

SOLID WASTE MANAGEMENT IN OHIO
*TOOLS FOR LOCAL GOVERNMENT +
THE OHIO SOLID WASTE MANAGEMENT REVIEW*

September 12, 2013

Ohio's Solid Waste Management System

Overview of Ohio's Solid Waste Management System

Using SWMDs, Ohio EPA and other tools & resources

Emerging trends

HB 592 Review

Ohio's Solid Waste Management System: Overview

Primarily a state developed and operated program

- HB 592 (1988)
- Revisions in 90's
- Federal Subtitle D: Landfill standards

Regulatory:

- Permitting/Licenses for facilities
- Inspections for facilities
- Annual Reporting
- Enforcement activities

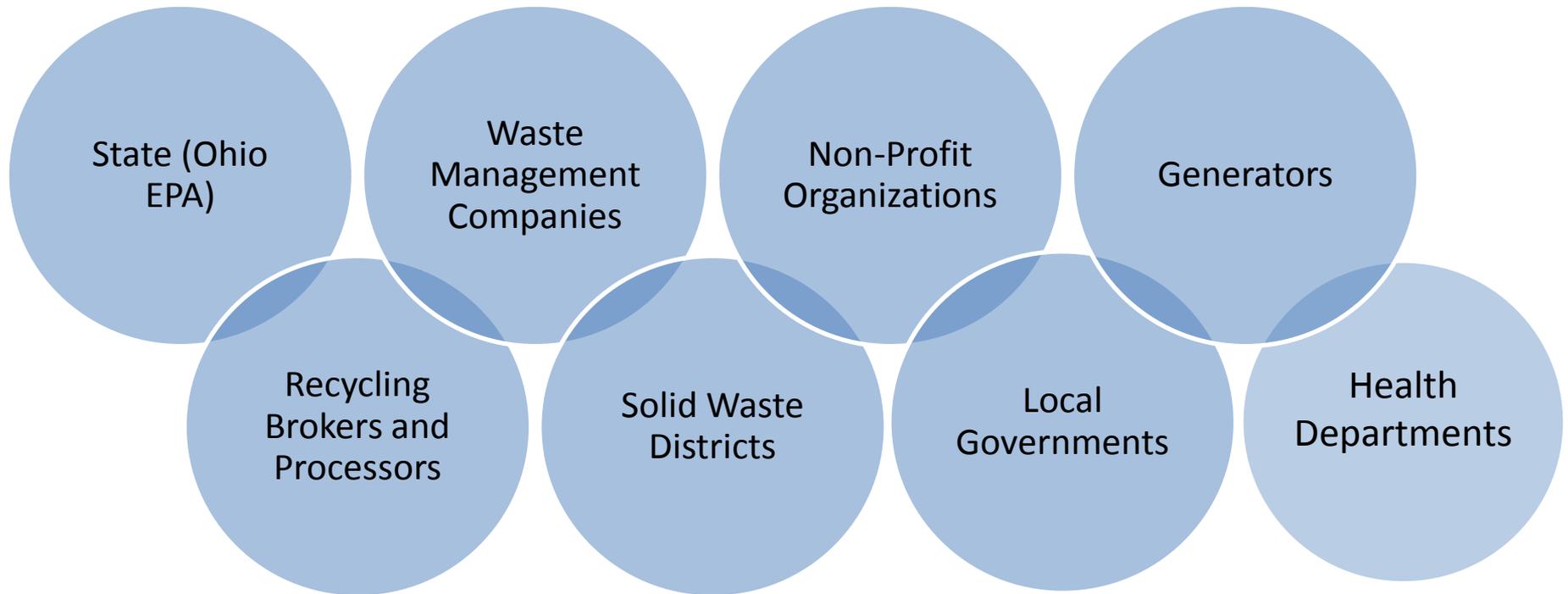
Non-Regulatory:

- Recycling
- Specific program development (glass, organics, etc...)
- Networking & Information Sharing
- Grant Opportunities



Ohio's Solid Waste Management System: Players

A multi-faceted system that includes many players...



