



Mercury Management

Recent Events



- **Bowling Green Program Recently ended**
 - BGSU managed mercury from public sector at no charge
 - Ohio EPA field staff transported to BGSU for no charge
 - Various Counties, SWMDs, EMAs, others participated
 - Informal network of public sector entities involved
- **Looking for options to succeed BGSU program**
- **EPA Evaluating Role in response & transportation**

Mercury Management



- Mercury found in a wide variety of items
 - Thermometers, thermostats, barometers, blood-pressure cuffs, many other things
 - Many of them “legacy” products
- Management options often depends on item type, amount of mercury, condition of item

Mercury Management



- Ohio EPA working on Mercury Management Guidance Document
 - Somewhat similar to Pharmaceutical Guidance
- Matt Hittle Sent Email w/ list of available options (1/14/11)
- Today
 - Review known available options (per email)
 - Explore possibilities for elemental mercury

Mercury Management



- Categories
 - CFLs
 - Thermostats
 - Thermometers and other small, intact devices
 - Elemental mercury
 - Everything else

CFLs



- Lowes
 - http://media.lowes.com/article_display.cfm?article_id=3000
- Home Depot
 - <http://www6.homedepot.com/ecoptions/>
- Menards
- Ikea

Thermostats



- **Thermostat Recycling Corp**
 - NFP established by industry (Honeywell)
 - Designed as simple mail-back system for HVAC professionals
 - Also available for HHW collectors
 - ✦ SWMDs (and others) qualify, even if this the only item they collect

Thermostats



- \$25 one-time fee
- 5-gallon, sealed bucket
- Pre-paid shipping
- <http://www.thermostat-recycle.org/pages/sign-up>

Thermometers

(and Other Small Devices)



- Several Mail-back Options
- See Ohio EPA Web site
 - <http://www.epa.ohio.gov/ocapp/Recycle.aspx>

Highlight two:

- Waste Management
- Veolia

WM Mercury Tracker



LampTracker™

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MercuryTracker™

MercuryTracker containers make it possible to safely recycle electrical devices such as thermostats and medical devices such as thermometers in compliance with federal and state universal waste regulations.

Recycling package includes:

- Resealable Mercury VaporLok® bag
- Bucket with locking lid
- Prepaid return shipping label
- Emailed recycling certificate of compliance with federal and state universal waste regulations
- Online records management

Maximum net 1 lb elemental mercury per container.

In the States of KS, NM, SC, & WY MercuryTracker can only be used for thermostats.

Step 1. Select Container and Add to Cart

MercuryTracker

VMH - 1/2 gallon bucket \$79.95 Qty:

Capacity: max 1 lb mercury in assorted devices
Dimensions: 6"ht x 5"min diameter

[ADD TO CART](#)

VM1 - 1 gallon bucket \$89.95 Qty:

Capacity: max 1 lb mercury in assorted devices
Dimensions: 6.75"ht x 6.75"min diameter

[ADD TO CART](#)

VM3 - 3 1/2 gallon bucket \$129.95 Qty:

Capacity: max 1 lb mercury in assorted devices
Dimensions: 9.25"ht x 10.5"min diameter

[ADD TO CART](#)

VM5 - 5 gallon bucket \$149.95 Qty:

Capacity: max net 1 lb mercury in assorted devices
Dimensions: 13.25"ht x 10.25"min diameter

[ADD TO CART](#)

VMA - 5 gallon bucket \$149.95 Qty:

Capacity: max net 1 lb mercury in assorted auto switch assemblies
Dimensions: 13.25"ht x 10.25"min diameter

[ADD TO CART](#)

DAJ - Plastic jar \$79.95 Qty:

Capacity: 400 auto switch pellets
Dimensions: 6"ht x 3" diameter

[ADD TO CART](#)

Step 2. Review Cart and Check Out

Your Shopping Cart is Empty

We offer environmentally friendly, safe and simple recycling solutions for:

- [Fluorescent Lamps](#)
- [Dry Cell Batteries](#)
- [Lighting Ballasts](#)
- [Mercury Devices](#)
- [Dental Amalgam](#)
- [Computers and Electronics](#)
- [Bottles, Cans, and Paper](#)
- [Plastic Bag and Shrink Wrap](#)
- [Aerosol Cans](#)
- [Printer Cartridges](#)

Carbon Neutral Shipping

Rest assured knowing that every purchased LampTracker mail-back kit will be carbon neutral.

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LIVE CHAT

BUY NOW!



