

Bartholomew County
Solid Waste Management District

2018 Annual Report



*....providing cost effective, environmentally sound programs of
waste management and waste reduction for all residents of
Bartholomew County.*

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General Information

The City of Columbus and Bartholomew County have been leaders in municipal management of solid waste since 1969. Prior to 1969, the community's disposal needs were served by several open dumpsites. Recognizing the need for improved services, the City and County formed a blue ribbon commission to study the waste disposal needs of the county. The commission recognized the need for both a modern sanitary landfill and a management authority to oversee its construction and operation.

In 1969, via an inter-local agreement, the City and County formed the Columbus-Bartholomew Solid Waste Disposal Authority (SWDA). The SWDA was comprised of five members appointed by the City and County. The SWDA opted to construct a waste shredding operation in the building now housing the Columbus City Garage, now called Department of Public Works (DPW). The aim was to mill all possible waste, and landfill the resultant fluff on City-County owned property (adjacent to the City Garage and Recycling Center). The ungrindable portion was to be landfilled on leased property on CR 500 E (Petersville Solid-Fill Site). The mill proved unreliable and was shut down after only a few months of service. The SWDA then leased property from Dora Fischer on CR 250 E and opened the Clifty Hill Landfill (aka the Dora Fischer Landfill). The authority began looking for a new landfill site, ultimately locating on what was then SR 46, just east of Petersville. The Clifty Hill Landfill was closed in 1974, when the new Bartholomew County Landfill opened on SR 46. The authority functioned primarily as a landfill manager from 1974 until 1990.

With the advancements in landfill technology, increased reporting requirements, impending State legislation to reduce waste disposal, and an active local recycling task force, the SWDA hired its first full-time administrator in July 1990. That same year the State legislature passed landmark legislation requiring all counties to form Solid Waste Districts and to develop a 20-year waste management plan to achieve State waste reduction goals.

Upon formation of the Bartholomew County Solid Waste Management District in July of 1991, the SWDA was modified in both title and responsibility. The Solid Waste Disposal Authority became the Solid Waste Management Authority, or SWMA. The SWMA was charged by the District Board with the day-to-day operation of all solid waste programs, including landfill construction and operation. The District Board retained sole discretion with regard to the formulation of a comprehensive 20-year solid waste management plan, and the selection of a new landfill site.

Until January 1999, the SWMA remained responsible for the operation of our sanitary landfill, the City Garage foundry sand monofill, our municipal recycling and education center, a rural refuse collection program, a household hazardous waste (HHW) collection program, and our 10-acre municipal composting operation. This involves the supervision of 16 full-time employees and one part-time employee and the administration of a 3.4 million dollar annual budget (2018).

In January 1999, at the request of the SWMA Board of Director's, the District Board placed the SWMA in indefinite inactive status. The District Board assumed the daily management responsibilities formerly held by the SWMA.

In June 2015, the SWMD Board and Citizen's Advisory Committee approved a new Five Year Plan (2016-2020), providing an analysis of current issues and direction for the next 5 years.



Bartholomew County Solid Waste Management District Board and Staff

Board of Directors (1/19)

Frank Miller– Chairperson, City Council
 Steve Rucker– Vice Chairperson, Hartsville Town Board
 Jim Lienhoop– Mayor, City of Columbus
 Larry Kleinhenz– County Commissioner
 Rick Flohr– County Commissioner
 Carl Lienhoop– County Commissioner
 Scott Bonnell– County Council

Bartholomew County Solid Waste Management Authority Board of Directors

*The Solid Waste Management Authority was placed in an inactive status when the District Board assumed its responsibilities January 28, 1999

Citizens' Advisory Committee (1/19)

Dan Arnholt	Dennis Tibbetts
Roger Brandt	Kevin Wynne
Barry Kastner	Max Lemley
Alan Resnik	Govind Malleichervu

District Staff (6/18)

Director	Heather Siesel
Education Coordinator	Kari Spurgeon
Operations Manager	Johnny Smith
Controller	Diana Hodnett
Office Manager	Debbie Arnholt
Recycling Center Supervisor	Randy Murphy
Recycling Center Assistants (Full-Time)	Dan Sutton
	Terry Abbott
	Alisha Miller
Commercial Cardboard Route Drivers	Lenny Jessie
	Jerry Bense Jr.
C&D/Yard Waste Operator	Jacob Conrad
Weighmaster	Lisa Best
P/T Scale Operator	Terry Abbott
Small Load Operators	Tom Coon
	Stuart Records
Reuse Assistant/Education Outreach	Renay Cannon

Bartholomew County Sanitary Landfill

History – BCLF I - Original Site in Petersville

The first mission of the SWDA was securing a landfill site and closing the Petersville Solid Fill Site. An innovative approach was taken. Property adjacent to the existing Columbus City Garage was rezoned for solid waste activities. A large building (the current Department of Public Works) was built to house a solid waste shredder operation. The intent was to reduce the volume of organic waste via shredding, and to landfill this material on adjacent property. All solid fill would continue to be disposed of at the old Petersville site on CR 500 East. This scheme would be continued until the new landfill, sited along SR 46 east of Petersville, was prepared for use. Unfortunately, the shredder proved a failure. Frequent breakdowns caused the cessation of activities in just a few months.

In 1974, the original Bartholomew County Sanitary Landfill (BCLF I) was opened. Operated using contractual services, this facility served the community well for over 26 years. Until 1991, no direct disposal fees were charged to users. As a part of the modernization of operations, the landfill was transformed from a tax-based utility to a user-based utility, much like water, sewage, and gas service. In January 1991, the Bartholomew County Sanitary Landfill became self-supporting. User fees offered residents the opportunity to control their costs by reducing their waste, an important aspect of our waste management charge from the State of Indiana. In an effort to curb illegal dumping, the SWMA maintained a 500-pound no-fee disposal policy at the landfill.