Ohio's Solid Waste Management System: Planning

Main goal: Reduce Ohio's Reliance on Landfills

State Level:

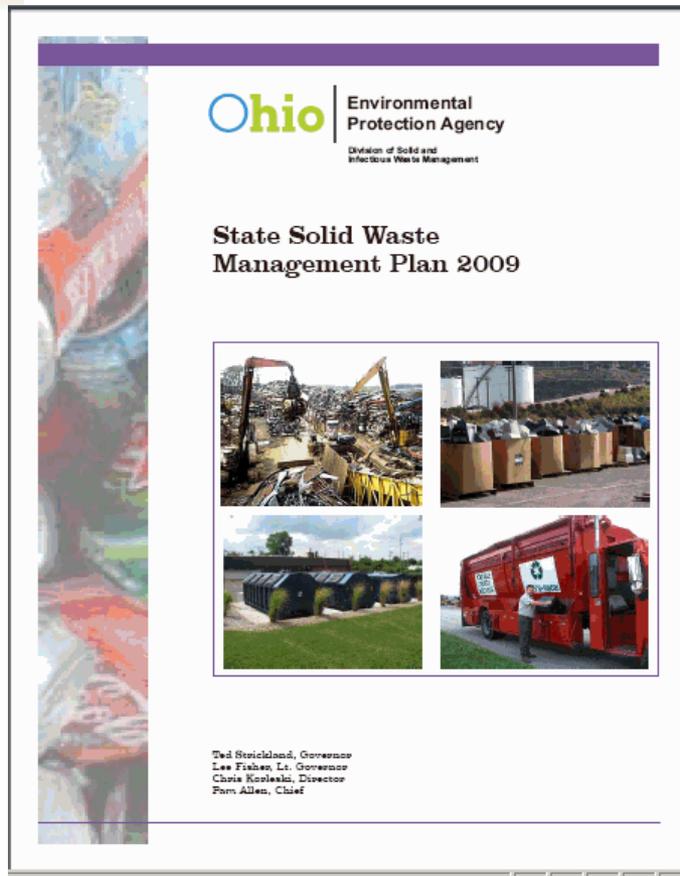
- State Plan (State Goals)
- Solid Waste Advisory Council
- Facility Reporting
- Networking & Information Sharing

Local Level:

- Solid Waste Management Districts (SWMDs)
- Local Solid Waste Plans
- Local funding sources
- Local Health Department Partnerships
- Annual Recycling Data Collection
- Materials generation
- Materials Management (collection, processing, landfilling, etc...)



Solid Waste Management Review: Goals



State Plan Goals (1995)

- Infrastructure Development
- Percentage Goal
- Source Reduction Assistance
- Technical assistance on composting and other recycling options
- Scrap Tires & HHW Programs
- Annual Reporting
- Market Development (optional)

Tools and Resources for Local Governments

Solid Waste Management Districts



Tasked with writing and implementing a local solid waste management plan that meets the state goals

Each county must belong to one; currently there are 52

Wide variety regarding population and income

Service approaches vary dramatically

Solid Waste Management Districts: Organization/Operations

Have at least a Coordinator – many have other staff as well

Policy Committee writes, reviews and updates the Plan

Board of Directors (Commissioners) implements the Plan

Works with local communities, institutions and businesses to implement local recycling programs

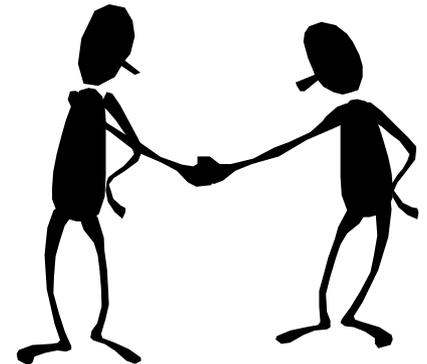
Provide an annual report to Ohio EPA to show progress

Serve as a sponsor for Ohio EPA grant programs

What your SWMD can do for you

SWMDs provide many opportunities to local governments, businesses and institutions:

- Technical assistance on source reduction and recycling
- Help with litter prevention and illegal dumping concerns
- General education activities
- Guidance on solid waste services and contracts
- Direct funding (or assistance in getting funding)
- Development of recycling infrastructure
- Access to local data
- Networking/consortiums

