

INDEX

About this Guide
The Three R's – Reduce, Reuse, Recycle
Household Hazardous Waste7
Recycling and Household Waste Disposal Locations9

Medicine
Mercury
Metal
Motor Oil
<i>Oil Filters</i> 23
Paint and Solvents
Packing Peanuts
Paper
Pesticides
Phosphorus
<i>Plastics</i> 27
Plastic Grocery Bags
Pop Bottles
Propane
Radios
Radon 30
Tin
Tires
Transmission Oil
<i>TV's/VCR's</i> 32

Waste Haulers and Curbside Recycling (Residential)	. 33
Important Resources and Organizations	. 34

ABOUT THIS GUIDE

The Barry County Recycling Guide is provided to residents of Barry County to help manage solid waste through reduction, reuse and recycling. The guide also offers information on managing hazardous waste products through proper disposal. The guide is available in printed form at the Barry-Eaton District Health Department, the Barry Conservation District, the County Administrator's office and city, village and township halls. The online version can be found at www.barrycounty.org. Questions or suggestions for updates should be directed to the Barry Conservation District, 1611 S. Hanover, Suite 105, Hastings (269) 948-8056 ext. 3.

The Barry County Recycling Guide is provided to you by the Barry County Solid Waste Oversight Committee (SWOC). Committee members appointed by the Barry County Commission strive to fulfill the SWOC mission to "utilize to the maximum extent possible the resources available in Michigan's solid waste stream through source reduction, source separation and other means of resource recovery." The committee also develops and supports programs to prevent adverse effects on the public health and environment resulting from improper solid waste collection, transportation, processing or disposal to protect the quality of the air, the land and ground and surface waters.

Major SWOC projects include spring and fall Household Hazardous Waste Collections at the Barry County Fairgrounds and the roadside deer pick up program. In addition, the SWOC provides small grants to agencies, clubs, organizations and schools to support recycling and hazardous waste programs.

For more information on the SWOC, contact the Barry-Eaton District Health Department at (269) 945-9516 ext. 3 then 5.



Farmers and home owners can bring in old and unused pesticides or items containing for proper disposal to: CLEAN SWEEP









Clean Sweep happens Every Mid-September in the Barry & Eaton County area

A voluntary program designed to help reduce the human and environmental impacts of PESTICIDES that are no longer usable.

Clean Sweep Benefits You

Anyone who has old, banned, unregistered, or otherwise unusable pesticides that need to be disposed of can participate. Participants in the past have included farmers, golf course managers, nursery and greenhouse operators. Although the focus has been primarily agricultural, home owners are welcome too.

Why Should I participate?

Storing unusable pesticides represents an unnecessary risk to many, including: fire fighters, curious children, pets, and the environment. Soil and groundwater can be come contaminated and future owners of the property may have an unnecessary problem to deal with. Clean-up costs are expensive and not likely to decrease.

CLEAN SWEEP CAN HELP AVOID HEARTACHE AND LIABILITY

For more information contact:

Barry Conservation District 269-945-8056 ext. 114 Eaton Conservation District 517-543-5848 ext. 5 OR YOUR LOCAL MSU EXTENTION OFFICE BARRY MSUE 269-945-1388 IONIA RESOURCE RECOVERY 616-527-8219 EATON MSUE 517-543-2310



Sponsored by: Michigan Groundwater Stewardship Program Michigan State University Extension Barry & Eaton Conservation Districts Natural Resources Conservation Service Crop Production Service

Reduce ...

Source reduction is reducing waste before you purchase it by purchasing products that are not wasteful in their packaging or use. A key part of waste reduction is conservation – using natural resources wisely, and using less than usual in order to avoid waste. Here are some tips on reducing:

Buy and use less – buying only what you need, and using all that you buy is a good start. When you are through with something, pass it along to someone else who can use it!

Precycle – purchase products in packaging that can be recycled. Or take the next step and look for products that use recycled materials in their packaging or content (recycled paper napkins or ink cartridges are examples).

Bulk up – buy the products you use most in the largest convenient size. Bulk purchases can reduce waste and save you money at the check-out counter, too. Avoid single-serve containers – break things down to portion size at home and repackage in reusable containers. Buy refills when possible.

Concentrate – look for items sold as concentrates rather than diluted ones. The containers are smaller, and you aren't paying to package and ship water – less waste and less energy are used!

Say no to disposables – disposable items are marketed to make our lives easier, but consider the waste and cost of buying and throwing away goods like paper and foam dinnerware, plastic silverware, disposable razors and food storage containers. Use an old set of dishes, silverware or glassware for picnics. Choose sturdy, reusable options over disposable ones whenever possible.

Choose durable durable goods – Durable goods are sturdy things, like furniture or appliances that can be used for many years. Look for well-made items, with warranties if available, to assure that these major purchases will last a long time. You can save money by repairing durable items when they break, rather than buying new ones.

Stop the junk mail – call toll-free numbers in unwanted catalogs and ask to be removed from the mailing list. Use the internet for catalog browsing, bill payment and other services that usually come through the mail.

Reuse ...

You can reuse materials in their original form instead of throwing them away, or pass materials on to others who can use them, too. Here are some examples of reuse:

Neither paper nor plastic – switch to reusable cloth shopping bags to save on paper and plastic use. Give everyone in the family a BPA-free sports bottle or drink mug to carry with them – many stores offer reduced-cost drink refills, and everyone can save money by filling up with tap water or buying drinks in large containers instead of single servings.

Paper saver I – reuse paper printed on one side for note paper or for printing less important documents. Save a tree by printing only what you must have in hard-copy form.