Order Your RecyclePak® Containers Today

Choose the Waste Type You Want to Recycle

[ALL](#) | [DENTAL WASTE](#) | [MERCURY DEVICES](#) | [ELECTRONICS](#) | [BATTERIES](#) | [BALLAST](#) | [LAMPS](#)

Then Select Your Items



SUPPLY066- 1 GAL MERCURY DEVICE RECYCLING PAIL

UN rated and DOT approved RecyclePak® 1-gallon pail with Life Latch® lid holds upto 13 lbs of mercury containing devices. Total weight of mercury in container must not exceed 1 lb. CONTAINER MUST BE PLACED INSIDE A BOX PRIOR TO RETURN SHIPPING. Price includes a poly liner, instructions, terms and conditions, return shipping box and a prepaid return shipping label. Not available in the states of Alaska, Hawaii or Puerto Rico. Can only be used for thermostats in WY. [More >](#)

Cost per Pail is \$79.95 pcs [Add to Cart](#)



SUPPLY049- 5 GAL UW MERCURY DEVICES RECYCLING PAIL

UN rated and DOT approved 5-gallon RecyclePak® pail with Life Latch® lid holds upto 66 lbs of mercury containing devices. Total weight of mercury in container must not exceed 1 lb. Price includes a poly liner, instructions, terms and conditions and a prepaid return shipping label. Not available in the states of Alaska, Hawaii or Puerto Rico. Can only be used for thermostats in WY. [More >](#)

Cost per Pail is \$149.95 pcs [Add to Cart](#)

Total \$ 0.00

Review and Checkout

[Review & Checkout >>](#)

Add Sharps+Pak® Containers
for regulated medical waste sharps to your order.

[Add to My Order](#)



Visit recycleabulb.com

to locate a return center to recycle consumer CFLs.

[Visit Site](#)



Click to Download

our fax order form, brochures and catalog.

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Our Support Center

Address:

N. 936 Craftsmen Drive,
Unit B
Greenville, WI 54942
Tel: (920) 757 5265
Fax: (920) 757 5485
Toll-free: (888) 669-9725

Hours of Operation:

Mon-Fri-8am-5pm CST

Current Ship Time:

Within 48 hours

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Elemental Mercury



- Trickiest to deal with by far
- “Mason jar in the basement” phone call
- Some devices are not sealed (barometers)
 - Mercury containing product may need to be handled as elemental mercury

Elemental Mercury



Responding to Elemental Mercury Call

Option One: HHW Collection Facility or Event

- Permanent HHW Collection Facility
- Temporary HHW Event
 - Inexpensive to add mercury (if previously using BGSU)
 - Downside
 - ✦ Resident has to hold onto mercury until event occurs

Elemental Mercury



Responding to Elemental Mercury Call

Option Two: Recommend they call a HW Contractor

- Safest, least liability, hands-off response
- Probably cost resident a couple hundred dollars
- Better than a clean-up cost of thousands
- Not very likely that they're going to do it (or be happy with the answer)

Elemental Mercury



Responding to Elemental Mercury Call

Option Three: Act as Temporary Storage Site

- SWMD, HD, EMA, other Acts as Temporary Storage Site
 - Hire Contractor to periodically retrieve and transport
 - Essentially what some SWMDs, EMAs, HDs, Ohio EPA District Offices have done in past w/ BGSU program
 - Fairly Simple
 - Some risks (spills)
 - Training and care needed

Elemental Mercury



Responding to Elemental Mercury Call

Option Three: Act as Temporary Storage Site

- SWMD, HD, EMA, Temporary Storage Site
 - \$250 - \$500 per HW contractor pick-up?

- If this is of interest
 - Ohio EPA could possibly:
 - ✦ Continue research (OSHA requirements)
 - ✦ Coordinate training
 - ✦ Develop Guidance Document

MERCURY
Storage Area

Keep Gate Locked





Elemental Mercury



Responding to Elemental Mercury Call

Option Four: Contract for Residential Pick-up?

- SWMD(s) Could Contract w/ Haz Waste Contractor to Retrieve from residents
 - Annual contract
 - Fixed price per call or clearly defined cost (depending on type, quantity, distance)
 - Response time specified
 - \$250 - \$500 per pick-up?

Elemental Mercury



Responding to Elemental Mercury Call

Option Four: Contract for Residential Pick-up?

- EPA Role?
 - Facilitate initial discussions w/ contractors?

Elemental Mercury



- Open Discussion & Idea Generation

Mercury Management



- Categories
 - CFLs
 - Thermostats
 - Thermometers and other small, intact devices
 - Elemental mercury
 - **Everything else**
- There are a lot of weird “everything else” items out there
 - Medical devices
 - Scientific/measurement devices
 - Novelties
- Case-by-case evaluation & management

Other Useful Information



- In case of a SPILL contact the Ohio EPA spill hotline at 1-800-282-9378
- For a list of mercury containing products and more information on the health effects of mercury, refer to the *Mercury in the Household* factsheet:
http://www.epa.ohio.gov/portals/41/p2/mercury_pbt/mercur.pdf
- Mercury Reduction Webpage:
http://www.epa.ohio.gov/ocapp/p2/mercury_pbt/mercury.aspx
- CFL Consumer Info, including what do with a broken bulb:
http://www.epa.ohio.gov/portals/47/facts/cfl_consumer_info.pdf