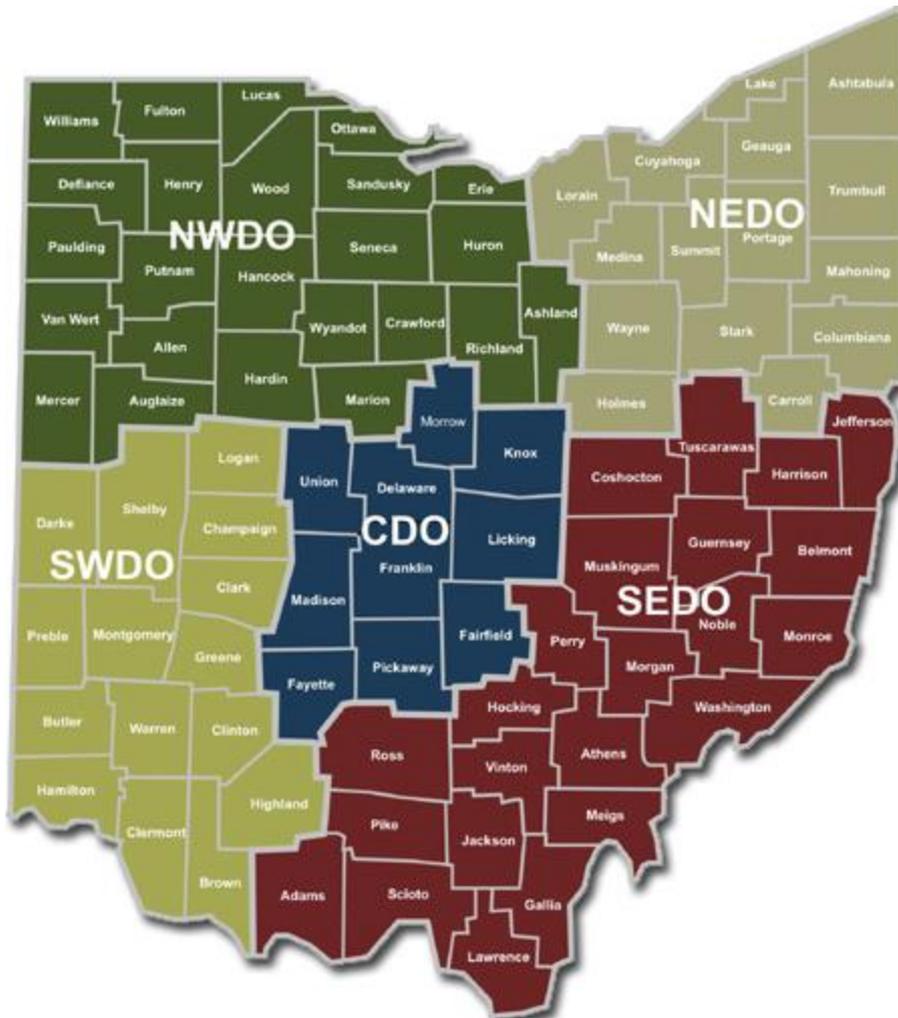


What you can do to help your SWMD

As a local community, you can help your SWMD achieve their goals in a number of ways:

- Be active members of the Policy Committee
- Be active in the plan development process
- Partner with them to manage/pay for infrastructure
- Provide data whenever possible
- Help leverage funds through your own financing opportunities
- Help bring local businesses and organizations to the table

Ohio EPA: DMWM



Division of Materials and
Waste Management



Materials Conservation and
Reuse Unit (MCRU)



Planning Unit

What Ohio EPA DMWM Offers

Data

- Statewide disposal
- Various recycling streams
- Various reports and analysis

Technical Assistance

- For Facilities
- For existing programs
- Help developing new programs

Networking

- Ad hoc Workgroups
- SWMD Workgroup
- Specific Issue Networking

Grant Programs

- Community Grants
- Litter Prevention & Tire Amnesty
- Market Development & Scrap Tires

Ohio EPA 2014 Grant Programs

Community Grant: Provides opportunities to financially support community projects. Often to develop the infrastructure for the collection and processing of recyclable materials

Litter Clean Up & Tire Amnesty: Grant funds to support community litter collection, litter prevention and tire amnesty activities.

Market Development & Scrap Tires: Financial support for private sector projects, specifically to develop the infrastructure for the collection and processing of materials, and strengthening of markets for end products.