Paper saver II – follow Grandma's lead by saving and reusing wrapping paper and gift bags, or get creative and wrap gifts in cloth bags, a colorful scarf, or other reusable items.

Pass it on - when you decide to replace clothing or durable goods, donate the old ones to a charitable outlet like Goodwill, Habitat for Humanity or a thrift store. Alternately, hold a garage sale or give-away to find new homes for your old goods.

Recycle ...

Recycling occurs when you save and take reusable materials to places where they can be remade into the same or new products instead of being thrown into a landfill. Making new items from recycled ones also requires fewer energy and other resources than making products from brand-new materials. Use this guide to find out what products can be recycled and where you can drop off your recyclable items. Here are some recycling facts:

- In 2006, US residents, businesses, and institutions produced more than 251 million tons of Municipal Solid Waste (MSW), which is approximately 4.6 pounds of waste per person per day.
- Currently, in the United States, 32.5 percent of solid waste is recovered and recycled or composted, 12.5 percent is burned at combustion facilities, and the remaining 55 percent is disposed of in landfills.
- Recycling 82 million tons of MSW in 2006 saved the energy equivalent of more than 10 billion gallons of gasoline.
- For every ton of steel recycled, 2,500 pounds of iron ore, 1,400 pounds of coal, and 120 pounds of limestone are conserved.
- Recycling one aluminum can saves enough energy to run a television or operate a computer for three hours.
- Once an aluminum can is recycled, it can be part of a new can within sixty days.
- In 2006, glass made up 5.3 percent of the municipal solid waste stream by weight.
- Today's glass containers are more than 40 percent lighter than they were 20 years ago.
- Total U.S. paper recovery reached a record high 54.3 million tons in 2007, up 87 percent relative to 1990 and 1.9 percent over 2006. The 54.3 million tons works out to 360 pounds for each person living in the U.S.
- To make one ton of paper using recycled fiber saves 17 trees, 360 gallons of water, 100 gallons of gasoline, and keeps 60 pounds of pollutants out of the air.
- If everyone in the United States recycled all of their newspapers, we could save about 250 million trees every year.
- Plastics are a rapidly growing segment of the MSW stream. The largest category of plastics are found in containers and packaging (e.g., soft drink bottles, lids, shampoo bottles), but they also are found in durable (e.g., appliances, furniture) and nondurable goods (e.g., diapers, trash bags, cups and utensils, medical devices).
- Recycling a ton of plastic bottles saves the energy equivalent of 318 gallons of gasoline.
- Five recycled soft drink bottles makes enough fiberfill for a man's ski jacket. Thirty-six recycled bottles can make one square yard of carpet.
- Recycling plastic uses 80 percent less energy than manufacturing plastic from virgin materials.

HOUSEHOLD HAZARDOUS WASTE

There are some items that can't be recycled but don't belong in the waste-stream either because they can pollute soil, groundwater or surface water. These items are referred to as household hazardous waste, and special precautions should be used in storing and disposing of them.

~ Common Household Hazardous Waste Items ~

AUTOMOTIVE

- Auto batteries
- Brake fluid
- Carburetor cleaner
- Degreasers
- Fuels
- Oil filters
- Used antifreeze
- Used motor oil

HOUSEHOLD ITEMS

- Aerosol products
- Button batteries
- Batteries
- Drain cleaners
- Fluorescent lights
- Medication
- Mothballs
- Nail polish/remover
- Oven cleaner
- · Polish with solvents
- Spot removers
- Mercury thermometers

LAWN AND GARDEN

- Bug spray
- Charcoal lighter fluid
- Weed killer
- Insect bait
- Insect killer
- Pool chemicals
- Rodent bait
- Weed killer







- Concrete cleaner
- Driveway sealer
- Furniture stripper
- Glue with solvents
- Latex paint
- Oil-based paint
- Paint remover
- Paint thinner
- Roofing tar
- Stain/varnish
- Wood preservative



It is estimated that the average American home stores up to 100 pounds of household hazardous waste. Make your home safer by limiting the amount of household hazardous waste stored in the home, garage and other outbuildings, and storing needed products properly:

- If you are no longer using a product, if its package is damaged, or if you can't identify it, take it to the Household Hazardous Waste collection for proper disposal.
- If you do store hazardous waste products, always use secondary containment place the product, in its original container, inside a leak-proof plastic bin to catch any spills or leaks that may occur.
- Never remove labels from products. Keep them in their original containers.
- If you have leftover product in another container, such as a garden sprayer or mixing container, be sure it is labeled and sealed before storage.



RECYCLING & HOUSEHOLD HAZARDOUS WASTE DISPOSAL LOCATIONS

ANTIFREEZE

Antifreeze can be absorbed through the skin in toxic amounts and can be harmful or fatal if swallowed. Ingestion can cause liver and kidney damage. It is especially dangerous to children, pets and wildlife because they are attracted by its sweet taste, therefore antifreeze should never be dumped on the ground or left in an open container. Ethylene glycol, a thick colorless fluid derived from the cracking of petroleum is the main ingredient in antifreeze. The safer brands of antifreeze currently available consist of propylene glycol, which can still cause poisoning and death, but requires a greater amount of ingestion. We are fortunate to have safe disposal or recycling options in our area. Please utilize one of the following options in disposing of antifreeze.

Barry County Household Hazardous Waste Collection Spring & Fall

Contact Barry-Eaton District Health Department Phone: 269-945-9516 ext. 3 then 5

Maxi Muffler Plus

201 N. Broadway, Hastings Hours: Monday – Friday 7:30-5:00 Phone: 269-945-5888

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192

APPLIANCES

Never leave old or unused appliances (especially refrigerators and freezers) in place. Always remove doors completely before you place the appliance in any area – inside or outside – where children might be. It only takes minutes for a child to suffocate in a closed refrigerator or freezer. Appliances may be disposed of/recycled at the following locations.