BCLF I closed to the general public on January 31, 1999. The small amount of permitted airspace remaining was used to assist the Columbus City Utilities with a special sludge disposal project. The site, modified to serve as a Saturday convenience station, opened in April 1999. It continues to serve well to-date, capturing approximately 20 tons of refuse per Saturday.

Petersville Soil Borrow – McNealy Farm

The McNealy property west of the landfill was purchased in November 1997 for soil borrow purposes. Soil borrow for daily, intermediate and final cover continued from this property until final closure. In early 1999, the District completed the planned lake on the property. Construction of the dam structure was completed during closure activities. Fencing and "No Trespassing" signs have been installed. Final disposition of the site is yet to be determined though another soil borrow to repair differential settlement of the old landfill is likely within the next few years. In summer 2003, the McNealy home and farm buildings were sold at auction for reuse. District staff demolished the remains, which were hauled to our landfill. In Late 2018, the SWMD Board was approached by the County to sell some of this farm ground for the development of a County Highway Garage.

History – BCLF II - CR 450 S

The SWMA recognized the need for additional landfill capacity in 1986 as BCLF I was nearing capacity. The SWMA sought approval for a 20-acre expansion of the landfill from the Indiana Department of Environmental Management. State approval was received in 1989; the SWMA began searching for a new landfill site. Since 1990, there were three unsuccessful attempts to secure a site.

In March of 1994, the Columbus Area Chamber of Commerce approached the District Board of Directors with a proposal to form a public-private partnership to site a new landfill. This concept was embraced by the District Board with a financial commitment not to exceed \$20,000. Private contributions would make up the remainder of funds necessary (\$125,000) to hire a professional landfill siting consultant. A steering committee was formed to guide the consultant selection and project oversight. Geraghty and Miller, a national environmental consulting firm was hired to perform the search.

Gathering information from applicable regulations and local residents, via a series of public meetings, Geraghty and Miller formulated first a list of search areas in the county. This was sequentially refined to a list of eleven candidate sites. A negotiating committee of the District Board then approached landowners.

Ultimately, two sites were secured under options to purchase. On August 3, 1995, the District Board opted to proceed with development of site 2049 (a.k.a. Wagner site) while retaining the purchase option of the other site (2048, a.k.a. Cummins site).

BCLF II Site Summary

Site 2049, now BCLF II, lies along the south side of CR 450S, directly south of the intersection of CR 50W and consists of two parcels, one owned by Strietelmeier Farms, and the other by Robert and June Wagner. Together the parcels total 283 acres. By virtue of its size, this site offers a long term (40+ years) solution to our solid waste disposal needs. Features of the new site include a 24' wide paved access road with a remotely operated main gate, acceleration/deceleration and passing lanes on CR 450S designed per the City Engineer, a scale house, maintenance building, and small load area with recycling and reuse areas available, and a dedicated vehicle untarping area.

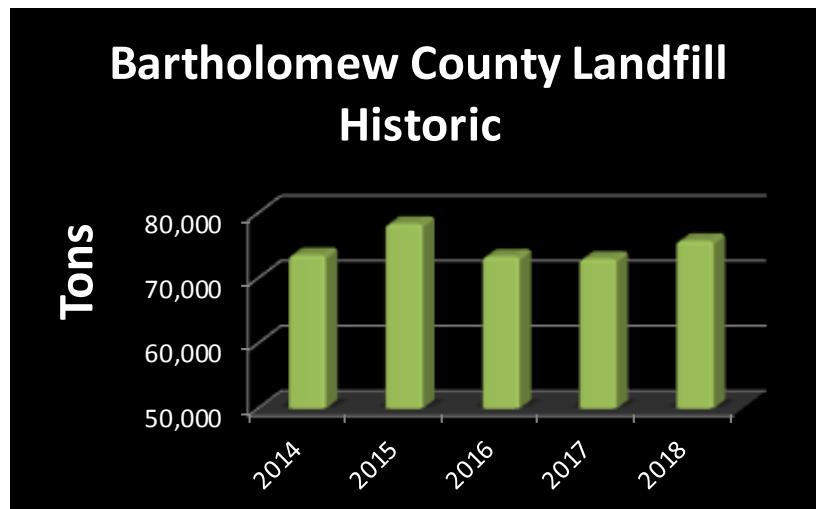
A professional landscape architect, Peter Walker/William Johnson and Associates, assisted the SWMA by developing a landscape plan for the site. The disposal area will comprise nearly 90 acres, and should provide 40+ years of disposal capacity for our community.

The SWMA submitted a permit application to the Indiana Department of Environmental Management on March 4, 1996. We received our construction and operating permit on May 1, 1997. An objection to the permit was filed on May 15, 1997. After lengthy negotiations, the objection was settled in late October. The settlement involved direct payments to property owners to allow for their connection to public water supply, additional monitoring wells, and the incorporation of our property value guarantee terms into the settlement agreement.

Construction of the site began in early 1998 to prepare the site for acceptance of refuse upon closure of the existing Petersville landfill in early 1999. Property acquisition and initial site development was budgeted for 1997 without the need for any debt obligation to the community. BCLF II was opened to the public on February 1, 1999. In March 2005, the 500 lb. no-fee disposal policy was reduced to 200 lbs.

Historic Tonnages

2014	2015	2016	2017	2018
73,546	78,340	73,338	72,977	75,747



Bartholomew County Landfill

Materials / Fees / Hours of Operation

Landfill Hours of Operation

Monday-Friday– 7:30 A.M.– 4:30 P.M.

Saturday– 7:30 A.M.– 4:00 P.M.