Ohio EPA 2014 Grant Programs

2014 Grant Schedule

October 1, 2013 - Application Package Posted on OEPA Website
www.epa.ohio.gov/dmwm/Home/Grants.aspx

October 3, 2013 – Grant Informational Meeting

February 3, 2014 – Final Applications Due

May 2014 - Awards Announced

July 1, 2014 - Funding Made Available

Upcoming Trends & Activities

Ohio EPA is currently considering the implementation of a regional planning pilot project that will:

- Analyze movement of materials beyond county/SWMD borders;
- Develop regional baseline data to improve local planning;
- Identify opportunities for market development;
- Identify strengths/weaknesses at a regional level;
- Strengthen partnerships and shared services (where appropriate);
- Help spread new ideas; and
- Give Ohio EPA a better idea of how to allocate our resources.

Recycling Transfer Stations

Recycling transfer stations are setting up in various parts of the state. They allow for many benefits:

- Mirrors the concept of solid waste transfer stations, so it's a familiar and tested concept (in some ways);
- Can combine recycling from many local sources and get higher-volume pricing;
- Allows an expansion of curbside recycling opportunities by lower transportation costs;
- Fewer trucks on the road to MRFs reduces environmental footprint

Ohio Glass Initiative

The State of Ohio is actively seeking to expand glass recycling in response to a strong desire from industry for more material



- Ohioans landfill 90% of glass; markets need 275,000 tons more than we currently recycle;
- Various options: expanded curbside, bar & restaurant recycling, separate drop-offs and bottle bill;
- Regional 'Glass Act' Depots identified
- Ohio EPA Grant program will be aimed at expanding processing and collection capacity
- Currently focused on SW and NE, but will expand over time



Organics Recycling (Composting)

Ohio has a nationally recognized organics program that has seen explosive growth in the last several years

- The state adopted a yard waste ‘restriction’ many years ago;
- Food waste in particular has become especially popular;
- Recent rule changes allow for small scale community composting (aimed at increasing food waste composting);
- Food waste collection programs have in some cases overwhelmed facilities and odor/gas complaints are on the rise;
- Ohio is working to resolve these issues by providing training and guidance to operators.

HB 592 Review

Solid Waste Management Review: The Basics

Where Did This Come From?

H.B. 592 Passed in 1988

It's been on Ohio EPA's long-term "to-do" list for several years

Timing seemed right to take a holistic look, rather than react to piecemeal initiatives

Key Process Principles

Looking comprehensively at the entire system to make it more efficient and effective

Open, transparent process based on consensus-building

Not afraid to think big

Maintaining Fundamental Principles of 592

Ohio EPA maintains our commitment to original HB 592 principles:

Waste management must be protective of human health and the environment

Continue to reduce reliance on landfills for solid waste management

But, we entered this process with very few pre-conceived notions about how to maintain that commitment

Solid Waste Management Review: Process

4 Phase Process (Approximately 18 months)

Phase I: *Information Gathering*

Phase II: *Discussion and Consensus Building*

Phase III: *Formal Proposal*

Phase IV: *Legislative Initiative*

Solid Waste Management Review : Solutions Framework

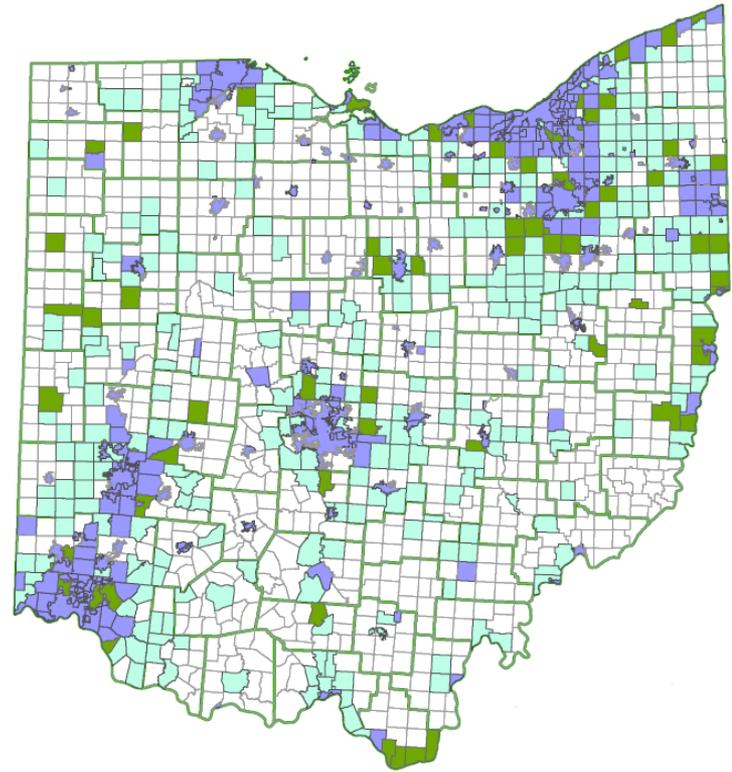
Statutory Changes	Regulatory Changes	Partnerships & Initiatives	Shared Visions and Goals	'Parking Lot' Issue Identification
	<div style="border-top: 1px dashed black; padding-top: 10px;"> Guidance, Policies & BMPs </div>			