Goodwill

2542 M-43 Hwy, Hastings Hours: Monday-Saturday 9:30-8:00; Sunday 12:00-5:00 Phone: 269-945-6252 *sellable items only

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

BATTERIES (CAR)

Wherever you buy a car battery, you may now also turn in your old car battery at the time of the purchase. If you are not purchasing a car battery but you do have old car batteries you would like to dispose of, please take them to one of the following businesses for recycling.

Barry County Household Hazardous Waste Collection Spring & Fall

Contact Barry-Eaton District Health Department Phone: 269-945-9516 ext. 3 then 5

Dobbin's Auto Service

1847 E. M-79, Hastings Phone: 269-945-0191

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192



BATTERIES (CELL PHONES)

Padnos, Louis Iron & Metal Co. 519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

BATTERIES (HOUSEHOLD)

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department

Phone: 269 945-9516 ext. 3 then 5

K-Mart

802 W. State Street, Hastings Phone: 269-948-9440

Richland True Value Home Center

8108 N. 32nd Street, Richland Phone: 269-629-9716

BATTERIES (HOUSEHOLD) continued...

Target

1925 Marketplace Drive, Caledonia Phone: 616-698-1026

Wal-Mart

1618 W. M-43 Hwy, Hastings Phone: 269-948-0470

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192

Wired Up

614 W. State Street, Hastings Phone: 269-945-4800

BATTERIES (BUTTON)

Hodges Jewelry and Gifts

122 W. State Street, Hastings Hours: Monday – Friday 9:30-6:00, Saturday 9:30-3:00 Phone: 269-945-9572

BUBBLE WRAP

Second Hand Corners

102 W. State Street, Hastings Hours: Monday-Thursday 9:30-6:00, Friday 9:30-8:00, Saturday 9:30-7:00, Sunday 12:00-5:00 Phone: 269-945-5005

CAMERAS

Padnos, Louis Iron & Metal Co. 519 Railroad Street, Hastings

Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

CARDBOARD

Gilkey Transfer Station 2990 Osborne Road, Delton Hours: Friday 3:00-7:00, Saturday 9:00-5:00

Padnos, Louis Iron & Metal Co. 519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

Yankee Springs Township 284 N. Briggs Road, Middleville Phone: 269-795-9091

Village of Nashville - Casgrove Road Station Saturdays Only Phone: 517-852-9544

CELL PHONES

Tens of millions of cellular telephones are put in boxes every year, never to be used again. That's too bad. Phones are useful and contain toxic materials. They should never be thrown away but instead be recycled. Now you can donate your old wireless phone. Recycled phones go overseas to people who can't get regular telephone service, or to people in abusive relationships (the phones are programmed to call 911 only). Phones or phone parts (like batteries & cords) are collected. Try to collect as many parts as possible.

First Baptist Church of Hastings

309 E. Woodlawn Avenue, Hastings Phone: 269-948-8004

Green Gables Administrative Office

629 W. State Street, Hastings Phone: 269-945-9561

K-Mart

802 W. State Street, Hastings Phone: 269-948-9440

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

Richland True Value Home Center

8108 N. 32nd Street, Richland Phone: 269-629-9716



CELL PHONES continued...

Second Hand Corners

102 W. State Street, Hastings Hours: Monday-Thursday 9:30-6:00, Friday 9:30-8:00, Saturday 9:30-7:00, Sunday 12:00-5:00 Phone: 269-945-5005

Target

1925 Marketplace Drive, Caledonia Phone: 616-698-1026

Wal-Mart

1618 W. M-43 Hwy, Hastings Phone: 269-948-0470

Wired Up

614 W. State Street, Hastings Phone: 269-945-4800

CHEMICALS

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5

CLEANING PRODUCTS

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5



Natural Home Remedies: Alternatives to Common Household Chemicals

Many of the brand-name cleaners we use today contain toxic or hazardous chemicals. Before these commercial products were available, people used simpler alternatives that are just as effective and far less harmful to the environment. You may find these remedies to be less expensive, as well!

PURPOSE

Aluminum spot remover Bleach Car Battery corrosion Cleaners: General household Coffee Cup stain remover Copper Cleaner Dish Detergent; grease cutter

Drain Cleaner

Fertilizer Furniture Polish Garbage Disposal Deodorizers Grease Removal Hand Cleaner: Paint/Grease Ink Spot Remover

Laundry Detergent Linoleum floor cleaner Mildew remover Oil Stain Remover Oven Cleaner

Paint: oil based/stain/spray Paint brush softener Perspiration Spot Remover Pet Odor Remover Rug/Carpet Cleaner Rust Removal Scorch Mark Removal Scouring Powder Shaving Cream Silver Polish

Spot Remover Stainless Steel Polish Toilet Bowl Cleaner Tub and Tile Cleaner Water Softener Wine Stain Removal Window Cleaner Wood Polish olive oil (interior unvarnished wood only)