(Effective April 1, 2017 Backside of Landfill Close at 1 P.M. on Saturdays)

CLOSED for the Following Holidays: New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day

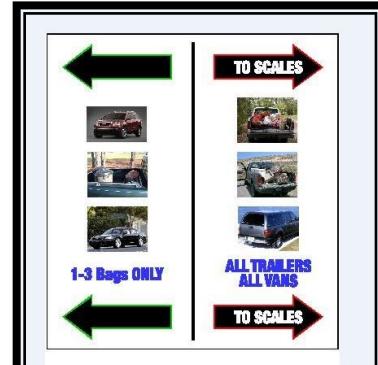
Landfill Disposal Fees	Materials Accepted
<ul style="list-style-type: none"> • Effective 03/2005 one load/day under 200 lbs. is not charged. • Loads above 200 lbs. are charged \$27.50 / per ton (pro-rated) • Quartered vehicle tires: \$47.50 / per ton with no weight exemptions • Whole tires for recycling (Effective as of 11/2004) <ul style="list-style-type: none"> Light Truck & Car w/o rim \$1.50 Light Truck & Car tires w/rim \$2.50 Truck tires (19.5 & up) w/o rim \$7.00 Truck tires (19.5 & up) with rim \$13.00 Floater (wide truck tire) w/o rim \$11.00 Floater (wide truck tire) with rim \$18.00 Farm tractor tire \$50.00 • Pre-approved industrial process/spill cleanup waste: \$27.50 / per ton with no weight exemptions • CFC appliances \$20.00 each • TV & Computer Monitors \$20.00 each 	<p><i>We accept Bartholomew County solid waste only, exceptions being:</i></p> <ul style="list-style-type: none"> • Yard Waste (Free residential disposal available at our Yard Waste Site) • Vehicle Tires (Unless quartered or cut into thirds. Recycling available at Landfill) • Automotive Batteries (Free disposal. Recycling available at Recycling Center/Landfill) • White Goods/ Appliances (CFC accepted for Freon Removal/Recycling for a \$20 fee, Non-CFC accepted for Metals Recycling at no charge) • Hazardous Waste or Liquids (Residential PCB's, Oil-Based Paints. Recycling available at Recycling Center) • Electronics (Residential Small Appliances/Electronics. Accepted for recycling at the Recycling Center/Landfill) TV and computer monitors for a fee of \$20 as of July 1, 2017.

Current Operations

In 2017, we continued to fill cells 1A through 1E and 2A through 2E. No significant operational problems were experienced. Future cell construction is not anticipated until 2022. In 2019, we anticipate closing just under 5 acres on the Northwest side of the Site.

Random Load Inspections

The landfill randomly inspects commercial vehicle loads on a daily basis. The scale operator identifies each vehicle that is to be inspected and the equipment operators at the disposal area sorts through the debris for prohibited materials, hazardous waste and related material. The inspection report is then kept on file for IDEM review.



Environmental Controls

BCLF I & II

Both landfills are active in managing programs to maintain the environment. All loads entering the landfill (excepting those containing only bagged trash) are required to be effectively tarped. This requirement along with monthly refuse pick up along CR 450 S from S.R. 11 to Norcross Drive by our Landfill contractor, provides an effective means to control debris along the main artery to the landfill. The high netting litter control fencing around the new landfill cell continues to function well.

Inspections

The Indiana Department of Environmental Management (IDEM) inspects both our active and closed landfills for compliance to regulations governing construction, operations and permit conditions. These inspections are conducted on a quarterly schedule.

Leachate

Both landfill's leachate collection and storage systems (leachate being rainwater which passed through solid waste) worked without incident, other than normal repairs. In an effort to better quantify leachate volumes, a new flow meter was installed near the leachate storage basins in 2012. We continue to input volumes based on pump run hours and flow meter readings. BCLF I in Petersville captured 198,000 gallons of leachate in 2018 directly discharged to City sewer system. BCLF II, using twin 100,000 gallon lined leachate storage basins discharging directly to the City sewer system, captured 2,120,055 gallons of leachate in 2018.

Future Plans

Operations

In 2019 at BCLF I, we plan to continue to monitor installed vegetation and provide fertilization as required. In 2019 at BCLF II, we will continue to operate in cells 1A through 1E and 2A through 2E. Future cell construction should be anticipated in four to six years. The operating contractor now has a substantial base footprint in which to operate.

Improvements

In late 2006, work at BCLF I commenced to provide a direct sewer discharge for the site. Construction was completed in 2007; however, a property line disagreement delayed the use of the new pipeline. In 2008, this issue was resolved and pumping of leachate directly to the City Utilities Royal View lift station began in December. In 2008, litter fencing was expanded along the south side of Cell 2 C helping us to control nuisance litter onsite. In 2012, BCLF I received soil cap re-grading to minimize rainwater ponding . The solar ignited flare stations were also upgraded in 2012 including the installation of HDPE manifold piping to reduce maintenance. In 2016, BCLF II relined the leachate basin to current standards with a double liner system. A new pump system at BCLF II leachate basin was added in 2017. Upgrades to BCLF I leachate pump system were made in 2018. No updates planned for 2019.



Waste Minimization, Recycling, & Education

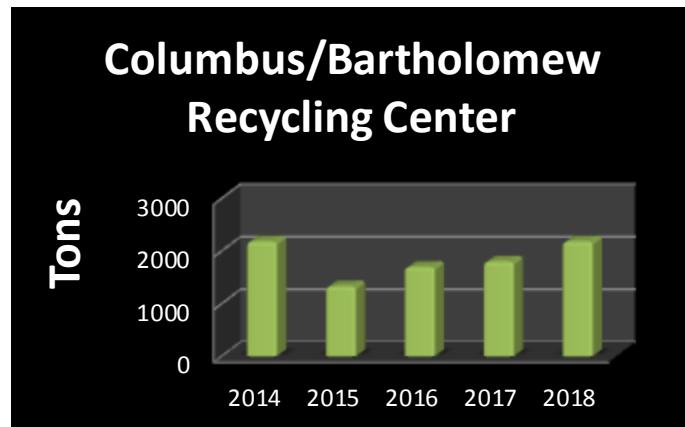
History

Recycling efforts in Bartholomew County began with an ad hoc committee, the Recycling Task Force (RTF), in October 1988. The RTF conducted a pilot residential curbside program and later concluded that composting would have the greatest impact in landfill space savings. The RTF did believe that more "conventional" recycling was important and worked with the City of Columbus to establish a drop-off recycling program in May 1990. An area was designated in a storage building behind the City Garage for delivery of recyclables on Saturday's only. Hundreds of residents dropped off recyclables that first Saturday in May, indicating a definite need for the center.

