfill was not accepting the full yearly tonnage allowed by its Part 360 operating permit and that NEWSNY maintains solid waste collection divisions in Horseheads, for example, where material from this division is now being disposed of at the Chemung County Landfill. Due to this increase in acceptance rate, it was determined that Cell IV would need to be constructed earlier than had previously been anticipated. Cell IV was divided into two separately constructed sub cells, Cell IV-A and Cell IV-B. Construction of Cell IV-A commenced in the spring of 2006 with placement of waste occurring in late 2006. Cell IV-B will be constructed by NEWSNY in 2009.

2.3 Cessation of the Lake Street Waste Milling Process

Chemung County elected to terminate the operation of the Lake Street waste milling and shredding system prior to execution of the OML with NEWSNY, following the County's assessment that the milling operation was no longer an economically beneficial practice.

2.4 Future Projects

NEWSNY and the County have begun the State Environmental Quality Review (SEQR) process, including the preparation of a supplemental environmental impact statement (SEIS) for several projects proposed for the solid waste management system, as defined in the OML. These projects include, among other things, tonnage increases, landfill expansions, a landfill gas to energy project and an environmental education center.

As part of the OML, NEWSNY is required to provide solid waste management and disposal services to the County for the duration of the agreement (25 years). In order to accomplish this, NEWSNY will pursue a landfill development permit to provide additional disposal capacity at the existing landfill site. In furtherance of this goal, a draft public scoping document for the SEIS was made available for public review and comment on June 12, 2006.

NYSDEC permit modifications to increase the annual tonnage limit at the landfill are also being reviewed. The increases will occur at various increments up to a maximum limit of 417,000 tons per year. The current Part 360 operating permit for the MSW landfill allows for the

disposal of a maximum 120,000 tons of waste. This increase in the permitted tonnage limit should enable NEWSNY to operate the landfill in a more cost effective manner, making other improvements to the solid waste management system financially viable, including a landfill gas-to-energy project.

2.5 Landfill Financing

Consistent with the OML, NEWSNY is responsible for financing all proposed landfill developments and related capital projects for the term of the agreement. See Section 3.1 for a more detailed description of the planned development.

2.6 Waste Processing / Transfer

As mentioned previously, MSW is no longer processed through the Lake Street Milling Station. Both MSW and recyclables are now being processed within the old MRF, which is now a MSW and recyclables TS. The old MRF (now a TS) has been divided into two sections. In one area MSW is moved via a specially designed excavator from the floor to 100 cy transfer trailers. The MSW is then transferred to an appropriate disposal facility. The second area is used in the same manner for the transfer of recyclables. See Sections 2.9 and 3.0 below for additional recycling information.

2.7 Household Hazardous Waste

Chemung County has a special program to collect household hazardous wastes (HHW), which is a one-day event held annually since its implementation in the mid 1990s. On September 16, 2006 the Chemung County Household Hazardous Waste/Electronic Recycling Event was held at the Chemung County Fairgrounds. The event was sponsored by the CCE. This was the first time the event combined electronic recycling with the collection of household hazardous waste. A total of 40,764 pounds of electronics was collected at the event and 60 containers of household hazardous waste were collected.

There were 750 participants in the 2006 HHW event, an increase of 350 participants from 2005. To accommodate the growing number of participants in the HHW program, the CCE sponsored two events in 2007 and 2008, one event in the spring and one event in the fall.

NEWSNY and Chemung County provide continuing HHW educational outreach. Residents must pre-register for the semi-annual events. The events are funded by NEWSNY, and no costs are incurred by the participants. See Appendix A for an updated list of acceptable and non acceptable waste.

Although HHW events will no longer collect CRTs, a voucher system has been created and funded by NEWSNY to enable those who require disposal to take the item to a designated electronics recycler at no cost. Currently, a limited number of vouchers are available to enable NEWSNY and the County to evaluate the need and success of the program. See Appendix A for information on the electronics recycling program.

2.8 Yard Waste Composting Facility

Through CCE, the planning unit studied the possibility of composting yard waste. Surveys were sent to the county, municipalities, landscape contractors and disposal companies to gather data on the amount of yard waste material available to be composted and to determine how much interest there was in a composting program. The feedback from the surveys indicated there was some interest in a countywide program.

