Westchester County
Environmental Facilities
Solid Waste Division / Recycling
SWANA – NYS Chapter

“Challenges and Opportunities for Waste-to-Energy in NY”
June 10, 2009

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Environmental Project Coordinator
Westchester County

- 953,000 Residents
- 358,000 Housing Units
  - Putman County North
  - Connecticut East
  - Rockland County West
Department of Environmental Facilities – Solid Waste
DEF Solid Waste Division

RESCO is a contracted facility/burn plant for Solid Waste materials
Permitted to burn 710,000 tons
Last year 668,000

MRF – Material Recovery Facility is a contracted facility to takes 400-500 tons MSW per day
DEF Solid Waste Division

- Sprout Brook
- Director of Operations
  - Superintendent of Landfill
  - Maintenance staff
  - Landfill Operators
DEF Solid Waste Division

Programs

- Organic Yard Waste Management
  - Organic Yard Waste Transfer Program (178,000 tons) 2008
- Tire Recycling – (40,000 Tires)
- E-waste Collection Programs (1,600 tons)
- Household Recycling Days
- Office Recycling Program
- Wastewise School
- Recycling Help Line (2-1-1) (3,500 calls)
- Mobile Shredder
- Treasure Hunt (diverted 2,600 useable items)
- Cell Phone Collection Sites
- Ink Cartridge Recycling
- Annual Recycling Awards Program
- Compost Bin Sale Days
- Veggie Van Educational Vehicle
- Recycling Enforcement
- MRF Education Center
- Boat Wrap Recycling
- Scrap Metal Recycling
- Earth Day
- Pharmaceutical Take Back
Department of Environmental Facilities
Division of Solid Waste

- The Material Recovery Facility in Yonkers (MRF)
- Solid Waste Transfer Station
- Recycling Center
- Education Center
DEF Solid Waste Division

- Transfer Stations –
  ◇ White Plains
  ◇ Mount Vernon
  ◇ Yonkers

White Plains Transfer Station

Mt. Vernon Transfer Station

Yonkers Transfer Station
Material Recovery Facility
MRF Education Center

- Learn what happens to your recyclables
- Learn how it helps the environment
- To book a tour just go to:
  www.westchestergov.com/recycling
MRF Education Center
MRF Ed Center - Classroom
Household Recycling Days
E-waste at HRD
Solid Waste Events

2009 HOUSEHOLD RECYCLING DAYS
Drop off household waste that cannot be set out for curbside collection or recycling.

What’s Accepted:
Properly labeled household chemicals, including:
- Most Automotive Fluids – antifreeze, brake fluid, gasoline
- Flammable Liquids – kerosene, butane, charcoal fluid, turpentine
- Metal, Jewelry & Furniture Polishes, Wood Preservatives
- Pool Scales, cleansers, herbicides
- Photographic & Swimming Pool Chemicals

Other Items, including:
- Fluorescent Light Bulbs
- Fire Extinguishers
- Propane Tanks (2.5, 10 & 20 lbs)
- Batteries - Auto, Alkaline, Rechargeable & Button Cell
- Cell Phones
- Car Tires (maximum 10)
- Mercury Thermometers and Thermocouples
- E-WASTE - Computer monitors, TVs, computer towers, accessories, printers, faxes, phones, cell phones and small appliances, i.e. toasters, blenders, radios, stereo, speakers, lamps
- White Goods – washers, dryers, freezers, stoves, refrigerators
- Air Conditioners
- Expired or Unused Pharmaceuticals – post-label and take the counter
- Plastic Grocery Bags – bring in 20 bags or more and get a free reusable shopping bag – while supplies last.