Columbus/Bartholomew Drive-Thru Recycling Center

In February 1992, construction of the Columbus/Bartholomew Recycling Center began. The new facility opened in July of that year. Since the opening of our drive-thru center, many Midwest markets have become stable allowing cost effective collection and transportation. In 1995, we extended hours on Tuesday's and Thursday's from 7:30 am to 3:30 pm for days of residential delivery. Also, Monday's from 7:30 am to 3:30 pm were designated for business drop-off.

Continued public support showed the need for extended Tuesday and Thursday residential recycling hours in 1995. Friday's were added to the residential drive-thru recycling hours of operation in October of 2004. January 2010– May 2012, the City of Columbus implemented a 3-tier "pay-as-you-throw" (PAYT) Toter system encouraging residents to reduce and recycle their waste. In response to the City, the Columbus/Bartholomew Recycling Center Drive-Thru hours were extended to also include Monday and Wednesdays 8:00am to 3:30pm. This change provides residents with a 6-day per week opportunity to make recycling in the community more convenient. In 2013, several new recycling opportunities were added including everyday Electronics recycling, and Vinyl Siding recycling. In May of 2015, the Recycling Center began accepting plastics #3-#7 in addition to plastics #1 and #2. In May of 2016 it was determined that due to curbside recycling the Recycling Center hours would be modified for residential and businesses to Tuesday through Saturday 7:30 A.M.-4:30 P.M., and closed on Mondays. On July 1, 2017 the BCSWMD began charging a fee of \$20 for all TV's and Computer Monitors. No changes were made to the hours of operation at the Recycling Center in 2018. In 2018, we diverted 2,179 tons of material from the Landfill.

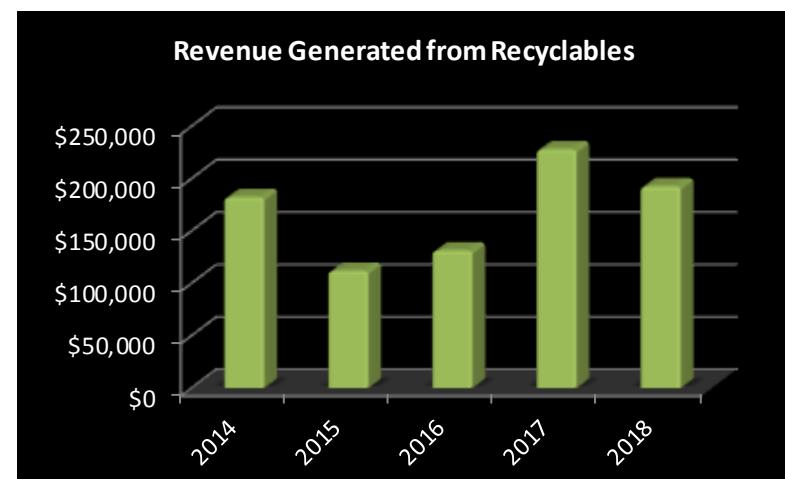


2018 Columbus/Bartholomew Recycling Center Hours of Operation

Tuesday-Saturday– 7:30 A.M.-4:30 P.M., Closed Monday

Revenues & Volume

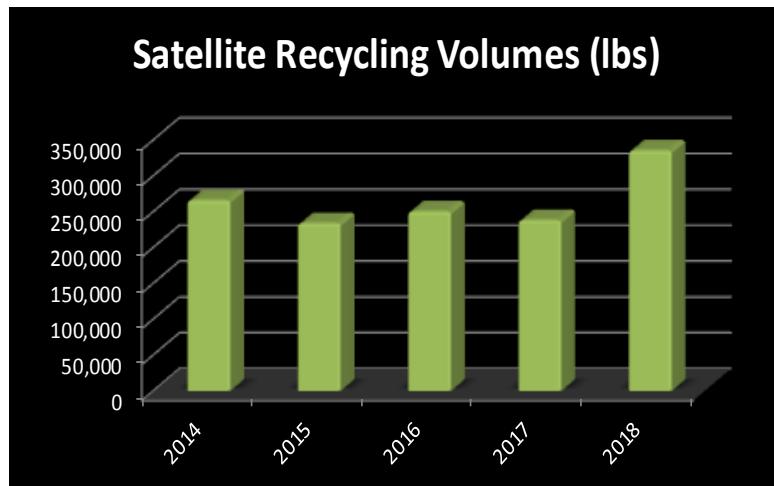
Material volumes and revenues received at the Columbus/Bartholomew Recycling Center vary monthly depending upon season and activities. Revenues fluctuate with market demand, the cost of transportation to market, the level of processing and the volume of material shipped to market. In 2018, the District received a total of \$192,603 from the sale of recyclables. This was a decrease of \$35,368 from 2017, mostly due to market changes.



24/7 Roll-Off Recycling Program

In 1992, nine locations throughout Columbus and Bartholomew County were selected to site 24/7 roll-off recycling containers as an added convenience to recyclers. The roll-offs accepted plastic, glass and metal containers but had no educational value for the users. This resulted in a 40% contamination rate and deletion of several locations. The drop boxes that remained in Bartholomew County were located at Kroger Grocery, the Petersville Convenience Station, and the Bartholomew County Landfill. In 2010, an additional site was added at the Harrison Convenience Station.

Volumes increased considerably in 2004 due to Rumpke of Indiana's decision to drop their curbside collection program. As a result, a large sector of their subscribers began using the containers for their recycling needs. Kroger Grocery's 24/7 roll-off ended January of 2015, due to curbside collection being offered to residents of Columbus through the City's Department of Public Works, viewed as a duplication of services.