The County has a goal to build a yard waste composting facility. This facility will be available to residents and businesses for the processing of this waste. NEWSNY will support and work with the County to develop this facility.

2.9 Single Stream Recycling

Until December 2005 recyclable materials were source separated by the generator. The recyclables were historically collected and transported separately from other solid waste materials, although not necessarily in separate vehicles, to a solid waste transfer station or the Lake Street MRF, where they were further sorted and processed for marketing and resale of the recovered resources.


In January 2006, NEWSNY introduced a single stream recycling transfer program in combination with the opening of the 48,000 foot single stream materials recovery facility at the Ontario County Landfill in Seneca, N.Y. to make recycling easier for the consumer and to increase participation in the recycling program. The County and NEWSNY are committed to providing the most efficient and accommodating recycling services to County residents and businesses, and single stream recycling has several advantages for generators (residences, commercial enterprises and businesses) and haulers.

Single stream recycling provides generators with the convenience of not having to sort recyclables into groups or separate containers. Single stream recycling is more efficient for collection as well. Single stream recycling allows recyclables to be combined into a single container without having to be separated during pick ups or drop offs. The driver of the collection vehicle simply picks up the containers and deposits it directly into the collection vehicle without any additional sorting. Prior to single stream recycling, haulers would need to return to the TS more frequently because certain recyclable storage compartments would become full before others, creating unused space in the haul trucks. In turn, a driver moves the container to the single stream TS. All recyclables are then moved via 100 cy transfer trailers to a registered single stream materials recovery facility for processing, which includes separation for baling or containerizing of shipment to markets.

The only materials that are separated within the planning unit are corrugated cardboard material and minimal amounts of scrap metal. The cardboard material and scrap metal are separated at the Lake Street TS and then transported to market.

Items accepted for recycling are shown below:

- Paper
Magazines / Newspapers



Corrugated Cardboard

Mixed Paper


Office Paper

- Mixed Plastic (as markets allow)
- Metal
 - Ferrous and bi-metal food containers
 - Other ferrous
 - Aluminum Cans / Foil
 - Other Aluminum
 - Other non-ferrous
- Glass Bottles and Jars
- Small Tires (for a fee)
- CRT containing devices (for a fee)

Some items not accepted are described below:

- Part 360 Prohibited Items
 - Lead Acid Batteries
 - Materials or Devices Containing Refrigerant
 - Used Oil


2.10 Recycling Goals



Chemung County's original recycling program goal of 40% of the tonnage of landfilled material has yet to be achieved in Chemung County. Chemung County has been working toward this goal. One reason this recycling goal has not been achieved is that there are a number of recycling streams, mainly industrial, which do not pass through the Chemung County facilities and are not included in the totals contained in the recycling reports, such as the Central Recycling Co-Op, Inc. facility. The true recycling totals for Chemung County are higher than the reports show, but not all the information is available to calculate the total amount of material recycled. With the introduction of single stream recycling, the percentage of materials recycled or recovered has increased dramatically and will continue to increase.

Without making the public aware of recycling and recovery programs and educating the public on how they function, the amount of materials recycled or recovered cannot be maximized. Chemung County has actively pursued public awareness and education programs.

To create an efficient public education and awareness program, Chemung County has contracted with CCE. Chemung County received a grant from the NYSDEC to help create a program that will expand on "Reduce, Reuse and Recycle" education. The goal of the program is to raise public awareness of how much trash Chemung County generates and how much waste could be recycled. Both commercial and residential populations are targeted. There is also interaction with children through schools, environmental field days, and youth related events and festivals. The concept of composting is also promoted through the program. Composting is demonstrated at the Master Gardener Demonstration Garden and public classes are taught annually.



There are several different possibilities for program expansion to increase the amount of materials in the waste stream being recycled, recovered or reused. Some of these programs include:

- Recovery and reuse of building materials from the C&D Waste stream. This is currently being implemented in other regions of the country and is a major source of recycled building materials for re-use;
- Recovery and sale of usable pallets from the C&D waste stream. A third party builder could be considered for recovering and repairing slightly damaged pallets or they could be sent for energy extraction;
- Use of select clean C&D material as fill material for embankments or roadways; and
- Composting programs for yard waste.