Update: Local Involvement and Responsibility

Engaged with Ohio Municipal League (OML) and Ohio Township Association (OTA) on how to improve local communities' involvement in recycling

Draft proposal (not yet finalized) focuses on 3 ideas:

- Elimination of the Largest Municipality Veto
- Establishment of formal partnerships with OML/OTA
- Aspiration goals for expanding curbside access



Update: Facility Oversight

Started out as a discussion about LHDs involvement – Ohio EPA chose to expand the scope to the entire system

Data-intensive project aimed at building the most effective system and funding it properly

Outreach has primarily been focused on LHDs, but solid waste industry also invited to the December 2012 meetings



Update: Shared Services/Consolidation

Sub-Committee met in Jan/Feb 2013

Three main parts:

1. Implement a regional planning pilot project
2. Coordinated efforts to promote shared services
3. Population threshold of 100,000 with a transition period and waiver process



Update: Flow Control

Ohio EPA, working off the memo provided to participants for the April 30th meeting, is crafting a framework for the proposal which will then be shared with interested parties

As of now, the direction we expect the proposal may take includes:

- Flow Control continues to serve a legitimate public purpose
- Flow control should not be static and the implementation of any flow control measures should include an extensive analysis prior to enactment, including the economic impact on the district, community, industry, and more.
- We believe many districts are already doing this, but aim to ensure consistent and complete analysis across the board

Ohio Solid Waste Management Review



House Bill 592 (HB 592), passed by the Ohio legislature in 1988, created the structure for the modern-day management of solid waste (garbage) in Ohio. The law did a variety of things, including requiring Ohio EPA to adopt regulations to ensure that landfills are safe and protective of human health and the environment; creating local solid waste management districts that are responsible for developing and implementing local solid waste management plans; and creating the State Solid Waste Advisory Council (SWAC), which is responsible for developing State recycling goals (among other things).

In short, the way that solid waste is regulated and managed in Ohio today is in large part a reflection of what was included in

HB 592. Since HB 592 was passed in 1988, there have been many changes within the solid waste industry, and changes with technology and solid waste management and disposal practices. As a result, Ohio EPA has initiated a comprehensive review of HB 592. The review will consider Ohio EPA's experience implementing the law, along with the experience gained from all interested parties including the solid waste industry, health departments, solid waste management districts, citizens and businesses. This information and experience will be the basis for proposing the changes necessary to improve the overall solid waste management system in Ohio.

UPCOMING MEETINGS

- **Solid Waste Fees**
July 25, 10:30 a.m. - 12:30 p.m.
Invitations extended through OSWDO
- **Solid Waste Management District Workgroup**
August 1, 10 a.m. - 1 p.m.

MORE INFORMATION

If you have questions or would like more information, please [email Christopher Germain](#) or call (614) 728-5317.

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There are numerous ways you can get involved and provide input:

- **Schedule a meeting with representatives of Ohio EPA.** If you are interested in meeting with Ohio EPA, please send a meeting request to [Christopher Germain](#) or call (614) 728-5317.
- **Submit comments to Ohio EPA.** Ohio EPA will accept public comments throughout the entire review process. Once a formal proposal is finalized, there will be a final, formal comment period. At any time during the process, interested parties are encouraged to submit their ideas and comments to [Christopher Germain](#) (.doc and .pdf attachments are acceptable). Hard copy comments can be submitted to:

Ohio EPA, DMWM
ATTN: Christopher Germain

Questions

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