2009 SPRING DROP OFF DATES
- March 27 (Friday) 1 to 3pm
- March 28 (Saturday) 9am to 3pm
- Greynuts Island Park, Mount Vernon
- April 3 (Friday) 1 to 3pm
- April 4 (Saturday) 9am to 3pm
- Playland Park, Rye
- May 8 (Friday) 1 to 3pm
- May 9 (Saturday) 9am to 3pm
- Franklin D. Roosevelt (PDR) State Park, Yorktown Heights
- June 5 (Friday) 1 to 3pm
- June 6 (Saturday) 9am to 3pm
- Westchester Community College, Valhalla

FALL DROP OFF DATES
- Sept. 12 (Saturday) 9am to 3pm
- Country Recycling Center, Yorktown
- Oct. 10 (Friday) 1 to 3pm
- Oct. 17 (Saturday) 9am to 3pm
- Croton Point Park, Croton-on-Hudson
- Nov. 6 (Friday) 1 to 3pm
- Nov. 7 (Saturday) 9am to 3pm
- Playland Park, Rye
- Nov. 21 (Saturday) 9am to 3pm
- Glen Island Park, New Rochelle

Eastchester E-WASTE DROP OFF DAY
SEPTEMBER 20
(Saturday) 8am – 3pm
Ann Hutchenson Elementary School
60 Mill Road

What is e-waste?
E-waste is “electronic waste” – products that are nearing the end of their “useful life.” Computers, televisions, VCRs, stereos, copiers, and fax machines are common electronic products. Many of these products can be reused, recycled, or recycled.

Is “e-waste” considered hazardous?
Certain components of some electronic products contain materials that render them hazardous, depending on their condition and density. For example, non-rechargeable NiCd’s (cadmium) batteries, lamps and small appliances – toasters, white goods – washers, dryers, freezers, stoves, refrigerators

Also Accepted: Used CFLs
Drop off your used compact fluorescent light bulbs for proper disposal.

ITEMS ACCEPTED:
- Computer monitors, TVs, computer towers, accessories, printers
- Faxes, phones, cell phones
- Air conditioners
- White Goods – washers, dryers, freezers, stoves, refrigerators
- Battery
- Lamps and small appliances – toasters, white goods – washers, dryers, freezers, stoves, refrigerators

For questions about recycling, dial the Recycling Hotline at 211 or visit westchestergov.com/recycling.

Important Reminder: Many electronic products (computers, cell phones, PDAs, etc) are valuable and personal information. Before donating or recycling your equipment, remember to remove all narrative and personal information from your computer’s hard drive. If you are no longer using your keyboard or mouse to delete files, you must not be able to retrieve the information on your computer’s hard drive. Your local software store can assist you with the necessary file cleaning software appropriate for your system.
HRD Stats - 2008

- 11,000 Participants
- 160,000 lbs of Household Haz Waste
- 400,000 lbs E-waste
- 500 lbs Rx – Take Back
- 2,000 lbs plastic bags
- 48,000 lbs Tires
- 128,000 lbs of paper shredded/recycled
E-waste Program

- 18 Participating Municipalities and Pods
- Over 1.7 mil tons collected in 2008
- 12 E-waste Collection Events
  - 300,000 lbs collected
  - 3,500 participants
Mobile Shredder

- Program kicked off in 2007
- New unit purchased in 2008
- 2008 – 300 tons shredded and recycled
- 2009 – year to date 220 tons
  - Shared Services
    - Schools
    - Municipalities and Governmental Agencies
    - Household events
      - 2008 – 7,500 participants
      - 2009 – year to date 3,000 participants
Mobile Shredder
Boat Wrap

- **Started in 2008**
  - Collected on Sound side only 21 tons of material
- **2009**
  - Expanded to Hudson side April – May collected 12 tons
  - We expect to collect 30 plus tons from April – June
Rx Take Back

- Kicked off in 2008 at HRD events
  - 963 participants
  - 3,500 lbs collected and burned
  - 2009 year to date
  - 296 participants
  - 500 lbs collected and burned
Expansion of Rx Take Back

- Received Grants from:
  - Medco
  - POMCO

We are expanding program to various senior centers within the County
Rx Take Back
Compost Bin Sale Day Program

COMPOST BIN SALE DAY
SATURDAY, MAY 2, 9am - 2pm Rain or Shine
Saxon Woods Pool and Park, White Plains

Choose from two types of composting bins, wholesale priced at only $30 and $48 (tax included) for this event — white supplies last! Cash or checks accepted.

FREE COMPOST
& professional advice for your garden, just by visiting Compost Bin Sale Day!

