

Avoiding Ohio EPA Violations: Proper Management of Fluorescent Bulbs, Batteries, Electronics and Aerosol Cans

Dan Sowry

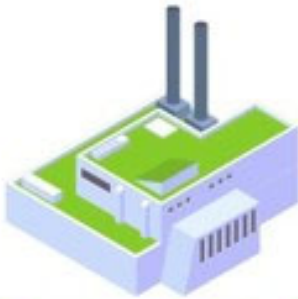
**Office of Compliance Assistance & Pollution Prevention
Division of Environmental & Financial Assistance**

March 17th, 2021

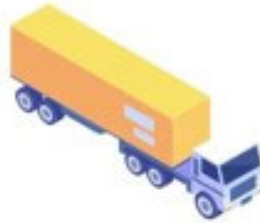


Hazardous Waste

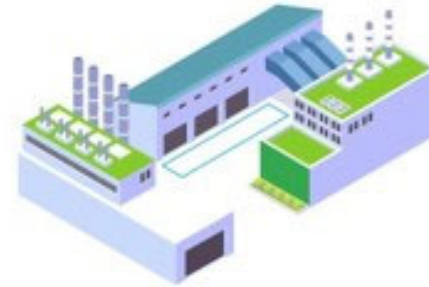
“Cradle-to-Grave” Management



Generator




Transporter



Treatment
Storage
Disposal
Facility

Every Business Must Determine if Each Type of Waste is Hazardous or Not

If non-hazardous  recycle or put in dumpster.

If hazardous  recycle or store for pickup by hazardous waste transporter.

Ohio EPA commonly cites businesses for failing to determine if wastes are hazardous – automatic enforcement referral if hazardous waste found in trash.

Managing your waste: It's all about the trash.



Don't throw any waste into the trash unless you have confirmed **and** demonstrated that it is **NOT** a hazardous waste.

Common Waste Streams

- Electronics
- Fluorescent Light Bulbs
- Used Batteries
- Aerosol Cans



Electronics

Management options:

- **Recycle** (Best Option)
 - Free recycling drop-off locations
 - epa.ohio.gov/ocapp/recycling
- **Disposal**
 - Usually hazardous for lead
 - If hazardous - must go to permitted hazardous waste facility
 - If non-hazardous and you have documentation to prove it, can go in dumpster (not recommended)



Universal Waste Rules

- Subset of hazardous waste rules
- Intended to promote recycling by reducing regulatory requirements
- 7 waste streams (3 recently added)
 - 1) Mercury containing devices
 - 2) Recalled or suspended pesticides
 - 3) Aerosol cans **NEW**
 - 4) Antifreeze **NEW**
 - 5) Paint and paint-related waste (includes inks) **NEW**
 - 6) Fluorescent lights (including LEDs)
 - 7) Batteries
- May reduce your RCRA requirements

Fluorescent Lights (including LEDs)

Management options:

- **Recycle** (Best Option)
 - Manage as Universal Waste
 - Put back in same box (keep flaps closed)
 - Date and label as “Universal Waste Lamps”
 - Contact permitted hazardous waste facility for pick up
- **Disposal**
 - Must evaluate
 - Usually hazardous for mercury and other heavy metals
 - If hazardous, must go to permitted hazardous waste facility
 - If non-hazardous and you have documentation to prove it, can go in dumpster (not recommended)

Do not recommend crushing



Managing your waste: It's all about the trash.



Don't throw any waste into the trash unless you have confirmed **and** demonstrated that it is **NOT** a hazardous waste.

Used Batteries

Management options:

- Recycle
 - Manage as Universal Waste
 - Date & label storage area “Universal Waste Batteries”
 - Contact recycler for pick up
 - Manage under Lead Acid Battery Rule
 - Exchange with battery supplier



Aerosol Cans

Management options:

- **Recycle (Best Option!!!)**
 - Recycle contents and can
 - If paint, can manage as universal waste
- **Manage as universal waste**
 - Allows other handlers to collect, crush, and puncture
 - Allows satellite accumulation (only allowed for aerosol cans)
 - Date and label container
 - Can store onsite up to 1 year
 - Doesn't count towards hazardous waste generator monthly category (VSQG, SQG or LQG)
 - Contact permitted hazardous waste facility for pickup





Office of Compliance Assistance and Pollution Prevention

- Provides free and confidential environmental assistance
- Assists businesses
- Identifies pollution prevention measures to save \$\$\$ and avoid regulations
- Recognizes sustainability efforts
- Provides \$\$\$ for recycling projects and equipment

Provide

Provide regulatory technical assistance via phone, chat, or email

- Held in strict confidence and not subject to public records!!!

