



ANNE ARUNDEL COUNTY
Department of Public Works
Waste Management Services

DATE: January 22, 2013
TO: John Robert Ray, Fire Chief, Anne Arundel County
FROM: James Pittman, Deputy Director
SUBJECT: Acceptance of Hand-held Signal Flares as a Household Hazardous Waste

This memorandum is to inform you that effective April 13, 2013, hand-held signal flares will be accepted from County residents during the Bureau of Waste Management Service's (WMS) Household Hazardous Waste (HHW) events held at various times throughout the year.

It is our understanding that there are two categories of signal flares commonly used by the public: hand-held and aerial types. Examples of hand-held signal flares include emergency road flares, smoke flares, and hand-held boat flares. This type of flare can now be accepted at HHW events for proper disposal within the provisions of the HHW disposal contract.

However, aerial signal flares cannot be accepted at HHW events. Aerial flares, which are typically fired into the air creating a bright spectacle that can illuminate a large area and attract the attention of rescue craft, are categorized as a Class 1 explosive by the U.S. Department of Transportation. Class 1 explosives require special packaging and must be shipped to an explosives treatment facility utilizing a specific mode of transportation. Our current HHW vendor cannot package and ship the aerial flares during the day of our HHW events and WMS is not equipped to safely store explosive materials.

For your information, the vendor has the capability to provide the special packaging and transportation required for proper aerial flare disposal, different from the normal HHW service provided to WMS. However, you should know that there is a minimum quantity of 1,000 lbs at a cost of \$3,000 per shipment

Please feel free to contact me if you have any questions.

CC: John Hammond
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Telephone 410-222-7951 * Mail Stop 7406 * FAX 410-222-4484

Website: www.aacounty.org/DPW/WasteManagement/

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2014

DEPARTMENT OF PUBLIC WORKS HOUSEHOLD HAZARDOUS WASTE DROP-OFF DAY SCHEDULE

Hours: 8 am to 2 pm

Date	Location
04-12-14	Millersville Landfill & Resource Recovery Facility 389 Burns Crossing Road, Severn
05-10-14	Southern Recycling Center 5400 Nutwell Sudley Road, Deale
06-21-14	Northern Recycling Center 100 Dover Road, Glen Burnie
07-19-14	Millersville Landfill & Resource Recovery Facility 389 Burns Crossing Road, Severn
09-20-14	Southern Recycling Center 5400 Nutwell Sudley Road, Deale
10-18-14	Northern Recycling Center 100 Dover Road, Glen Burnie

For questions and comments on household hazardous waste drop-off days call 410-222-7951, or visit our website: www.aacounty.org/DPW/WasteManagement.



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Household Hazardous Waste Alternatives

Instead of this:	You can use this:
Household Cleaner	Combine 1 tsp liquid soap, 1 tsp borax, 1 squeeze of lemon, and 1 qt warm water.
Window Cleaner	Combine 2 tsp vinegar with 1 qt warm water.
Disinfectant	Combine 1/4 cup borax with 1/2 gallon hot water.
Drain Cleaner	Pour 1/2 cup borax in drain followed by 2 cups boiling water.
Toilet Cleaner	Pour 1/4 cup baking soda into bowl and drizzle with vinegar. Let sit for 1/2 hour. Scrub and flush.
Mildew Remover	Dissolve 1/2 cup vinegar with 1/2 cup borax in warm water.
Carpet Cleaner	Sprinkle cornstarch or baking soda on dry rug and vacuum.
Furniture Polish	Mix two parts olive/vegetable oil to one part lemon juice. Apply mixture and let stand for several hours. Polish with dry, soft cloth.
Silver Polish	Soak items in 1 qt warm water mixed with 1 tsp baking soda, 1 tsp salt and a small piece of aluminium foil.

Facility Directions

GLEN BURNIE



Take Route 2 to Dover Road (1 block south of Glen Burnie Mall). The facility is located at the end of Dover Road.

MILLERSVILLE



From Route 32 West, take the Burns Crossing Road exit. Turn right at the first traffic light onto Burns Crossing Road. Travel 1/4 mile to another traffic light at Pascal Blvd. This is the entrance to the landfill.

DEALE



Take Route 2 toward Route 258. Turn onto Route 258 (East Bay Front Road). Travel 3/4 of a mile and turn left onto Nutwell Sudley Road. The facility is located on the left.



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Anne Arundel County

Household Hazardous Waste



ONLY Accepted During Events

Schedule available online at

www.aacounty.org/DPW/WasteManagement
or call 410-222-7951

GLEN BURNIE

Northern Recycling Center
100 Dover Rd., Glen Burnie
(near the Glen Burnie Mall)

MILLERSVILLE

Millersville Landfill &
Resource Recovery Facility
389 Burns Crossing Rd., Severn
(off Route 32)

DEALE

Southern Recycling Center
5400 Nutwell Sudley Rd., Deale
(Route 2 South to Route 258
East to Nutwell Sudley Rd.)

Anne Arundel County Residents ONLY
Proof of Residency Required

NO COMMERCIAL VEHICLES
OR COMMERCIAL WASTE



Did You Know?