Introducing new education and awareness programs is also very important to increasing recycling participation within Chemung County. One potential opportunity to increase public education and awareness and the importance of the waste reduction/reuse/recycle programs is to create a county wide campaign that would advertise through local TV stations. The planned Environmental Stewardship Education Center, as provided in the OML, will enhance current and future educational reach.

Chemung County and NEWSNY fully support the recycling goal.

2.11 Landfill Development

Consistent with the OML, and as a means to accommodate solid waste disposal for material generated within the County, further development of the MSW landfill will be proposed. The filling and closure of Cell IVA and IVB will likely take place by 2014. In due time, and consistent with NYSDEC requirements, NEWSNY proposes to further the development of the landfill in the following conceptual stages with corresponding capacities.

<u>Area</u>	<u>Air Space (cy)</u>
Cell V-A, V-B, VI-A & VIB	5,106,000
Cell VII-A, VII-B, & VIIC	4,520,000

This development will provide the needed capacity consistent with the operation and lease agreement through 2030. Please refer to Appendix B for the proposed Landfill Development Diagram.

2.12 Lake Street MRF Modification

The Lake Street MRF has been re-configured and modified to a transfer station for MSW and single stream recycling. A loading pad has been created to efficiently load 100 cy transfer trailers to transport the materials to appropriate processing or disposal facilities.

2.13 Milling Station Modification

The old equipment has been removed and salvaged. The building will be used for storage and vehicle staging.

2.14 Gas Collection and Landfill Gas to Energy (LFGTE) Facility

NEWSNY is committed to a low emission landfill model and, through its parent company, Casella Waste Systems, Inc., is a charter member of the EPA's Climate Leaders program, in which partners set voluntary goals for greenhouse gas emission reductions. NEWSNY is committed to reducing the carbon footprint of the Landfill through a number of methods. Through a combination of horizontal collectors, deep vertical wells and active collection, NEWSNY will minimize emissions and maximize collection of landfill gas generated at the Landfill. Collecting and destroying LFG minimizes fugitive emissions, including greenhouse gases, from the landfill.

Construction of an active landfill gas collection system began in the summer of 2006. The new system is currently in place and is now collecting landfill gas from the Area 3 landfill, the operational C&D landfill, the Area 5 landfill and the operational MSW landfill. The collected gas is currently being flared at the new flare station located to the east of the operational C&D landfill. The active landfill gas collection system was placed into operation in the spring of 2007. Effective gas management allows the efficient collection of methane that can be diverted, for example, to engines that generate electricity and/or heat power. To that end, NEWSNY plans on constructing a gas-to-energy plant at the landfill and has completed a preliminary feasibility study with NYSEG for interconnection of such a facility.

2.15 Environmental Stewardship Education Center

NEWSNY, in cooperation with the County and the CCE, will design, develop, and construct a "sustainable environmental economic center for environmental stewardship." NEWSNY will be responsible for the Environmental Stewardship Education Center until the expiration of the agreement. CCE will also take part in seeing this project come to fruition.

Appendices

Appendix A

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Appendix B

- **Landfill Development Diagram**

Introduction

In September 2005, an agreement between Chemung County and New England Waste Services of N.Y., Inc. (NEWSNY) was established in an effort to continue managing the county's solid waste resources in an environmentally sound manner. Under the subsidiary, Chemung Landfill, LLC, NEWSNY became responsible for the operations and maintenance of all the County-owned Solid Waste and Recyclable Management Facilities.

The Chemung Facilities maintain the following permits and plans in an effort to continue protecting our resources:

- New York State Department of Environmental Conservation Part 360 Operating Permit
- State Pollution Discharge Elimination System (SPDES) Permit
- Title V - Air Quality Permit
- Part 364 - Waste Transporter Permit
- Stormwater Pollution Prevention Plan
- Spill Prevention, Control, and Countermeasures Plan
- Operations & Maintenance Plans

Should you have any questions or comments regarding the County's Resource Management Facilities, please feel free to give us a call at 607-737-2820.