Satellite Rural Recycling Program

July 1, 1995 brought staffed recycling collection to four county locations (Ogilville, Hope, Elizabethtown, Taylorsville). This program was the result of the full cost analysis completed for recycling in 1994. The analysis showed the drop box program was not consistent with our goals of education and cost-effective service.

In October of 1997, three of the original four county satellite rural recycling locations were changed to better accommodate recyclers (Walesboro, Hope, Hwy 7/31, Long Road). The new sites were at the same location as the rural refuse collection program thus increasing participation.

In December of 1998, it was decided to move two of the sites due to the relocation of the landfill and Rural Refuse Collection sites. The Walesboro site was moved to ABC Stewart School on the 1st Saturday of the month and the Lowell Bridge site was moved to Long Road, located in the Flatrock Industrial Park, on the 4th Saturday of the month.

Due to lack of participation at the 7 & 31 rural recycling site and a large increase in volumes at the new ABC Stewart location, the District decided to shift the 3rd Saturday of the month to ABC Stewart as well. This allowed for efficient collection of recyclables in a section of the county that is growing rapidly. Users of the 7 & 31 site were encouraged to use the Petersville Convenience Station or the county landfill, which began accepting a limited menu of recyclables in 1999.

In 2003, the ABC Stewart rural site was relocated to Harrison Township on Old Nashville Road, just off State Road 46 West. The new site, secured through the Sycamore Land Trust, is about 2 miles west of ABC Stewart.

In 2009, we discontinued collection at the Long Road site due to lack of participation. In order to fill the need of paper and cardboard collection at the Kroger site, the mobile recycling trailer collected sorted materials at the Kroger location on the 1st and 3rd Saturday of the month.

In 2010, Harrison Township became a permanent site, with roll-off containers for commingled recycling, a container for cardboard collection, and Abitibi bins for paper collection. In 2011, the mobile trailer provided service at the Kroger Store the 1st & 3rd Saturday of each month and travels to the Hope Utility Garage on the 2nd & 4th Saturday of each month.

Volumes collected at satellite locations were down in 2015. We speculate this decrease was caused by the curbside program in the City of Columbus and the removal of Kroger's 24/7 roll-off bin. In May of 2016 both the Kroger and Hope Utility mobile sites were discontinued due to continued decreases in volumes of recyclables collected. Therefore, the satellite recycling program is currently offered on Saturdays at the Harrison and Petersville Rural Convenience locations. These two locations collected 335,520 pounds (167 tons) of recyclable material in 2018.



Ray's (Formerly Abitibi Bowater)

Paper Retriever Program

In late 2005, after a yearlong courtship of Abitibi Paper Recycling, the District successfully brought the number one paper recycler in the world to Bartholomew County. Abitibi has over 17,000 of their colorful green and yellow bins in metropolitan areas across the United States, servicing communities mainly through not-for-profit entities such as schools, churches and governmental units. Groups willing to site a container at their facility are compensated for their paper but must be willing to allow residents in the surrounding area to access the bin.

Upon Abitibi's agreement to service Bartholomew County, the Solid Waste Management District Director and the Education Coordinator met with the Bartholomew Consolidated School Corporation and the Flatrock-Hawcreek School Corporation in an effort to site containers at as many schools as possible. Other not-for-profit agencies were also recruited to host the paper recycling bins as we strive to divert as much of the paper waste stream from landfill disposal as possible.

Due to the cost and labor involved with transporting recycled paper materials from the landfill to the recycling center, the District opted to place Abitibi bins at the landfill. Abitibi bins are also located at Petersville and Harrison Township for convenient paper recycling options for residents.

In August of 2014, the Indianapolis market was purchased by Ray's Trash Service, who now owns and operates the Paper Retriever program. In 2018, the Paper Retriever bins collected 858,360 pounds (429 tons) of material in Bartholomew County, averaging over 35 tons a month. This is down slightly from 39 tons per month in 2016.

Ray's Paper Bin Locations (46 bins as of 1/19)

<u>Schools</u>	<u>Churches</u>	<u>Community</u>
• ABC Learning Center	• Community Church of Columbus	• Bartholomew Co. Gov. Office Building
• Central Middle	• East Columbus United Methodist	• Harrison Convenience Center
• Clifty Creek	• Faith Lutheran	• Petersville Convenience Center
• Columbus Christian	• First Presbyterian	• Bartholomew County Landfill
• Columbus East	• First United Methodist	• BP Gas Station- State Road 7 & US 31
• Columbus North	• Grace Lutheran	• Clay Twp. Fire Dept.
• Head Start	• New Hope Christian	• Donner Park
• Faith Lutheran		• Estep & Co.- 25 th St.
• Fodrea		• Foundation for Youth
• IUPUC		• Sandcrest Dental
• Ivy Tech.		• Knights of Columbus
• L. Frances Smith		• Lincoln Park
• Mt. Healthy		• Peters Heating & Cooling
• North Star Montessori		• Sam's Club
• Northside Middle		• The News Stand
• Parkside		• Toyota- TIEM
• Schmitt		
• Southside		

Business Recycling

Columbus/Bartholomew Drop-off Business Recycling

Beginning in 2011, the Recycling Center started to accept businesses throughout the week to provide more convenient recycling options. Many businesses utilize the program to not only drop off paper products, but also other materials recycled at the Center. Businesses have the option to deliver their recyclables to the Columbus/Bartholomew Recycling Center every Tuesday–Friday 7:30am-4:30pm as of May 2016.

