

Miami County Solid Waste District

- Single-county district with a population of 104,000.



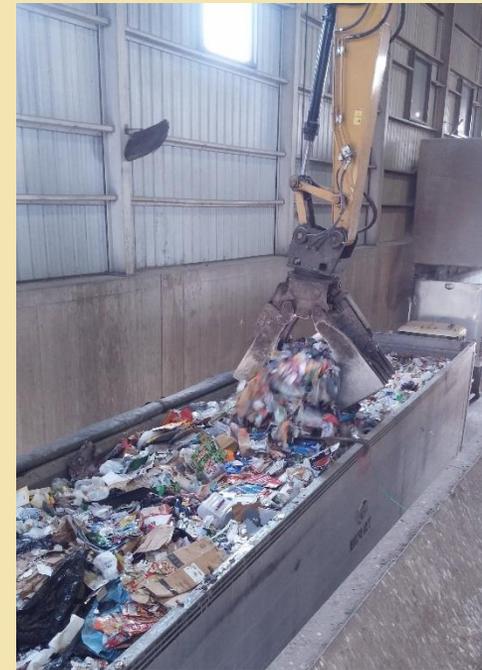
Miami County Solid Waste District

- County-owned and operated solid waste and recycling transfer station.



Miami County Transfer Station

- Constructed with tipping floor and top-loaded transfer operation.
- Receives and transfers an average of 350 tons of solid waste daily.



Miami County Solid Waste District

- Contracted with Republic Services' Cherokee Run Landfill in Bellefontaine for the disposal of all of Miami County's solid waste.



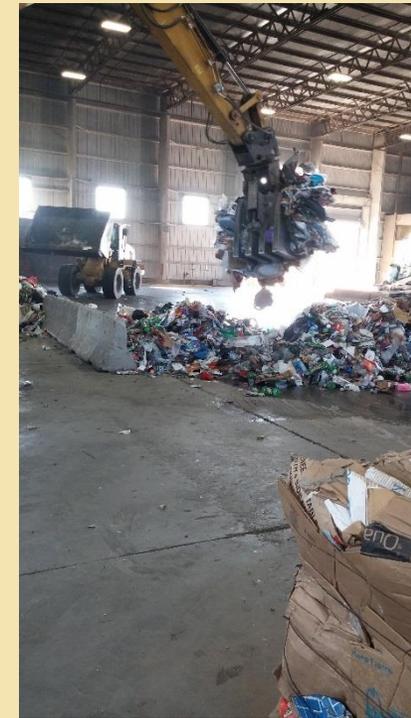
Miami County SWD Recycling

- SWD-operated residential drop-off center
- Glass pick-up for businesses, expanded through OEPA glass initiative



Miami County SWD Recycling

Transfer Station staff process and bale a portion of the recycling materials collected from the residential drop-off and from the tipping floor. The remainder of the collected materials are transported to Rumpke's recycling facilities for processing.



Collaboration with Rumpke Recycling

- Miami County has enjoyed a long-standing relationship with Rumpke of Dayton and Greenville
- Earlier this year, MCSWD collaborated with Rumpke and R&J Trucking to consolidate the Solid Waste District's shipments of recyclables

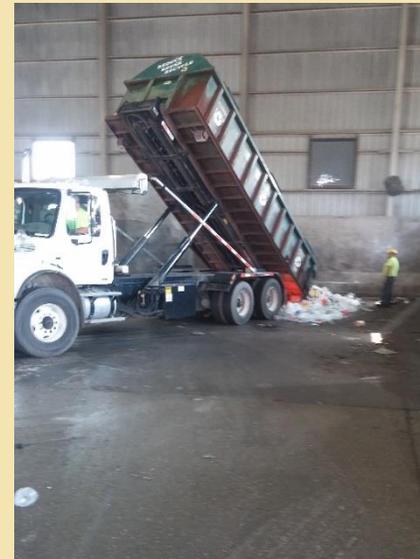


Transition to Trailers

- In 2014, MCSWD shipped 2-3 single roll-off loads of comingled recyclables to Rumpke on a weekly basis
- In January, MCSWD staff visited Rumpke's new Cincinnati recycling facility and observed incoming single-stream trailers being dumped by a trailer tipper
- Soon after, MCSWD worked with Rumpke and our transporter, R&J Trucking, to combine roll-off loads into open-top transfer trailers

Transition to Trailers - Benefits

- 12-14 single roll-off loads are being combined into one trailer load, sent to recycling facilities approximately every two days
- Annual transportation savings: \$20,000 - \$25,000
- Decreased liability for the county by limiting highway exposure



Piqua Recycling Program

- Piqua: Second-largest municipality in Miami County
 - Population ~ 20,700
 - 9,400 residences
- Municipal solid waste collection
- Contracted recycling collection until 2015
 - Struggled with cost of curbside recycling program in previous years
 - Low participation rate in economically distressed areas
 - Average cost of \$200 per ton of recyclables for collection and processing



Piqua Recycling Program

- In 2015, Piqua elected to begin their own municipal recycling collection program in partnership with the MCSWD
- The change to city-operating curbside collection included a switch to 65-gallon toters from the previous 18-gallon bins
- Piqua transports recyclables to the Miami County Transfer Station to be loaded with the county's materials and transported to the Rumpke recycling facilities



Piqua Recycling Program

- Piqua has achieved a 27% increase in weekly recycling tonnage
 - Average monthly tonnage: 127 tons
 - Total tonnage since May: 685 tons
- Piqua's total disposal fee stays low for residents
 - Unlimited waste pickup (including brush, tires, and bulk): \$15.30 per month
 - Recycling pickup: \$3.13 per month
 - Total cost of waste disposal for residents: \$18.43
- Piqua will save an estimated \$100,000 per year



Piqua Recycling Program

- MCSWD charges Piqua \$53.05 per ton of residential recyclables delivered
 - This fee covers the cost of transportation, handling and processing through Rumpke
- To date, 685 tons of recyclables have been transferred to Rumpke Recycling
 - 39 trailer loads
 - Average load of 17.58 tons