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recycling at Home



Paper

- ~ Newspapers
- ~ Magazines
- ~ Telephone books
- ~ Catalogues, index cards, stationery
- ~ All other white or colored paper
- ~ Junk mail
- ~ Soft covered books
- * Place loose in recycling bin
- * Don't wad up paper
- * Flatten newspaper

Metal

- ~ Metal cans
- ~ Aluminum ca
- ~ Aluminum tin
- * Rinse clean
- * Place lids inside cans
- * Remove all labels
- * Fold foil and trays

Glass

- ~ Green
- ~ Brown
- ~ Clear
- * Rinse clean
- * Throw away caps
- * Do NOT break
- * Can leave labels on

Plastics

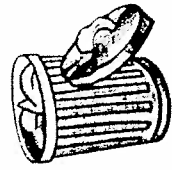
- ~ Shampoo Bottles
- ~ Detergent bottles
- ~ Milk jugs
- ~ Beverage containers
- * Throw away spray pumps
- * Can leave on labels
- * Place loosely in bin

Cardboard

- ~ ALL cardboard
- ~ Boxboard (Cereal, shoeboxes)
- * Clean and dry
- * Flatten



Garbage



Paper

- ~ Tissues or paper towels
- ~ Hard cover books
- ~ Rusted metal

Cardboard

- ~ Pizza boxes

Glass

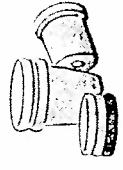
- ~ Broken glass
- ~ Light bulbs
- ~ Mirrors
- ~ Plates, mugs, ceramics
- ~ NO window glass

Metal

- ~ Metal hangers
- ~ Paint or aerosol cans
- ~ Rusted metal

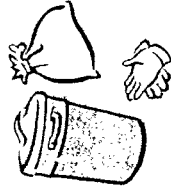
Plastics

- ~ Styrofoam
- ~ Flower pots, hangers, garbage can, drying racks or pails
- ~ Medicine bottles
- ~ Syringes (that come in detergent bottles)
- ~ Toys



What Can I Put In My Curbside Garbage Bag?

Examples of "BAGABLE" Items

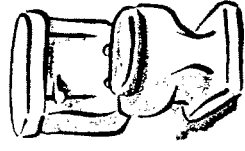


- ~ Soiled kitty litter
- ~ Empty aerosol cans
- ~ Used needles safely packaged in a sealed plastic container
- ~ Incandescent light bulbs
- ~ Ceramic items
- ~ Plate glass
- ~ Dishes & pottery
- ~ Spoiled food
- ~ Household trash
- ~ Small pieces of wood
- ~ Wood picture frames
- ~ Small pieces of sheetrock
- ~ Desk size fans (smaller than 10" across)
- ~ Small toys
- ~ Stuffed toys
- ~ Handheld camera
- ~ Alarm clock
- ~ Radio
- ~ Walkman type players
- ~ Blenders
- ~ Coffeemakers
- ~ Toasters
- ~ Small plastic or metal wastebaskets
- ~ Small plastic pails

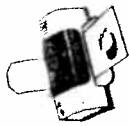
Generally, the district does NOT allow, LARGE, BULKY, HEAVY or DENSE items in the bags, because they can cause damage to the processing equipment, and they do NOT allow selected materials in the bags for various other reasons. The items listed are EXAMPLES only, and the exclusions are not limited to this list. Please contact the Chemung County Cornell Cooperative Extension at 734-4453 if you need to verify the correct method of disposal for specific items not listed. Trash bags SHOULD be CLEAR, not colored or tinted.

What NOT To Put In Curbside Garbage Bag!