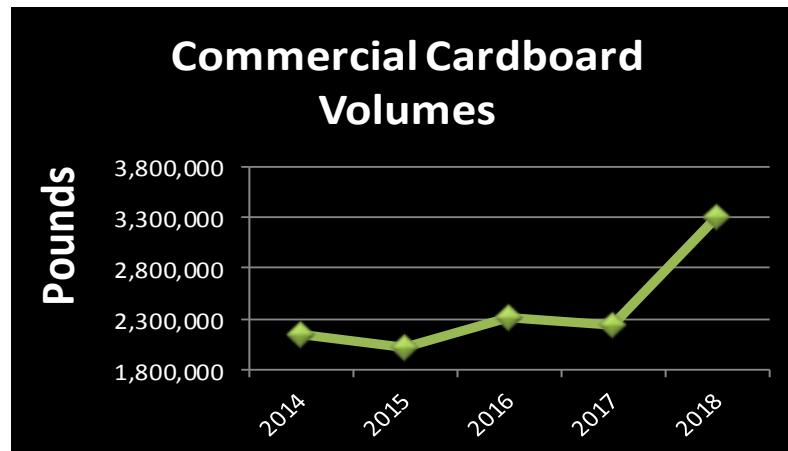
Commercial Cardboard Curbside Collection Program

The Commercial Curbside collection program started January 2, 1994 with approximately 200 participants and was a Governor's Award winning joint effort between the City of Columbus and the Solid Waste Management District (SWMD). This program is currently a SWMD only program. Materials collected were cardboard, computer paper and white copy paper. Mixed office white, junk mail and shredded paper were added to the collection program in 1997 in an effort to capture a larger portion of the commercial waste stream. The collaboration collects paper products using a conventional refuse collection truck and delivers materials to the recycling center for processing and shipping.

In 2004, the District purchased an industrial size baler in order to keep up with the escalating volumes of cardboard processed at the recycling center. The auto-tie, open-door baler also increased employee productivity.

In 2006, the District utilized a \$15,000 grant from the Indiana Department of Environmental Management to upgrade the commercial collection program. Funds were used to pay half the cost of cardboard collection containers to entice new subscribers and publishing of business recycling booklets that were distributed to current clients and prospective businesses.

Since the program's inception, participation and volumes have steadily increased, thanks in large part to business recycling advertisements, the inclusion of industry to the program and several grant opportunities that have allowed the District to offer local businesses recycling dumpsters at half the normal cost. In 2014, the District assumed the sole responsibility of collection from the city collaboration in an effort to expand the program. In 2015, there were approximately 250 stops in the Commercial Cardboard and Office Paper Program. In 2015, BCSWMD purchased new cardboard containers to replace damaged containers and provide containers to new businesses. This program continues to increase with 301 stops (238 customers) in 2018 and is our second largest program to divert large amounts of waste materials from the landfill; volumes in 2018 reached 3,304,712 pounds (1,652 tons), which is an increase from 1,066,062 lbs. in 2017. We continue to purchase new containers yearly to expand the program and replace damaged containers, which is our second highest diversion program.



Ray's Trash Service (Abitibi Bowater) EcoRewards Program



In 2011, a new program called EcoRewards was introduced to Bartholomew County for businesses to receive curbside service for all recyclable materials. Owned by the same company as Paper Retriever, the EcoRewards Recycling Program is aimed to help "green" businesses. In August of 2014, Ray's Trash Service bought out the Indianapolis market and took over the program. Ray's helps clients redirect waste and disposal costs to minimize the impact on the environment. The EcoRewards Program collects and recycles paper, plastics (#1-#7), cardboard, aluminum and steel cans at each business. There is a cost for the service, however, a rebate is offered each month for the volume recycled. This helps businesses trim down on their waste disposal expenses and help the environment at the same time. Currently, there are 10 participating in the program: Apex Tools, Columbus Child Care Center, Estep & Company, LHP Software, Mount Healthy Elementary, Parkside Elementary, Ricoh USA, Sunright America, Taylorsville Elementary, and Verizon. In 2018, the EcoRewards program collected 245,700 (123 tons) which is down slightly from 251,600 pounds of material that were recycled in 2017.

Reuse **Little Red Schoolhouse (Recycling Center)**

In 1998, thanks to a donation from the Custer-Nugent Foundation, the District opened The Little Red School House (LRS) Teachers Reuse Facility behind the Columbus/Bartholomew Recycling Center. Bartholomew County teachers can shop for educational supplies, donated by local businesses and residents, at no cost. Educators can access the LRS during normal Recycle Center hours: Tuesday -Saturday from 7:30am – 4:30pm.

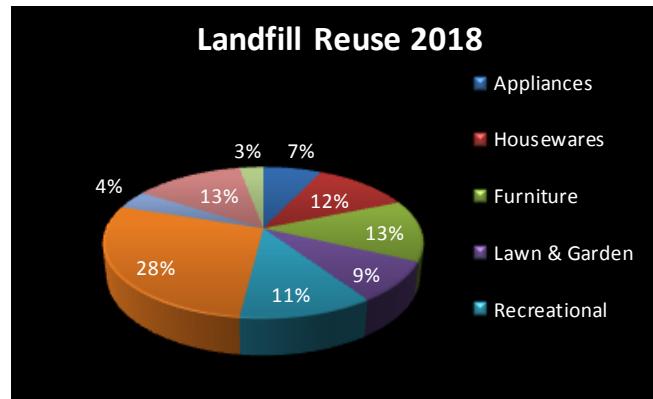
Landfill Reuse Center

In 1999, the District opted to take another slice of the landfill pie out of the waste stream by opening the public drop and swap reuse center at the new landfill. Residents could drop-off reuse items for others to take home at no cost, thus reducing waste from entering the landfill and reusing salvageable items. In 2003, through a grant from IDEM, the center added a new building that would house a drop-off area for reuse items. Materials could then be dropped off on one side and picked up on the other. This permitted the reuse and recycling attendant to keep track of the volume of materials dropped off for reporting purposes and discover what might be wrong with the item as to inform the future owner.

Items accepted for Reuse include appliances, housewares, furniture, lawn & garden, recreational, office, automobile and building supplies. Exclusions include CFC or refrigerant containing appliances, mattresses, stuffed furniture unless in excellent condition, tires, HHW, medications and firearms/ammunition.