LESS TOXIC ALTERNATIVE

2 tablespoons cream of tartar & 1 quart hot water Borax Baking soda & water Baking soda Moist Salt Lemon juice & Salt 1 cup baking soda & usual amount of liquid detergent Plunger followed by _ cup baking soda & _ cup vinegar & 2 quarts boiling water Compost and vermicompost 1 tablespoon lemon oil in 1 pint mineral oil Used Lemon Borax on damp cloth Baby oil Cold water & 1 tablespoon cream of tartar & 1 tablespoon lemon Basic soap 1 cup white vinegar & 2 gallons water Equal parts of vinegar and salt White chalk rubbed into stain before laundering 2 tablespoons liquid soap & 2 tablespoons borax & warm water Water based, non-aerosol paints Hot Vinegar Baking Soda Cider Vinegar Club Soda Lemon Juice & salt & Sunlight Grated Onion Baking Soda Brush and Shaving soap 1 quart warm water & 1 tablespoon baking soda & Piece of aluminum foil & tablespoon salt in glass dish; rinse and dry Club soda, lemon juice, salt Mineral Oil Paste of borax & lemon juice 1 Cup Baking Soda & _ cup vinegar & warm water 1 cup vinegar Salt 2 tablespoons vinegar in 1 quart warm water 3 parts olive oil & 1 part white vinegar; almond or

COMPUTERS AND PRINTERS

Think before you put that old computer in storage! Try to donate or recycle your old computers before they become totally obsolete (the EPA estimates that 75% of computers sit in storage for several years before finally getting thrown away)!

If you've waited too long you'll have to recycle, not reuse. Electronics contain lead and other chemicals, so they should not be disposed of in a landfill (some jurisdictions are working on banning such material from landfills).

Goodwill

2542 M-43 Hwy, Hastings Hours: Monday-Saturday 9:30-8:00; Sunday 12:00-5:00 Phone: 269-945-6252 * Sellable Items Only

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

EXPLOSIVES & AMMUNITION

When spring clean-up time leads to some unexpected caches of unwanted or unusable fireworks, flares, bullets, shotgun shells, blasting caps, or dynamite remember there is a safe solution in our area for disposal.

Barry County Sherriff's Department

1212 W. State Street, Hastings Hours: Monday, Wednesday & Friday 8:00-5:00; Tuesday & Thursday 8:00-7:00 Phone: 269-948-4801

FIRE EXTINGUISHERS

Hastings Fire Department

110 E. Mill Street, Hastings Phone: 269-945-5384 * Refill Charge

FUEL TANKS (GASOLINE AND OIL)

Fuel tanks of any kind must be absolutely empty before you attempt to recycle or dispose of the tanks. Scrap metal companies and landfills will require you to demonstrate that the tanks are empty by cutting them apart or drilling holes in the tanks. Use caution before you do any cutting or drilling and always get professional advice.

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192

GASOLINE

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192

GLASS

City of Hastings Recycling Center 1035 E. State Street, Hastings Phone: 269-945-2468

Gilkey Transfer Station

2990 Osborne Road, Delton Hours: Friday 3:00-7:00, Saturdays 9:00-5:00 Phone: 269-623-5171

Hope Township

5463 S. M-43 Hwy, Hastings Phone: 269-948-2464 * *Residents Only*

Orangeville Township Fire Dept.

Boulter Rd., Orangeville (269) 664-4522

Village of Nashville - Casgrove Road Station

Saturdays Only Phone: 517-852-9544

Waste Management Landfill

1899 N. M-43 Hwy, Hastings Hours: Monday – Friday 8:00-3:30, Saturdays 8:00-12:00 Phone: 269-945-2260

Yankee Springs Township

284 N. Briggs Road, Middleville Phone: 269-795-9091

HOUSEHOLD ITEMS

Barry County Habitat for Humanity Re-Store

1220 W. State St. Hours: Thursday and Friday 9:00 to 5:00; Wednesday and Saturday 9:00-2:00 Phone: 269-948-9998

HOUSEHOLD ITEMS continued...

Goodwill

2542 M-43 Hwy, Hastings Hours: Monday-Saturday 9:30-8:00; Sunday 12:00-5:00 Phone: 269-945-2260 * *Sellable Items Only*

INK CARTRIDGES

Delton Kellogg Schools

327 N. Grove Street, Delton Phone: 269-623-9200

First Baptist Church of Hastings

309 E. Woodlawn Avenue, Hastings Phone: 269-948-8004

Green Gables Administrative Office

629 W. State Street, Hastings Phone: 945-9561

Second Hand Corners

102 W. State Street, Hastings Hours: Monday-Thursday 9:30-6:00, Friday 9:30-8:00, Saturday 9:30-7:00, Sunday 12:00-5:00

JEWELRY

Gilmore Jewelers

102 E. State Street, Hastings Hours: Monday – Friday 9:30-6:00, Saturday 9:00-4:00 Phone: 269-945-9572

Hodges Jewelry & Gifts

122 W. State Street, Hastings Hours: Monday – Friday 9:30-6:00, Saturday 9:30-3:00 Phone: 269-945-2963

LIGHT BULBS (FLUORESCENT)

Disposing of fluorescent light tubes and bulbs can be a problem because of their mercury content. Fluorescent bulbs should not be disposed of in the trash or landfill.

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department

Phone: 269 945-9516 ext. 3 then 5.

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5.

A Remedy for Residential Drug Disposal

Managing unused medications is a safety as well as an environmental concern. Traditionally, we were told to flush unwanted medications down the drain or toilet rather than keeping them around so they would not be misused by the patient for the wrong symptoms or by someone else who was not prescribed the medication an who might use the drugs recreationally. Although effective in removing the medication from potentially being misused, flushing creates new growing beneficial bacteria necessary for the system to operate. Wastewater treatment plants are not designed to remove tor process many compounds found in medications that end up being discharged into our surface and ground water. A study

by the United States Geological Survey done in 1999 showed that in 80% of the streams sampled contained detectable levels of compounds found in common medications. National attention is growing to develop more appropriate methods of safety disposing of unwanted medications.