Examples of "UNBAGABLE" Items



- ~ Asbestos
- ~ Flammables
- ~ Ammunition
- ~ Dehumidifiers
- ~ Improperly packaged medical needles
- ~ Dead animals
- ~ Fluorescent bulbs (no matter what kind or size)
- ~ Black lights
- ~ Ballasts from fluorescent light fixtures
- ~ Liquids (no matter what type or source)
- ~ Bowling balls
- ~ Bricks
- ~ Cinderblocks
- ~ Tires/Rims
- ~ Toilets/Sinks
- ~ Metal
- ~ Metal framed windows
- ~ Car/Engine parts
- ~ Computer components
- ~ Monitors
- ~ Televisions
- ~ Copy machines
- ~ Printers
- ~ Fax machines
- ~ Fans
- ~ Humidifiers
- ~ Over 1-gallon containers
- ~ Metal or plastic pails/buckets
- ~ Ceramic items
- ~ Bicycles
- ~ Toys
- ~ Car parts
- ~ Metal piping



Office Paper/Junk Mail

Loose or shredded, clean & dry
Remove fasteners (all metal)



- ~ White tablet paper
- ~ Typing paper
- ~ Computer paper
- ~ Glossy or colored paper
- ~ Fax paper
- ~ NCR paper
- ~ White letterhead
- ~ Copy paper
- ~ Envelopes (plain or window)
- ~ Manila folders, post-it notes
- ~ Tabulating cards
- ~ Index cards
- ~ Catalogues
- ~ Adding machine tapes
- ~ Junk mail
- ~ Newspapers
- ~ Magazines
- ~ Telephone directory
- ~ Brown paper bags
- ~ Trade journals

Glass, Plastic, Metal

- ~ Clear, green or brown glass jugs/jars
- ~ Plastic bottles, jugs, containers
- ~ Metal cans
- ~ Aluminum cans



Cardboard

Dry & Flattened



- ~ ALL cardboard including corrugated, cereal and shoe boxes, etc.

Chemung County Solid Waste Management

Transfer Station/MRF

The following can be brought to the Transfer Station and can be MIXED:

- ~ Food waste, general solid waste, pizza boxes, coffee filters, egg cartons, toys, plates
- ~ Plastic bags, shrink wrap, medicine bottles, plastic tubing, plate glass, incandescent light bulbs, string
- ~ Diapers, hangers, empty toner cartridges, carbon paper, typewriter ribbon cartridges
- ~ Books, wrapping paper, foreign cardboard, paper towels, tissues, rubber bands, staples
- ~ Empty, dry paint cans (lids removed), empty aerosol cans (one per bag), empty oil containers
- ~ Waxed, oil soaked, paint or food contaminated cardboard, wet cardboard, blueprints

The following are accepted at the Transfer Station, but must be SEPARATED:

- ~ Appliances, metal, bicycles, metal file cabinets, scrap metals, tire rims, (tires & CRT's accepted for a fee), etc.
- ~ Couches, stuffed furniture, carpets, etc.
- ~ Freon free scrap metal

FREON APPLIANCES (INCLUDING AIR CONDITIONERS) ARE NOT ACCEPTED.

All loads must be properly covered (tarped) in the transportation vehicle.

* Waste created by industrial process are not accepted at this facility.



Transfer Stations for Chemung County

Big Flats

3305 Chambers Road

HOURS:

Monday, Wednesday & Friday
8:00 a.m. – 4:00 p.m.

Saturday
8:00 a.m. – 3:00 p.m.

Erin

1892 Swartwood Road

HOURS:

Monday
8:00 a.m. – 4:00 p.m.

Saturday
8:00 a.m. – 3:00 p.m.

Elmira

1690 Lake Street

HOURS:

Monday through Friday
8:00 a.m. – 4:00 p.m.

Saturday
8:00 a.m. – 3:00 p.m.

Lowman

4349 County Route 60

HOURS:

Tuesday
8:00 a.m. – 4:00 p.m.

Saturday
8:00 a.m. – 3:00 p.m.

Southport

93 Institution Road

HOURS:

Monday & Friday
8:00 a.m. – 4:00 p.m.

Saturday
8:00 a.m. – 3:00 p.m.

These Transfer Stations are made available as an alternative to curbside pickup and for the convenience of Chemung County residents. Large quantities of waste or recyclables must be taken to the Transfer Station or Materials Recycling Facility on Lake Street or to the Landfill in Lowman as appropriate. Batteries, used oil, CFC containing devices and brush are NOT accepted at any of the County Facilities. Tires and CRTs are accepted at the Transfer Stations for a fee.