In 2015, the District partnered with Ohio Mills Corp. to provide a clothing bin that would accept residents used clothing for recycling. The clothing bin is stationed at the Reuse Center. This service was discontinued in 2018 due to vendor issues.

In 2018, The Reuse Center brought in approximately 145 tons (289,425 lbs.) of reusable items. This is down from the 163 tons of reusable items in 2017. Furniture, housewares, office equipment and building supplies are the most frequently reused items.



Little Red Schoolhouse Too (Landfill)

The new building added in 2003 to the landfill also houses the Little Red School House Too (LRSH,Too), an extension of the original LRSR located at the Recycling Center. While the original LRSR had classroom supplies, the new center would make available furniture and other durables to teachers, also at no charge. The reused items are either donated by the general public or garnered through NAEIR (National Assoc. for the Enhancement of Industrial Resources), a not-for-profit organization that supplies scratch and dent or unused material to other not-for-profit entities at shipping cost only. The grand opening took place in January 2003 with several businesses and local dignitaries in attendance. The operating hours of the LRSR Too were changed toward the end of 2018 to better meet the needs of teachers, offering 4 dates in 2019 from 9 am to 11 am and by appointment.



Education and Community Outreach

On September 9, 1996, a part-time Recycling Educator was added to the staff. As our twenty-year plan progressed, the District recognized the increasing need for ongoing public education and a full-time Education Coordinator. The part-time position was upgraded to full-time in January of 2001. In 2018, emphasis has been placed on continued school and community outreach programs as well as forging relationships with local businesses and not-for-profits.

Educational Outreach 2018

Touch-A-Truck – The Compost Turning Machine made an appearance as part of the Touch-A-Truck event at Clifty Park. The Compost Turner was equipped with a slide so students could climb up and explore the machine, then slide down when they were finished. Over 600 students in Pre-K through 2nd grade attend the annual event.



In-classroom/After School Programs— Presentations in the classrooms continued to maintain popularity in 2018. The Education Coordinator presented to approximately 2,000 students. Presentations were also given outside of school hours to Boy & Girl Scouts, after-school clubs & summer camps on various topics including the 3R's, landfills, water quality, composting and more!

The Landfill Field Trip— Over 500 residents from 3rd Grade through adults visited the Landfill in 2018. The Education Center is an origination point for all landfill tours. Followed by a trolley ride to the landfill lookout tower and wetlands. The trolley, donated in 1999 by the Custer Foundation, is pulled around the landfill by a tractor with stops at the active disposal cell, a disposal cell being constructed (when available), a leachate storage pond, wetlands area, the scale house and the recycling/reuse center. In 2018, the District partnered with Stone Belt and Silver Oaks Retirement Center to allow more people to participate in the District's landfill tours.

Recycling Center & Bioswale/3 R's Pavilion Tour – Many teachers recognized the importance of showing students where the recyclables go and how they are processed. We welcomed 475 students for the Recycling Center Tour in 2018. The Bioswale and 3R's Pavilion signage was updated in 2017.

The Little Red School House - The popular reuse center provides local educators with materials donated by local residents and businesses that would normally be landfilled. This program is popular with Bartholomew County Teachers as well as with Girl Scouts, Boy Scouts, Bible School Classes and Home School Teachers. The supplies are given to educators at no cost to taxpayers. Signage on the building was updated in 2017. Pictured: A group of Vacation Bible School youth play catch & toss the ball with milk jugs in 2018.



Columbus East and North Senior Projects– In 2018, the Education Coordinator mentored 8 seniors with their senior projects by providing information and resources on recycling and the environment. Projects, this year have included used shoe drives, document shredding, bioswale refurbishing, Earth Day planning and creative reuse projects. The Education Coordinator also served as a panel judge during senior project presentations.

Adult & Public Presentations- Presentations and information on a variety of topics including recycling, water quality and landfills were given to 800 adult members of the community. Special events included area business's environmental health and safety fairs, Stone Belt, Silver Oaks Retirement Center, Ivy Tech Ag class and English as a Second Language Classes from McDowell. Traditional events included: The Bartholomew Co 4-H Fair, Déjà Vu Art and Fine Craft Show, Earth Day and America Recycles Day. We partnered with Bartholomew County Soil & Water to organize a presentation on the topic of Pollinator Gardens for the community, which was well attended

Community Outreach

Earth Day– The District celebrated Earth Day at the Columbus/Bartholomew Recycling Center by offering residents the opportunity to recycle their refrigerant containing devices, tires, and propane tanks, at no cost. These hard to dispose items are banned from landfill disposal so the District provides the service twice per year to dissuade illegal dumping. The total of hard to dispose items recycled during the 2018 Earth Day Event were 21 Propane Tanks, 249 Tires and 67 CFC containing appliances. Kidscommons and the Bartholomew County Radio Controlled Fliers participated by providing activities and educational booths. Other activities on Earth Day included a plant swap, hot dog roast, free loading of mulch or compost, rain barrel and compost bin giveaway, document shredding, t-shirt giveaway, American Plum tree sapling giveaway, Bee Hotel demonstration and Re-Use art activities (pictured).

America Recycles Day – The District celebrated America Recycles Day at the Columbus/Bartholomew Recycling Center by offering residents the opportunity to recycle their CFC appliances, tires, and propane tanks at no cost. During the event, 30 propane tanks, 130 CFC appliances and 200 tires were recycled. Thanks to their efforts, all materials were properly disposed of at no cost to Bartholomew County Residents. In addition to the Amnesty Day, the Education Coordinator was “catching” people recycling at the Recycling Center and the Landfill on America Recycles Day rewarding recyclers with prizes and thanking them for their recycling efforts.



Déjà vu Fine Craft and Art Show— The District also celebrated ARD by sponsoring the Déjà Vu Fine Craft Art Show in downtown Columbus at The Commons. Over 1,500 visitors, from Bartholomew County and surrounding counties and states, were exposed to over 60 artists that used a variety of “reused” or “recycled” mediums in their work. The Education Coordinator had a presence at the event distributing reusable shopping bags and recycling and waste disposal information to attendees.