What you can do:

Check your Pharmacy to see if they have a drug take back program. Some pharmacies are beginning to accept medications back from the public as a community service. Controlled substances (which are often prescription pain killers) can be accepted under special collection arrangements due to federal Drug Enforcement Agency regulations. Your pharmacy can help identify controlled substances, or see the controlled substances schedules and "drugs and chemicals of concern" at <u>www.deadiversion.usdoj.gov.</u>



Use the special collection for unused and expired drugs at the spring and fall Barry County Household Hazardous Waste Collection.

Controlled substances can only be accepted under special collection arrangements due to federal regulations. Keep medications secure from misuse when storing for an upcoming collection. Commonly collected products include:

- PRESCRIPTION AND OVER-THE-COUNTER MEDICATION INCLUDING COLD MEDICINES
- MEDICATION SAMPLES
- VITAMINS
- MEDICATED OINTMENTS AND LOTIONS
- INHALERS
- VETERINARY MEDICATIONS

Sharps Disposal

Sharps, including syringes, diabetes blood sample points and other sharp medical devices, should never be re-used. Sharps disposal containers can be purchased at your local pharmacy. Alternately, an empty liquid laundry detergent container, labeled as "Bio-Hazard" can be used. Place used sharps into the disposal container immediately after use. Bring filled and sealed containers to the Barry County Household Hazardous Waste Collection for disposal.



MERCURY

Barry County Household Hazardous Waste Collection Spring & Fall

Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5.

METAL

Scrap metals include, but are not limited to: aluminum, tin, iron/steel, stainless steel, copper, zinc, brass bronze, and other precious metals. The companies listed below will take various forms of scrap metal from businesses and individuals. It is recommended that you call first to determine what the company's requirements are prior to bringing them your scrap metal.

City of Hastings Recycling Center

1035 E. State Street, Hastings Phone: 269-945-2468

Dobbin's Auto Service

1847 E. M-79 Hwy, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-945-0191

Hope Township

5463 S. M-43 Hwy, Hastings Phone: 269-948-2464 * *Residents Only*

How can I prevent mercury spills?

Mercury-containing products should be replaced with safer alternatives. Mercury thermometers and blood pressure devices are available in electronic form. Mercury-containing items such as fluorescent bulbs and old electronics switches should be recycled instead of thrown into the household trash.

Mercury Thermometer Exchange Program

You can bring your glass tube mercury thermometers to either the Hastings or Charlotte offices of the Barry-Eaton District Health Department and they will give you a brand new digital thermometer **FREE OF CHARGE!**

<u>METAL</u>

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

Village of Nashville - Casgrove Road Station Saturdays Only Phone: 517-852-9544

Waste Management Landfill

1899 N. M-43 Hwy, Hastings Hours: Monday – Friday 8:00-3:30, Saturday 8:00-12:00 Phone: 269-945-2260

MOTOR OIL

In Michigan it is illegal to dump motor oil on the ground, down the drain or sewer, or into any surface waters or groundwaters. You can be fined up to \$1,000 (\$2,500 for a business) and/or sentenced to 90 days in jail if you illegally dispose of used motor oil in Michigan. Many locations throughout Barry County accept used motor oil.

Auto Zone

401 W. State Road, Hastings Hours: Monday – Saturday 8:00-9:00, Sunday 9:00-6:00 Phone: 269-721-8888

Barry County Household Hazardous Waste Collection Spring and Fall

Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5

Bill Seif

1435 Hanover Street, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-945-2425

Carlton Center

1908 E. M-43 Hwy, Hastings Hours: Monday – Friday 9:00-5:00 Phone: 269-945-5990

Hastings Pro Auto

229 N. Broadway, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2121



MOTOR OIL continued...

Hastings Quick Lube 815 W. State Street, Hastings Hours: Monday – Saturday 9:00-6:00 Phone: 269-948-9542

Maxi Muffler Plus

201 N. Broadway, Hastings Hours: Monday – Friday 7:30-5:00 Phone: 269-945-5888

Performance Plus

430 W. State Street, Hastings Hours: Monday – Friday 8:00-6:00, Saturday 8:00-3:00 Phone: 269-948-8558

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192



When used oil is dumped, it's a serious pollutant.

- In Michigan, an estimated 11 million gallons of used oil are dumped down sewers, in empty lots, in holes in the ground, on weeds and in landfills by people who change their own oil.
- Used motor oil contains toxic substances produced during engine use, such as lead, and from additive packages designed to improve engine performance. Dumping used oil sends oil and its contaminants into ground and surface waters.
- They can enter the food chain at many points and be carried into our food.
- One quart of oil will foul the taste of 250,000 gallons of water.
- One pint of used oil can create an acre-sized slick on surface water.
- Oil kills the floating organisms in fresh water that feed fish. Oil kills aquatic life.

But used motor oil can be recycled!

When used oil is recycled, it recovers a valuable resource.

- Used oil can be collected and rerefined. Rerefined oil is as good, or better, a lubricant than new oil.
- Out of a 42-gallon barrel of crude oil, one can get only 2 1/2 quarts of motor oil. It takes only one gallon of used oil to get the same 2 1/2 quarts.
- Used oil can be reprocessed. Utilities and industries use it to supplement other fuels and also to manufacture other petroleum products.

You can make a difference! If you change your own oil, don't dump it, recycle it!

OIL FILTERS

Performance Plus

430 W. State Street, Hastings Hours: Monday – Friday 8:00-6:00, Saturday 8:00-3:00 Phone: 269-948-8558

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192



PAINT AND SOLVENTS

Oil-based paints and solvent products used in automotive work, arts and crafts, beauty products, etc. should not be disposed of in the regular waste stream. Latex paint, however, can be put in the trash IF it is dried first. Dry latex paint by leaving it open or adding kitty litter to the can and reclosing it.