Transfer Station

Rules and Regulations



1. Recyclables must be placed in the appropriately marked bins.

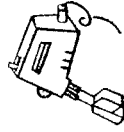


2. Solid Waste must be placed in specially marked county bags before being put into the trash area.

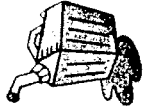
3. Colored bags are NOT permitted. All waste must be visible through the county bag.



4. Small amounts of construction and demolition debris are accepted in bags only.



5. Large and/or dense items are NOT accepted at these stations. Items, as a mixer, bowling ball, etc., must be taken to the Lake Street Facility.



6. Liquids and hazardous materials are NOT accepted.

Chemung County Electronic Recycling Program

Chemung County offers an opportunity for residents to recycle their old and unwanted electronics. The process is easy and simple. To correctly dispose of residential quantities of electronic equipment, please follow the instructions below.



Some examples of acceptable items include:

- | | | |
|-----------|-------------|--------------------------------|
| Computers | VHS players | Scanners |
| Monitors | DVD players | PDA's |
| Keyboards | TV's | Printers |
| Speakers | CD players | Phones (including cell phones) |

No appliances that heat, cool or have Freon, such as microwaves, air conditioners, coffee makers or dehumidifiers.

Step one: Create a list of electronics to be recycled.

Step two: Pick up your electronic recycling program voucher
All items for electronic recycling must be accompanied with an appropriate electronic recycling voucher.

A voucher can be obtained at:
Cornell University Cooperative Extension of Chemung County
425 Pennsylvania Avenue, Suite 107, Elmira, NY 14904
Please call 734-4453 for further information.

Call the Following Companies to Inquire About Fees and Pick-up

- Solid Waste Collection** - SDS of NY 796-2000/Foster's Disposal 734-2502/Jim's Trucking 734-9745/ B & E 866-263-3306
 - Dumpster/Container Service** - SDS of NY 796-2000/Foster's Disposal 734-2502/ Swarthout Recycling 936-0013/ Shulman co. 733-7111
 - Hazardous Waste/Liquids/Waste Oil** - Clean Harbors 800-444-4244/Safety Kleen 585-266-2411/Op-Tech 565-8891/Hazelton Oil 570-454-3464
 - Appliances containing FREON** - Swarthout Recycling 936-0013/Foster's Disposal 734-2502/Fix Rite 733-3195 (refrigerator, freezer, ac, etc.)
 - Fluorescent Light Tubes/Ballasts** - Op-Tech 565-8891/Clean Harbors 800-444-4244/ Safety Kleen 585-226-2411
 - Contaminated Soil/Industrial Waste Processing** - Beavers Petroleum 739-1790/SDS of NY 796-2000/Sheesley's Sewer Service 733-1862
 - Computer/Monitor/TV/Scanner/Printer Recycling** - REACT 739-8401/5R Processing Ltd. 315-458-4901/Chemung Transfer 737-2980
 - Used Cooking Oil Recycling** - Southern Tier Hide and Tallow 734-2661/Baker Commodities 315-458-4901
 - Propane Tanks** - Suburban Propane 739-4141/Kaplan's 733-6531
 - Fire Extinguishers** - Kaplan's 733-6531
 - Tire Recycling** - Fennell Recycling 767-0298/Annual Tire Collection Event Schedule-Chemung Transfer 737-2980
 - Dead Animal Processing** - Southern Tier Hide & Tallow 734-3661
 - Batteries** - Tractor Supply 739-6380 or call 734.4453 for HHW
 - Household Batteries** - save for Household Hazardous Waste Day
 - Motor, Hydraulic or Transmission Oil** - Tractor Supply or Lake Street Wastewater Treatment Plant at 733-1837 for appointment
 - Paper Shredding Service** - North East Mobile Shredding 796-9872
 - Scrap Metal** - Kaplan's Scrapyard Inc. 733-6531 or Spiegel WM Sons 733-5033 or 732-4444
 - Report Spills to NYS DEC** Local Office 739-0809/Chemung County Emergency Management Office: Daytime 737-2096/Nights & Weekends 735-8600
 - Illegal Dumping** - Chemung County Sheriff 735-8600/Chemung Co. Environmental health Dept. 737-2019
- Cornell University Cooperative Extension schedules an
ANNUAL HOUSEHOLD HAZARDOUS WASTE DAY
for Chemung County residents only. Call 734-4453 for info

Household Hazardous Waste Collection Day

What Can We Bring?