- Americans generate 1.6 million tons of household hazardous waste (HHW) per year.
- The average home can accumulate as much as 100 pounds of HHW in the basement, garage and other storage areas.
- In 2012, Anne Arundel County paid \$200,000 to dispose of HHW received from residents.

You Can Help Reduce Your HHW Disposal Costs



Reduce Your HHW

The best way to deal with HHW is to avoid creating it. The following tips can help you do just that.

- Purchase Less.** Buy only the amount you need, even if a larger container offers a price discount.
- Use it up.** Use up all of the products you have before you buy any more. Most products do not expire.
- Give it away.** Find someone or any charity that can use your excess material.
- Simplify.** Use multi-purpose cleaners rather than having a full collection of specialized products.
- Use safer alternatives.** Buy less-toxic alternatives. Avoid the ones with the words "poison" or "danger" on the label. These safer items can be found in your local grocery store.

Disposing of Household Hazardous Products Safely



Household Hazardous Waste Drop-off Days provide opportunities for County residents to safely dispose of products containing harmful chemicals.

Items accepted include:

- Oil-based paints & staining agents
- Paint solvents
- Pesticides
- Household & automotive cleaners
- Oil and antifreeze contaminated with water or other products
- Pool chemicals
- Gasoline, Kerosene & other fuels
- Hand-held signal, smoke & roadside flares
- **AERIAL & PARACHUTE FLARES ARE NOT ACCEPTED**
- Asbestos / Asbestos shingles & tiles
- **MUST BE WETTED AND DOUBLE-BAGGED.**
- **LIMIT = FOUR 40 lb. BAGS per RESIDENT per EVENT.**

Special Notes:

- Alkaline batteries (A,C,D) may be disposed of in your regular trash.
- NiCad (rechargeable), camera and watch batteries may be recycled at any convenience center year round.



Mercury

Mercury is a silver colored, heavy metal that can change from a liquid to a gas. Mercury has many uses, but it can also be harmful to humans and wildlife.

The following mercury containing items are accepted:

- Thermometers
- Thermostats
- Button batteries
- Fluorescent light tubes
- Mercury vapor lamps



Safety Tips

Please follow these tips for quick and safe disposal:

- Read labels for safe handling instructions.
- Keep products in their original containers.
- Place several small containers together in a non-returnable box for quicker processing.
- Do not mix products.



Cooking Oil and Latex Paint

If you have no future use for your excess **latex paint**, please **give it to a friend** or **donate it** to a local charity.

Cooking oil and latex paint are not accepted curbside for disposal. They are not hazardous and are accepted for disposal at all convenience centers. For disposal, please seal the liquid in its original container and bring the sealed container(s) to any convenience center year round. **Do not mix** oil with paint.



Items Not Accepted

Medical Waste – Properly packaged needles and expired medications are accepted as trash curbside and at any recycling center year round from **residential customers ONLY**.

Compressed Gas Tanks – Contact the supplier or manufacturer.

Explosives – Call Anne Arundel County Fire Marshal Division at 410-222-7884 for assistance.

Ammunition – Call Anne Arundel County Police Department at 410-222-8610 for assistance.

Smoke Detectors – Mail back to the manufacturer or accepted as trash curbside and at any recycling center year round.

Fire Extinguishers – Contact the supplier or manufacturer.



How Much of All Hazardous Material is Recoverable?



Over half of all hazardous materials accepted are recycled. Other hazardous materials that are dropped off are either disposed of in hazardous waste landfills or incinerators. These services are provided by a private company under contract to the County.



Moving?

Most moving companies will not transport oil-based paint, solvents, pesticides, weed killers, combustibles, or other hazardous materials. Be sure to plan ahead and visit us at one of the locations and dates listed on the front of this brochure.

For more information call **410-222-7951** or visit www.aacounty.org/DPW/WasteManagement



Hazardous Waste Facts and History

Anne Arundel County began collecting household hazardous waste in 1988. Since then, the program has served over **64,062** customers, removing **5,427,036** pounds of toxic chemicals and household/boating products from the waste stream.

Unless used or disposed according to directions, household chemicals present a threat to the environment. Special handling is required for proper disposal.

In the past, common home, garden and automotive products were tossed into the household trash and buried in landfills. However, we now know this presents an increased threat to the surface and ground water that we drink.

As rain percolates through a landfill, it picks up and carries with it traces of chemicals in the layers of trash. Eventually, both the rain and the chemicals could reach public and private drinking supplies and other bodies of water.

New disposal areas at the Millersville landfill, called "cells," are double-lined and include a system that collects any liquids which may pass through the first liner. This liquid is removed, treated, and disposed of at a County water reclamation facility.

When full, cells are "capped" in order to prevent rain from soaking in. Despite these advances in landfill management, it is still important that the waste stream be detoxified. We rely on programs like the Household Hazardous Waste Drop-off Day and your cooperation to make this happen.

Individuals needing special accommodations should contact the Recycling Division at least seven (7) working days prior to the Household Hazardous Waste Drop-off Day at 410-222-7951, or the Maryland Relay Service at 711.