Help

Help complete and submit permit applications and reports

Develop

Develop and help maintain on-site records

What OCAPP Can Do for You

Fund

- Provide grant recycling \$\$\$
- \$4-5 million-dollar annual fund!!!

Conduct

- Conduct free virtual compliance, recycling and waste reduction visits
- Held in strict confidence and not subject to public records!!!

Recognize

- Recognize your efforts through our Encouraging Environmental Excellence (E3) program



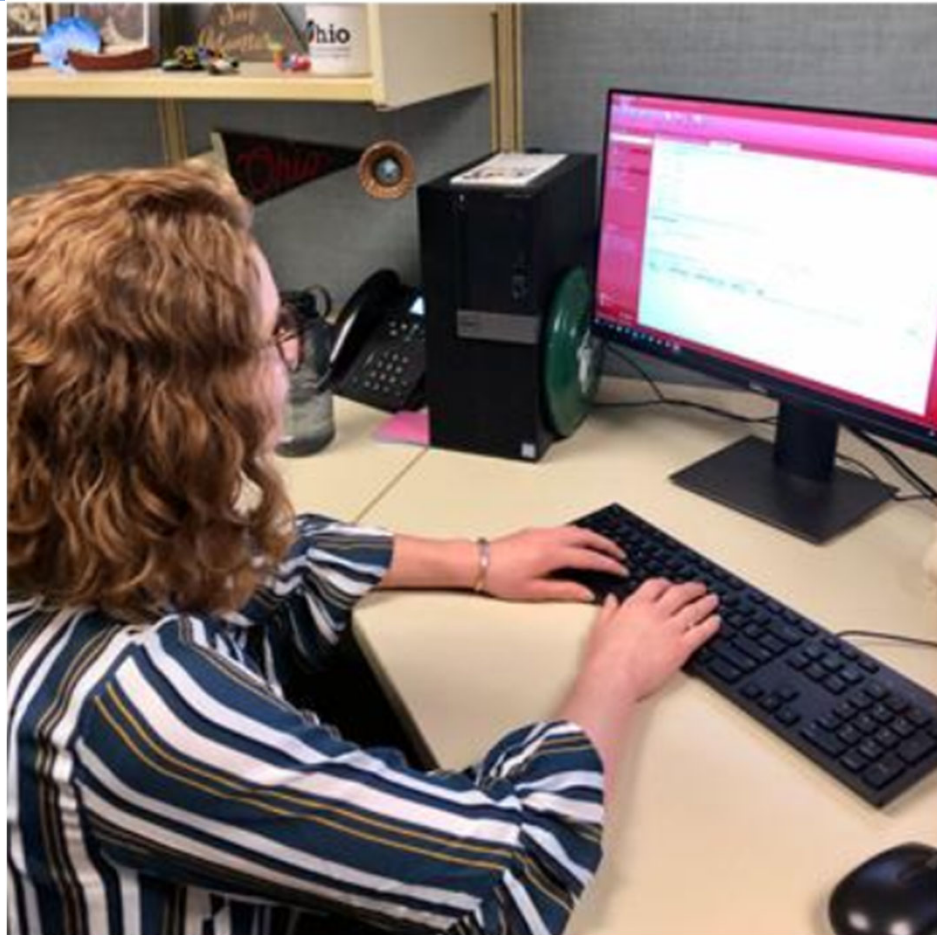
How to request confidential assistance...



Ask an Expert
about permitting
and regulations

- **Confidential hotline
(800) 329-7518**
- **Confidential chat
feature**
- **8:00-5:00
Monday-Friday**