Chemung County holds an Annual Household Hazardous Waste Collection call 734-4453 to inquire

- ~ Aerosol cans - empty cans go in the regular garbage
- ~ Antifreeze
- ~ Automotive fluids
- ~ Ballasts
- ~ Batteries - hearing aid, watch, toys (household)
- ~ Brake Fluid
- ~ DDT
- ~ Degreasers
- ~ Disinfectants
- ~ Drain cleaner
- ~ Driveway sealer
- ~ Dry cleaning fluids
- ~ Fertilizers
- ~ Flea control
- ~ Floor care products
- ~ Fluorescent Light Bulbs

If you are a business or generator of large quantities, contact Op-Tech at 565-8891 or Safety-Kleen at 570-888-3661

- ~ Fungicides
- ~ Furniture Polish
- ~ Gasoline
- ~ Glue
- ~ Hair care products
- ~ Hobby chemicals
- ~ Household cleaners

- ~ Insecticides
- ~ Kerosene
- ~ Lighter fluid
- ~ Mercury Thermostats
- ~ Metal Polish
- ~ Mothballs
- ~ Nail Polish
- ~ Oil Based Paint
- ~ Oven Cleaner
- ~ Pesticides
- ~ Pet products
- ~ Photography supplies
- ~ Pool chemicals
- ~ Roofing tar
- ~ Rust remover
- ~ silver polish
- ~ Solvents
- ~ Oil based Stains
- ~ Thinners
- ~ Turpentine
- ~ Varnish
- ~ Weed killers
- ~ Wood preservative

Products NOT Accepted

Asbestos - Refer to your phone book under Asbestos Abatement.
Ammunition - Must call Solid Waste Management District
Appliances - Microwaves, TVs, washers, dishwashers, and dryers can be brought to the Transfer Station/MRF in Elmira. All loads must be tarped and tied down.

Batteries for Cars, Boats and Lawnmowers - Some garages will take them.

Household batteries - save for Household Hazardous Waste Day
Building Materials - Wood, demolition materials, ceramic sinks, wooden furniture. Sheetrock, plaster, roofing materials, branches, and construction debris are accepted at the County Landfill in Lowman, NY. All loads must be tarped and tied down.

Computers, Monitors and TVs - Accepted at the Transfer Station/MRF (for a fee) OR call Cornell Extension for a Electronic Voucher.

Hypodermic Needles (Used) - Accepted at the Transfer Station/MRF in sealed empty detergent bottles of coffee cans.
Leaves/Grass Clippings - Compost OR place at curb in clear bags for collection. Call Cornell University Cooperative Extension at 734-4453 for composting information.

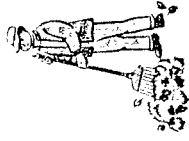
Medicines (Old or Unused) - May be placed in a sealed can and put in the garbage. Do not put anything into your septic tank that is non-biodegradable. It can plug up your septic tank and also pollute the ground water.

Refrigeration Units - Refrigerators, air conditioners, dehumidifiers, and freezers are accepted by the private sector. Call Cornell Cooperative Extension of Chemung County at 734-4453 for a current list of haulers.

Smoke Detectors-Tires - The District accepts tires and rims at the Transfer Station in Elmira only. Tires must be off rims. Rims can be recycled as scrap metal.

Latex Paint - Harden by exposing it to air or mixing with kitty litter. When hardened, place in trash with lid removed.

Backyard Composting



What is Compost?

Compost forms naturally nearly everywhere. Leaves drop from trees. Grass clippings are left after mowing the lawn. Plants and animals die. Over time, these organic materials break down or decompose. The rich, dark-brown, crumbly, soil-like material that results is called compost. This is nature's way of recycling nutrients and returning them to the soil so that they can be used again. **By taking advantage of this natural recycling process, you can help lighten the load of waste that would otherwise go to the landfill.**

What Can I Compost?

