

Sanitary Engineers

SOLID WASTE PLANNING



1980'S TO TODAY

Ohio Receives 3 million tons from out of state
and exports 1 million tons to surrounding states

OUT-OF-STATE WASTE IS ONE MAJOR FACTOR

Fueling solid waste planning and became the basis for Ohio law changes almost thirty years ago.

THERE ARE 52 OHIO SOLID WASTE DISTRICTS

Preparing plans every three or five years. Those plans have to achieve either a 25% residential/commercial recycling goal and 66% industrial goal or, the District must provide infrastructure in the way of curbside or drop-off recycling serving 90 percent of the population.

GOALS MAY BE CHANGING...

The Materials Management Advisory Council recently established is working on a new State Plan with potentially new goal ideas. There initial idea being tossed around is to move away from the recycling goal to a per capita waste reduction of waste disposed.

THIS IDEA HAS POSITIVES AND NEGATIVES.

Positive includes trash is weighed so we know how much weight is being disposed across the state. Negative many factors influence waste generation and disposal including the economy.

UNDER OHIO LAW SANITARY ENGINEERS

(D) The sanitary engineer or sanitary engineering department of a county maintaining a district and any sanitary engineer or sanitary engineering department of a county in a joint district, as determined by the board of directors, in addition to other duties assigned to that engineer or department, shall assist the board of county commissioners or directors in the performance of their duties under this chapter and sections [3734.52](#) to [3734.575](#) of the Revised Code and shall be charged with any other duties and services in relation thereto that the board prescribes. A board may employ registered professional engineers to assist the sanitary engineer in those duties and also may employ financial advisers and any other professional services it considers necessary to assist it in the construction, financing, and maintenance of solid waste collection or other solid waste facilities. Such contracts of employment shall not require the certificate provided in section [5705.41](#) of the Revised Code. Payment for such services may be made from the general fund or any other fund legally available for that use at times that are agreed upon or as determined by the board of county commissioners or directors, and the funds may be reimbursed from the proceeds of bonds or notes issued to pay the cost of any improvement to which the services related..

SOME QUESTIONS

How many of you are involved in solid waste management in your counties and districts?

SOME QUESTIONS

For those of you involved, tell us your role and some of the regular issues that you face as sanitary engineer?

SOME QUESTIONS

For those of you who do not touch solid waste why is that the case in your district or county?

PUT ON A NEW HAT

I am an officer of the International Board of Directors of the Solid Waste Association of North America (SWANA).
Don is President of the Ohio Chapter.

SWANA IS AN ORGANIZATION OF

...solid waste professionals covering management, consulting, drivers, composting, landfilling, transfer, recycling and other subject matter.

SAFETY IS A MAJOR

...focus and topic for the organization.

Every Monday a joint safety Monday newsletter is mailed to our 9,000 members and the National Waste Recycling Association.



SWANA[®] Renewed Focused on Safety

SOLID WASTE ASSOCIATION
of North America

Why does SWANA care about safety?

Waste/recycling collection workers have 5th highest fatality rate in U.S.



- 33 collection employee deaths in 2015 (38.8 per 100,000 FTE)
- Likely undercounts (temps, public sector)
- Rate has increased since 2009 after 10 year decline
- SWANA has recorded at least 45 solid waste worker deaths in 2016
- Disproportionate number of worker fatalities occur at small employers in the private sector (i.e., small haulers)

Lots of Third-Party Fatalities

- **There were at least 64 fatal solid-waste related accidents in which a member of the public was killed in 2016**
- **This includes the single deadliest incident of 2016 which took place in Ohio**



SWANA[®]

SOLID WASTE ASSOCIATION
of North America

Ohio Initiatives

- **Collaboration Between nearby Safety Ambassadors (PA., Kentucky, Ind., Mi.)**
- **Implement a Statewide Safety Steering Committee**
 - Designed to promote SWANA statewide thru Safety
- **Slow Down To Get Around Campaign**
 - Work to pass SDTGA into law in Ohio, passed in 12 states
- **Small Hauler Outreach**
 - How do we reach out to small haulers, persuade them to join SWANA and provide ongoing assistance with their Safety Programs?