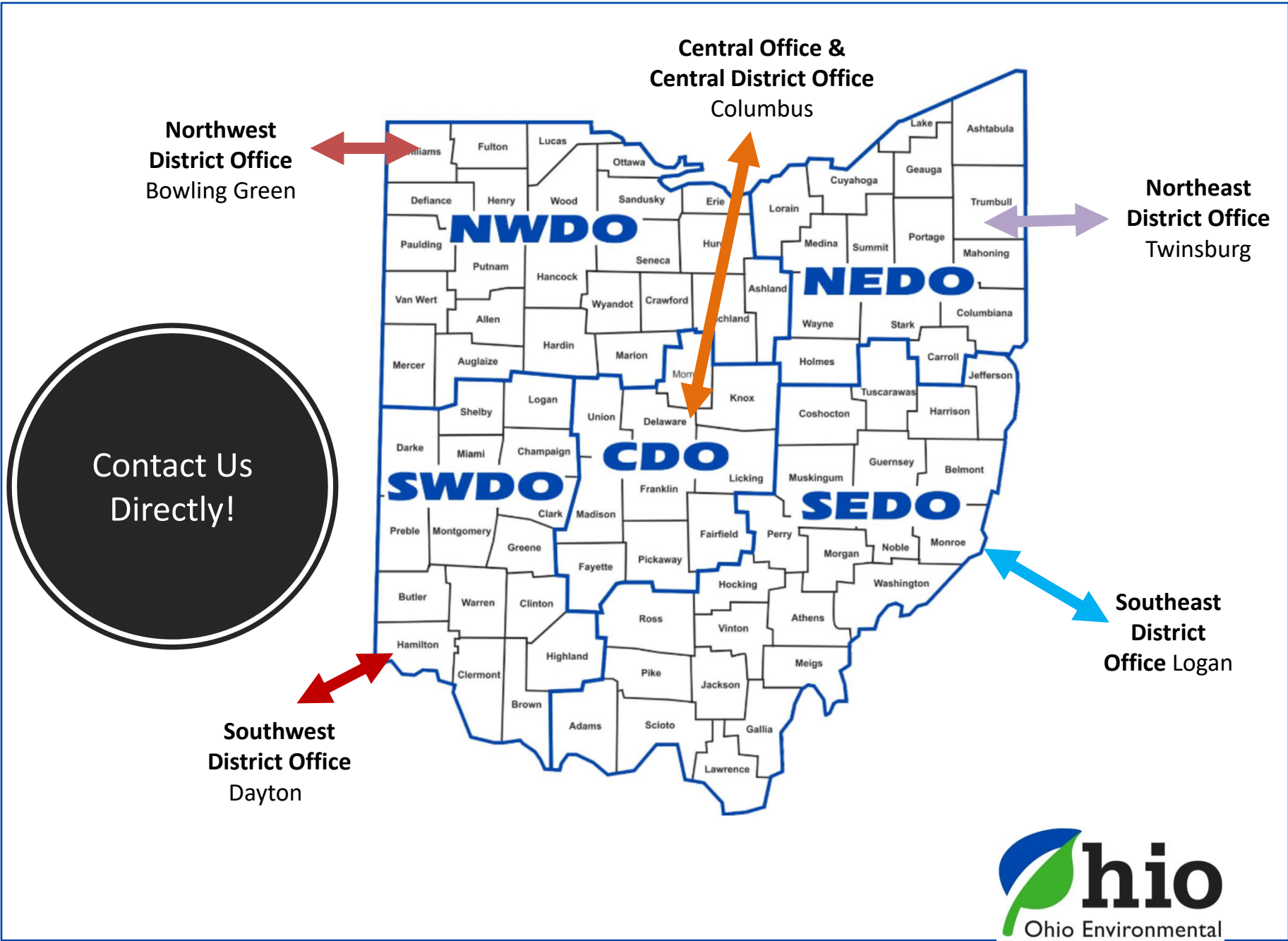
**Check Out our
New Chat
Feature!**



Ask an Expert
about permitting
and regulations

**Confidentially contact
us with questions
about Environmental
requirements**





Contact us Directly: OCAPP District Contacts



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Materials Marketplace

The Ohio Materials Marketplace is an online network designed to facilitate cross-industry materials reuse among Ohio companies and organizations.

Through the online network, members can post and find available or needed by-products and materials and coordinate transactions with other members.