- ~ Yard wastes, such as fallen leaves, grass clippings, weeds and the remains of garden plants.
- ~ Raw kitchen scraps except for meat, fish, bones and fatty foods (such as cheese, salad dressing and leftover cooking oil).
- ~ Woody yard wastes, chipped or shredded, can be used as a mulch or for paths where they will eventually decompose and become compost.

How Do I Make a Compost Pile?

To build a simple compost bin, you'll need the following:

- ~ Small mesh wire fencing or snow fencing.
- ~ Seven or more rough boards or stakes, depending on the shape of bin you choose. Build a square, rectangular or circular structure. For a typical home garden, a bin 3-4 feet in height and 5-8 feet square. Locate it away from buildings and combustible materials and close to a water source.

To Start Your Compost Pile:

1. Spread a layer of plant wastes 6-8 inches deep in the bottom of your bin. **Moisten** the layer thoroughly.
2. Make a second layer of high nitrogen fertilizer, such as 10-10-10. This will be a very thin layer—use only about 1/2 pound or 1 cup to each 3-35 square feet. **Moisten** thoroughly.

3. Make a third layer with a few shovels full of garden soil, about 1 to 2 inches deep. This will ensure that plenty of decay organisms are present in your compost pile. Again, **moisten** thoroughly.

Repeat steps 1, 2 and 3 until you have used up your waste material. To start, your pile should have at least 4 or 5 layers of waste.

Kitchen scraps (minus meat, fish, bones, and fatty foods) should be added to the center of the waste layers where heat will be the greatest.

Pile waste material loosely in the bin. Too much compaction inhibits the flow of air through the pile.

It helps to make the top layer slant toward the center where it will catch rainfall. **Water is the key to successful composting.** A compost pile should be kept damp—but not soggy—especially during dry spells.

It will take six months to a year before the compost is ready for use.

Composting Do's and Don'ts

- Do** add lime, small amounts of wood ashes or crushed eggshells to the compost pile to neutralize acids that may form and cause odor problems.
- Do** mix grass clippings with other wastes to loosen them up. They have a tendency to compact.
- Do** keep compost pile damp, especially during drying spells.
- Don't** use unfinished compost. It will rob your plants of nitrogen instead of acting as a fertilizer.
- Don't** compost weeds that are heavily laden with seeds. Some seeds will not be killed during the heating process.
- Don't** add meat, fish bones or fatty food scraps to the compost mixture. They will attract animals and they do not decompose readily.
- Don't** add diseased vegetable plants to the pile if the compost will be used on a vegetable garden. The disease organisms may reappear the following year.

For more information call Cornell University Cooperative Extension of Chemung County at 734-4453.



Community Composting

Community composting is beneficial because:


- ~ Leaves take up too much space in landfills—many communities now ban leaves from landfills.
- ~ Many households do not have the time or space to compost large quantities of organic waste, such as fallen leaves.
- ~ Composting is environmentally safer—leaves in landfills generate dangerous gases; burning leaves creates smoke pollution and is unlawful in many communities.
- ~ Some communities will accept leaves and other yard wastes for community compost heaps. If no program exists, urge your community leaders to put one in place.

Why Should I make Compost?

- ~ Composting is an easy practical way to recycle your organic yard and kitchen wastes.
- ~ Compost is an excellent soil conditioner for even the smallest yard and garden—it's safe to use and it costs practically nothing to make.
- ~ Compost grows healthy plants and health plants improve the air by removing carbon dioxide and making fresh oxygen.

For Your Community—a Recap

- ~ Composting could remove more than 15 percent from the solid waste stream, if everyone participated.
- ~ Many communities now ban leaves from landfills forcing residents to find other alternatives. Some communities have started composting programs.
- ~ Composting eliminates air pollution caused by burning leaves and other yard wastes.
- ~ Composting recycles nutrients by returning them to the soil.



For more information or to learn more about recycling at your home, business, or school – contact Toni @ 734-4453 or visit our website at <http://counties.cce.cornell.edu/chemung>

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