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5.

PACKING PEANUTS

Many packing, shipping and moving stores will take used peanuts. Just pack them up in (recycled) plastic bags, and drop them off next time you are nearby. Some peanuts are not made of plastic. If you find a peanut that looks like a cheese puff, try licking it. One type of peanut is made of vegetable starch, and dissolves almost instantly in water. These taste somewhat like rice cakes, and are just as safe in a compost bin. If you buy peanuts, strongly consider switching to this type. They're better for the environment, and much easier to get rid of.

Second Hand Corners

102 W. State Street Hastings Hours: Monday-Thursday 9:30-6:00, Friday 9:30-8:00, Saturday 9:30-7:00, Sunday 12:00-5:00 Phone: 269-945-5005

PAPER

Barry County Christian School

2999 McKeown Road, Hastings Phone: 269-948-2151

Boy Scouts

South of 650 S. Broadway, Middleville In parking lot next to Bushwhackers Nursery

City of Hastings Recycling Center

1035 E. State Street, Hastings Phone: 269-945-2468

First Baptist Church of Hastings

309 E. Woodlawn Avenue, Hastings Phone: 269-948-8004

First Baptist Church of Middleville

5215 N. M-37 Hwy, Hastings Phone: 269-795-9726

Free Methodist Church

2630 N. M-43 Hwy, Hastings Phone: 269-945-9121

Gilkey Transfer Station

2990 Osborne Road, Delton Hours: Friday 3:00-7:00, Saturday 9:00-5:00 Phone: 269-623-5171

Grace Lutheran Church

239 E. North Street, Hastings Phone: 269-945-9414

PAPER continued...

Hastings Area Schools

232 W. Grand Street, Hastings Phone: 269-948-4400

Orangeville Township Fire Dept.

Boulter Rd., Orangeville (269) 664-4522

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3094

St. Rose Catholic Church

707 S. Jefferson Street, Hastings Phone: 269-945-4266

Thornapple Valley Church

2750 M-43 Hwy, Hastings Phone: 269-948-2549

Thornapple Kellogg Schools

507 W. Main Street, Middleville 10375 Green Lake Road, Middleville Phone: 269-795-3313

Village of Nashville - Casgrove Road Station

Saturdays Only Phone: 517-852-9544

PESTICIDES

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5

Clean Sweep

Every Fall Contact Barry Conservation District Phone: 269-948-8056 ext. 114

DON'T P ON YOUR LAWN!

"P" stands for phosphorus—the most problematic pollutant in Michigan's watersheds. Phosphorus is a nutrient found in most lawn and garden fertilizers. When fertilizers run off from lawns and into lakes, they feed unsightly, smelly and potentially toxic algal blooms.

Make a Switch! It's easy for home owners and businesses to switch to **P-free** (phosphorus-free) lawn fertilizers to reduce urban sources of phosphorus. Doing so may help reduce algal growth in your favorite lake—and you can still have a beautiful lawn!

HEALTHY LAWN TIPS

Follow these easy tips for a beautiful green lawn, *not* a green lake! If you want to learn even more about creating healthier, lake-friendly lawns, check out the resources below.

FERTILIZE ...

- Only with **phosphorus-free** fertilizers. Most Michigan lawns have enough phosphorus (P) and only need nitrogen (N)!
- Apply fertilizer once/year—the best time for this region is early fall.
- Sweep up fertilizer from sidewalks and driveways. Don't fertilize before heavy rain.

LOOK FOR THE MIDDLE NUMBER...

• On fertilizer bags to see the N-P-K nutrient analysis. The middle number is the phosphate (phosphorus) content. A "zero" in the middle means it is phosphorus-free. Lawns rarely need extra potassium (K), but adding some does not affect water quality.

TAKE A SOIL TEST ...

• If you are seeding a new lawn, or want to learn more about your lawn's nutrient content, pH level and organic content.

WATER...

• If desired, in early morning, when there is less than 1 inch/week of rain. Grass will survive droughts without watering by going dormant.

PLANT GRASS SEED...

- On existing lawns in the fall and spring to out compete weeds.
- Use a grass mixture that does well in the setting (soil, light, activity).
- Leave legumes, such as common white clover, among the grass to add nitrogen, which will naturally fertilize your lawn.

MOW...

• To maintain a height of 3 to 4 inches and cut off no more than 1/3 of grass blade. Leave clippings on lawn to add nutrients and organic matter, but be sure to sweep the clippings off pavement.

WEEDS...

• Will be discouraged by following these healthy lawn tips! Just pull any that are left by hand.

GET TO KNOW YOUR PLASTICS

Plastic containers are generally coded on the bottom with a number in a triangle, as shown below. This code informs consumers of the makeup of the plastic and is also used to determine recyclability. Be sure you know the kinds of plastics your recycling station accepts and sort through your plastics before you drop them off.



Number 1 Plastics – PET or PETE (Polyethylene Terephthalate)

Ist Life: Soda, water and beer bottles; mouthwash bottles; peanut butter containers; salad dressing and vegetable oil containers; etc. Recycling: Picked up through most curbside recycling programs. *2nd Life:* Polar fleece fiber, tote bags, furniture, carpet, paneling, and occasionally made into new plastic containers.



Number 2 Plastics – HDPE (High Density Polyethylene) *Ist Life:* Milk jugs, juice bottles; bleach, detergent and household cleaner bottles; shampoo bottles; some trash and shopping bags; motor oil bottles; cereal box liners; etc.