Goals

1



Create economic value for Ohio businesses

2



Divert material from Ohio landfills

3

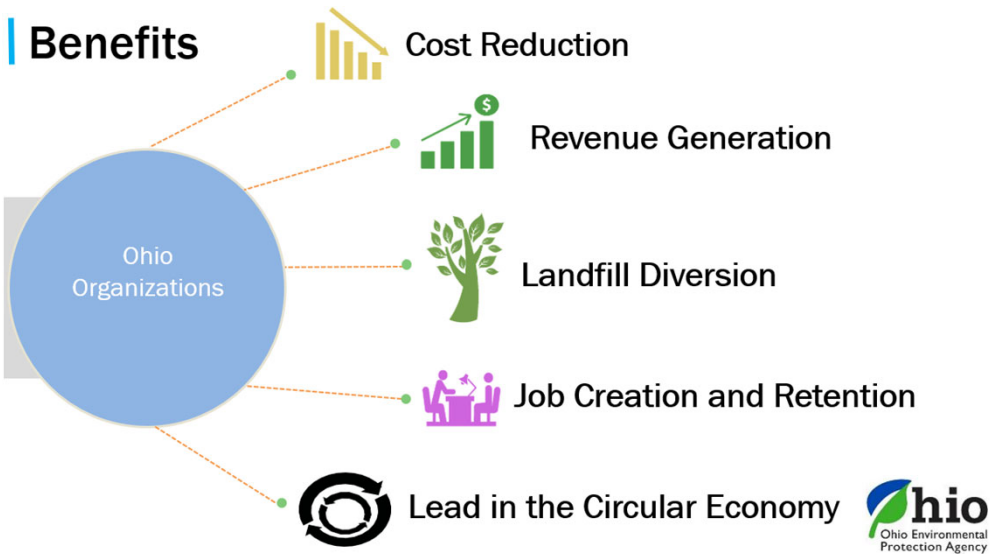


Make Ohio a leader in the circular economy

ohio.materialsmarketplace.org



Benefits



Ohio Materials Marketplace

1,000+ Organizations Participating

3,800,000 Pounds Exchanged

\$250,000 Savings Identified

The Sustainability Unit



What's on OMM?

FREE Online Platform!!!

Join the Circular Economy

THE OHIO MATERIALS MARKETPLACE IS A FREE ONLINE PLATFORM ALLOWING BUSINESSES AND ORGANIZATIONS TO CONNECT AND FIND REUSE AND RECYCLING SOLUTIONS FOR WASTE AND BY-PRODUCT MATERIALS

GET INVOLVED

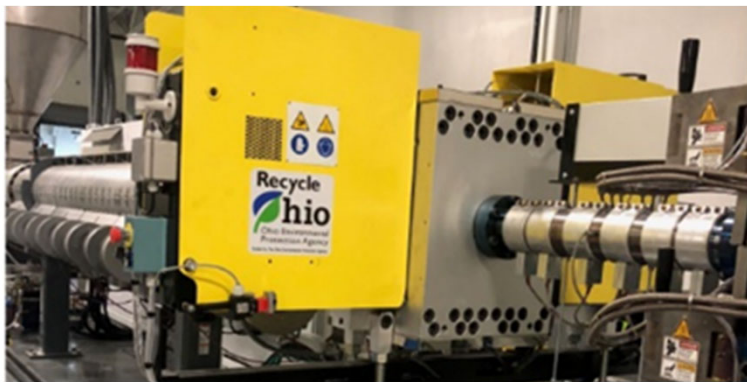


Materials Marketplace

U.S. Business Council for Sustainable Development

Ohio.materialsmarketplace.org





Need money for recycling-related projects or equipment?



Recycling and Litter Prevention Grants

- Applications open this Fall
- Apply online through Ohio EPA's Customer Support Center
- Grant application process is competitive



Grant Available	Term	Applicant Match	Business Eligibility	Amount Available
Community and Litter	1 year	25%	No	\$200,000
<u>Market Development</u>	2 years	100%	Yes	\$200,000
<u>Scrap Tire</u>	2 years	100%	Yes	\$300,000
Academic Institution (K-12 and colleges/universities)	1 year 2 years* <small>*scrap tire projects</small>	25% 100%* <small>*scrap tire projects</small>	No	\$100,000 \$300,000* <small>*scrap tire projects</small>



Recycling Grant Money Specialists

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RecycleOhio.gov



Want Recognition for Going Above and Beyond?

E3

- Encouraging Environmental Excellence

E4

- Encouraging Environmental Excellence in Education

New!!!

E3C

- Encouraging Environmental Excellence in Communities



Encouraging Environmental Excellence



Who:

- Businesses, Universities/Colleges, Organizations

What:

- Recognition for Environmental Stewardship Activities

How:

- Online Application

Levels:

- Platinum, Gold, Silver, Achievement





K-12

Student
Led

Environmental
Stewardship

Recognition

- Root, Branch, Leaf





Encouraging Environmental Excellence in Education (E4)

New!!!



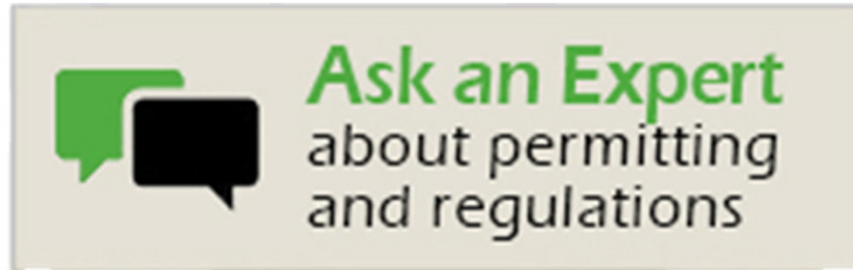
ENCOURAGING Environmental EXCELLENCE

Ohio Environmental Protection Agency

Encouraging Environmental Excellence in Communities (E3C)

epa.ohio.gov/ocapp/ohioe3





OCAPP: 1-800-329-7518
Free and confidential chat and hotline
Trainings with CEUs offered for each:
epa.ohio.gov/defa and click on the “training tab”

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