Also available for purchase: kitchen scrap buckets, aerators and more.

Reserve your bin by April 29 and get a FREE kitchen scrap bucket! (While supplies last - information on reserving a bin is on the back of this flyer.)

Directions to Saxon Woods Pool and Park:
Hutchinson River Parkway to Exit 23N, Mamaroneck Avenue/White Plains. Bear right onto Mamaroneck Avenue and stay left. Entrance to the pool and park is on the left.

This event sponsored by:
Veggie Van
Veggie Van

- Visits schools, camps, environmental events etc.
- http://www.youtube.com/watch?v=10ssptc1sns
Veggie Oil Recycling / Pick Up

- New Program kicked off Feb. 2008
- Collect used vegetable oil from food establishments
- The County converts to fuel for diesel mix and additive to #2 heating fuel for County vehicles and buildings
Kick off
County’s Veggie Oil Recycling Program

Think green. Recycle used vegetable oil.

RECYCLE OIL

Let us pick up your used vegetable oil for FREE!

Instead of paying someone to collect your used vegetable oil, let the county pick it up and put it to good use!

The used oil collected will be recycled as bio-diesel to help power county vehicles, reduce overall fuel consumption and save money. Used vegetable oil is biodegradable and emits 60 percent less carbon dioxide than petroleum-based diesel. It also emits less carbon monoxide and other hydrocarbons than diesel.

It makes good business sense and it's good for the environment.

First-come, first-served

Storage facilities for used vegetable oil are limited, so we are offering this service on a first-come, first-served basis.

Free Promotion

All restaurants and food service establishments that participate will be acknowledged in promotional materials and on the county’s web site.

How can your business participate?

To participate go to westchestergov.com or call (914) 913-6478.

Help promote sound environmental practices and reap the financial savings of having your used vegetable oil picked up for free.

Andrew J. Spano, Westchester County Executive
County Board of Legislators
Conversion
Runnin on Vegetable Oil

Westchester County promotes biodiesel fuel and other renewable energies. Our "Veggie Van" retromobile to run on biodiesel fuel, is part of the county government's effort to protect our environment.

What is bio-diesel fuel? It's used vegetable oil.

The fuel produces only about 70 percent of the pollutants of a normal diesel engine. The Veggie Van gets its fuel from the 3,000 gallons of used vegetable oil generated annually at county-owned concessions such as Fish and the restaurant at Glen Island Park. That's more than enough for the Veggie Van and other county vehicles that Westchester has eliminated, such as snow plows and pickup trucks.

Instead of paying for disposal of this used vegetable oil, it is now available free to the Veggie Van.

And there is more good news: when the Veggie Van passes, you'll get a whiff of something good cooking (maybe French fries or Chinese food!) instead of the overpowering diesel smell you would get from regular buses.

What does the Veggie Van do? It provides educational outreach to children and people of all ages. Visitors step into a mobile classroom where they can watch DVDs on global warming and pollution and find out about what alternative fuels can do for them, the environment and their pocketbooks.

Interested in scheduling the Veggie Van for your classroom or event? Call Westchester County Environmental Facilities at (914) 871-437 or email us at eco@westchestergov.com for more information. You can also visit us on-line to learn more.
Earth Day

Sunday, April 19, 2009
Kensico Dam Plaza, 10 a.m. - 4 p.m.
Rain or shine

- Enjoy live entertainment with Annie and the Natural Wonder Band, Jeff Beer's Sustainability Show and Solar Rush
- First 50 families receive a FREE "Earth Machine" composting bin
- FREE "Green Raffle" for valuable prizes like a home energy audit, 30 day unlimited ride Westchester County Rideshare, and more
- Down and gardening Q&A with Cornell Cooperative Extension of Westchester County
- Westchester County Sustainability Recycling Awards & Prizes


Kensico Dam Plaza is located at the north end of the Bronx River Parkway in Valhalla.
For information on "Rides to the Park" Call April 19, and (914) 844-3954.
Global Warming Task Force

- Environmental Facilities has taken a lead roll in stopping Global Warming with the GWTF