Recycling: Picked up through most curbside recycling programs. *2nd Life:* Detergent bottles, recycling containers, floor tile, drainage pipe, benches, picnic tables, fencing.



Number 3 Plastics – PVC (Polyvinyl Chloride)

Ist Life: Window cleaner and detergent bottles, shampoo bottles, clear food packaging, wire jacketing, medical equipment, siding, windows, piping; etc.

Recycling: Rarely recycled because collecting it for recycling is cost-prohibitive. There are not enough items made from the material to warrant factories to recycle it into new products; however some plastic lumber makers will now accept it.

2nd Life: Decks, paneling, mud flaps, roadway gutters, flooring, cables, speed bumps, mats.



Number 4 Plastics – LDPE (Low Density Polyethylene) *1st Life:* Squeezable bottles; bread, dry cleaning and shopping bags; tote bags; carpet; etc.

Recycling: Rarely picked up through curbside programs, however some stores will accept plastic shopping bags for recycling.

2nd Life: Trash can liners and cans, compost bins, shipping envelopes, paneling, lumber, floor tile.

Continued on next page

GET TO KNOW YOUR PLASTICS (continued)



Number 5 Plastics – PP (Polypropylene)

Ist Life: Syrup bottles, ketchup bottles, caps, straws, medicine bottles, diapers; etc.

Recycling: Picked up through most curbside recycling programs. *2nd Life:* Battery cables, brooms, brushes, auto battery cases, ice scrapers, landscape borders, bicycle racks, rakes, bins



Number 6 Plastics – PS (Polystyrene)

1st Life: Disposable plates and cups, meat trays, egg cartons, carry-out containers, aspirin bottles, compact disc cases; etc. Recycling: Picked up through some curbside recycling programs. *2nd Life:* Insulation, light switch plates, egg cartons, vents, rulers, foam packing, carry-out containers



Number 7 Plastics – Other

Ist Life: 3 and 5 gallon water bottles, 'bullet-proof' materials, sunglasses, DVDs, iPod and computer cases, signs and displays, nylon; etc.

Recycling: Not traditionally recycled, however some curbside programs now take them.

2nd Life: Plastic lumber, custom-made products

PLASTICS continued...

City of Hastings Recycling Center

1035 E. State Street, Hastings Phone: 269-945-2468

Gilkey Transfer Station

2990 Osborne Road, Delton Hours: Friday 3:00-7:00, Saturday 9:00-3:00 Phone: 269-623-5171

Hope Township

5463 S. M-43 Hwy, Hastings Phone: 269-948-2464 * Residents Only

Orangeville Township Fire Dept.

Boulter Rd., Orangeville (269) 664-4522

PLASTICS continued...

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3094

Village of Nashville - Casgrove Road Station

Saturdays Only Phone: 517-852-9544

Waste Management Landfill

1899 N. M-43 Hwy, Hastings Hours: Monday – Friday 8:00-3:30, Saturday 8:00-12:00 Phone: 269-945-2260

Yankee Springs Township

284 N. Briggs Road, Middleville Phone: 269-795-9091

PLASTIC GROCERY BAGS

Today's trend is to replace disposable plastic shopping bags with re-useable cloth alternatives. Many stores carry these "re-bags" at a low cost, and some even offer cash discounts when you use your own bags. If you're stuck with lots of plastic shopping bags, try to re-use them when possible. Otherwise, take them in to be recycled.

Second Hand Corners

102 W. State Street, Hastings Hours: Monday-Thursday 9:30-6:00, Friday 9:30-8:00, Saturday 9:30-7:00, Sunday 12:00-5:00 Phone: 269-945-5005

POP BOTTLES

Charity House 1035 E. State Street, Hastings

First Baptist Church of Hastings 309 E. Woodlawn Avenue, Hastings Phone: 269-948-8004



PROPANE

Propane is a flammable compressed gas. It is heavier than air and will tend to settle in low areas. Propane is odorized to warn of its presence should a leak occur. Leaking propane may cause a fire or explosion if ignited. All safety instructions should be read and followed when using, transporting and storing propane. Most 20 to 420 pound propane cylinders are certified for 12 years. After 12 years a cylinder must be recertified, if possible, or disposed of properly.

PROPANE

AltoGas

6040 Alden Nash Avenue, Alto Hours: Monday – Friday 8:00-4:00 Phone: 616-868-6242

Daval's Used Furniture

2084 W. M-43 Hwy., Hastings Phone: 269-948-2463

Ferrellgas

2145 M-43 Hwy., Hastings Phone: 800-820-1334



RADIOS

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3094

<u>RADON</u>

What is Radon?

Radon is a naturally occurring colorless and odorless gas derived from the radioactive decay of the element radium. As radium disintegrates in bedrock and soils, it emits radioactive gas (radon) which permeates through the ground to the surface where it diffuses into the atmosphere. Outdoors it is diluted to levels that offer relatively no health risk. However, if there is a strong enough radium source nearby and it is allowed to enter the interior of a home through common entry points in the basement, crawlspace, or slap foundation; then it can accumulate to higher levels, posing an increased health risk to those exposed.

How is Radon a health risk?

Long term exposure to elevated radon levels increases a person's risks of developing radoninduced lung cancer; in addition, if you're a past or present smoker, your risk of developing radon induced lung cancer is even greater. Radon is our nation's second leading cause of lung cancer, and is the leading cause among non-smokers. Radon exposure is estimated to be responsible for thousand of deaths each year. Common entry points include: raw earth floors and crawlspaces, cracked or porous walls and floors, hollow cavities inside walls, floor and wall joints, floor drains, sump pits, annular spaces around piping, duct work, and wiring in walls and floors.

What can you do to determine if Radon exists in your home?

Since you cannot see, smell, or taste radon gas, the only way you can detect it is by testing. Two common of in-home radon testing devices readily available through the Barry-Eaton District Health Department are Charcoal Canisters, for short-term screening measurements (4-7 days) and Alpha Track Detectors, for long-term follow-up measurements (90-365 days). Both of theses easy to use, passive devices are exposed to the air in a home for a specified period of time, then resealed and mailed to a testing laboratory for analysis. During Radon Action Month (RAM), which is the month of January, short-term test kits are free.

RADON TESTING

Barry/Eaton District Health Department Phone: 269-945-9516 ext. 3 then 5

TIN (ALUMINUM)

City of Hastings Recycling Center 1035 E. State Street, Hastings Phone: 269-945-2468

Gilkey Transfer Station

2990 Osborne Road, Delton Hours: Friday 3:00-7:00, Saturday 9:00-5:00 Phone: 269-623-5171

Hope Township

5463 S. M-43 Hwy, Hastings Phone: 269-948-2464 * *Residents Only*

Orangeville Township Fire Dept.

Boulter Rd., Orangeville (269) 664-4522

Waste Management

1899 N. M-43 Hwy, Hastings Hours: Monday – Friday 8:00-3:30, Saturday 8:00-12:00 Phone: 269-945-2260

TIRES

Barry County Household Hazardous Waste Collection Spring & Fall Contact Barry-Eaton District Health Department Phone: 269 945-9516 ext. 3 then 5 * *Charge*

Dobbin's Auto Service

1847 E. M-79 Hwy, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-945-0191 * *Charge*



TIRES continued...

Maxi Muffler Plus

201 N. Broadway, Hastings Hours: Monday – Friday 7:30-5:00 Phone: 269-945-5888 * *Charge*

Tires 2000

500 Arlington Court, Middleville Hours: Monday – Thursday 8:00-5:30, Fridays 8:00-5:00, Saturdays 8:00-1:00 Phone: 269-795-3550 * *Charge*

Wilder's Auto Service

1510 Star School Road, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-948-2192

TRANSMISSION OIL

Auto Zone

401 W. State Street, Hastings Hours: Monday – Saturday 8:00-9:00, Sunday 9:00-6:00 Phone: 269-948-8594

Bill Seif

1435 Hanover Street, Hastings Hours: Monday – Friday 8:00-5:00 Phone: 269-945-2425

TV'S AND VCR'S

Goodwill

2542 M-43 Hwy, Hastings Hours: Monday-Saturday 9:30-8:00; Sunday 12:00-5:00 Phone: 269-945-6252 **sellable items only*

Padnos, Louis Iron & Metal Co.

519 Railroad Street, Hastings Hours: Monday-Friday 8:00-4:00; closed at noon. Phone: 269-945-3054

Don't throw away a good thing.

Waste Haulers & Curbside Recycling (Residential)

Jim's Pickup Service – 269-948-9206 Green Valley Disposal Svc. – 616-647-1400 Sherrod's Refuse Service – 269-721-9031 Sunny Bay Disposal – 269-964-7400 Les's Sanitary Service – 269-945-3134 Waste Management – 269-969-7530 Republic Waste Service – 269-373-4070 Allied Waste Industries Inc. – 269-216-8010



BARRY CONSERVATION DISTRICT

1611 S. Hanover St Hastings, MI 49058 Phone: 269-948-8056 ext. 3

BARRY COUNTY SOLID WASTE OVERSIGHT COMMITTEE

330 W. Woodlawn Ave. Hastings, MI 49058 Phone: 269-945-9516

BARRY-EATON DISTRICT HEALTH DEPARTMENT

330 W. Woodlawn Ave. Hastings, MI 49058 Phone: 269-945-9516

DRAIN COMMISSIONER

220 W. State St. Hastings, MI 49058 Phone: 269-948-4879

MICHIGAN DEPARTMENT OF AGRICULTURE

P.O. Box 30017 Lansing, MI 48909 Phone: 517-241-0236

MICHIGAN DEPARTMENT OF COMMUNITY HEALTH

201 Townsend St. Lansing, MI 48913 Phone: 517-373-3740

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

525 W. Allegan St. P.O. Box 30473 Lansing, MI 48909 Phone: 1-800-292-4706

MICHIGAN DEPARTMENT OF NATURAL RESOURCES FISHERIES DIVISION

621 N. 10th Street Plainwell, MI 49080 Phone : (269) 685-6851

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

Barry Game Management Division 1805 Yankee Springs Rd. Middleville, MI 49333 Phone: (269) 795-3280

MICHIGAN ENVIRONMENTAL COUNCIL

119 Pere Marquette Dr. #2A Lansing, MI 48912 Phone: 517-487-9539

MICHIGAN GROUNDWATER STEWARDSHIP PROGRAM

1611 S. Hanover St. Hastings, MI 49058 Phone: Barry Conservation District: 269-948-8056 ext. 3

MICHIGAN STATE UNIVERSITY EXTENSION

206 W. Court St. Hastings, MI 49058 Phone: 269-945-1388

NATURAL RESOURCES CONSERVATION SERVICE (NRCS)

1611 S. Hanover St. Hastings, MI 49058 Phone: Michigan office: 517-324-5270 Hastings office: 269-948-8056 ext. 3

WEST MICHIGAN ENVIRONMENTAL ACTION COUNCIL

1007 Lake Dr. SE Grand Rapids, MI 49506 Phone: 269-451-3051 www.wmeac.org

BARRY COUNTY HOUSEHOLD HAZARDOUS WASTE

330 W. Woodlawn Ave. Hastings, MI 49058