Community Presentations and Collaboration-Community groups requesting presentations included: Master Gardeners-Purdue Extension, Engage Columbus, Kiwanis Club, Rotary Club and Ivy Tech Community College. BCSWMD collaborated with Bartholomew County Soil and Water to organize speakers to present a Pollinator Workshop for the community.

Adopt-A-Road— We continue to add local organizations to the Adopt-A-County Road Program. Participants agree to clean at least a one-mile section of a county roadway twice per year. Signs are then erected recognizing each individual group. Nineteen groups/organizations with over 220 volunteers picked up 337 bags of trash and covered over 25 miles of county roadway in 2018. Pictured: Ivy Tech Community College

Community Event Recycling— In 2018, the District loaned event recycling containers to several area organizations to promote plastic bottle and aluminum can recycling at several community events including Alzheimer Walk, Love Chapel-Soup Bowls, March of Dimes Walk, Cummins, and the Scottish Festival.



Media Outreach

District Website— In 2016, the District updated the website with a new look and has continued to provide updates in 2018 as needed working through a webmaster. The site can be accessed at www.bcswmd.com.

Facebook— The District Education Coordinator maintains a Facebook page in order to provide more communication between the District and residents of Bartholomew County. In 2018 we had 558 followers. Find us on Facebook at Bartholomew County Solid Waste District.

The Republic Newspaper - The Education Coordinator composes a monthly column in the Republic Newspaper that provides information about waste and environmental issues as well as District services and events.

AM Columbus with John Foster & The Q-Mix Morning Show - The Education Coordinator participates in a monthly radio show on 1010 WCSI providing information on environmental issues, District services and upcoming special events. Appearances are also made on QMIX and other local radio stations as needed for promotions and events.

Future Plans for Educational and Community Outreach

The Education Coordinator will continue aggressive outreach programs, educating local business and residents on waste minimization, reuse, and recycling options in Bartholomew County.

Key goals for 2019 include:

EDUCATION OUTREACH

- The District will continue to provide education and current events through in-classroom and special presentations with an increase of 10 presentations in 2019.
- The District will increase the number of 7th-12th grade student presentations by 10, in 2019.
- The District will increase the number of teachers visiting the Little Red School House & Little Red School House Too by 20 teachers in 2019 by increasing press and outreach about the program.
- The District will provide at least 2 free adult educational seminars on the topic of the environment in 2019.
- The Education Coordinator will mentor 10 High School Seniors that choose an environmentally friendly Senior Project in 2019.
- The District will provide 22 Recycling Center Tours in 2019, which is an increase of 5 from the 17 given in 2018.



KEY GOALS FOR 2019 CONT...

COMMUNITY OUTREACH

- Ongoing development of the Adopt-A-County Road Program so local organizations can give back to the community by cleaning county roads. Two new organizations will Adopt-A-Road in 2019.
- Celebration of Earth Day at the Columbus/Bartholomew Recycling Center. The celebration will include the semi-annual Amnesty Day for hard to dispose items, our annual plant swap and more. Two new interactive Bioswale and Pavilion displays will be added in 2019.
- Celebration of America Recycles Day at the Columbus/Bartholomew Recycling Center. The celebration will include the semi-annual Amnesty Day for hard to dispose items, Déjà Vu Fine Craft & Art Show and “Get Caught Recycling”. Two new vendors will participate in the “Get Caught Recycling” promotion in 2019.
- Loan recycling containers to 10 individuals and/or businesses to provide a recycling option at their event. Five events borrowed containers in 2018.



MEDIA

- The Education Coordinator will write 12 articles in the Republic Newspaper linking with other media avenues.
- The Education Coordinator will update all public outreach material by the end of 2019.
- The Education Coordinator will post on social media at a minimum of 3 times per week; in addition to advertising Public Service Announcements for holidays and events on local radio, social media and in presentations.



Columbus/Bartholomew Yard Waste Site

History

Yard Waste management activities were initiated in 1989 by the Bartholomew County Recycling Task Force. This ad hoc group of interested citizens was formed to promote recycling in Bartholomew County. Their investigation into a broad spectrum of waste reduction schemes led them to recommend the implementation of a leaf/grass composting operation for Bartholomew County.

Using property jointly owned by the City and County, the City of Columbus began this operation in the fall of 1990. City crews collected the fall leaves, which were brought to the new composting facility located adjacent to the City Garage. A private contractor was hired by the SWDA to operate the site in conjunction with the new City Garage Foundry Sand Site. A total of just over 11,000 cubic yards of leaves, and some grass, were placed into windrows. During this same time, the SWDA had applied to the Indiana Department of Environmental Management for their first round of recycling grants. The SWDA was successful in obtaining \$10,000 from the State towards the purchase of a windrow-turning machine. Cummins Engine Company donated a diesel engine for the compost turner. Christmas 1990 also marked the inauguration of the SWDA's Christmas tree collection program, "Bring One for the Chipper". A total of 3,142 trees were diverted from the landfill and chipped into holiday mulch that year.

Since that first year, private lawn care firms and residents have been encouraged to use our facility for their grass clippings. All materials brought to the site MUST be debagged by the generator. In the fall of 1991, the SWMA purchased a brush chipper to gain experience with wood waste management. In 1994, faced with an impending State Ban on yard waste, the SWMA decided to use a private contract service provider for brush grinding services.

The District opted to continue the local ban on landfill disposal of leaves, grass, brush, and garden waste even though the State repealed portions of the yard waste ban in 1995. Commercial brush receiving at the yard waste site and loading of compost/mulch were discontinued in 1997 but due to public demand, commercial brush receiving was reinstated. Residents may still self-load during regular Recycling Center business hours as supplies are available. In the spring of 2000, the District took delivery of a new, self-contained, windrow turner. This replaced the pull-type turner used since the inception of the yard waste program in 1990. The new turner, funded in part by a \$100,000 Traditional Grant from IDEM, improved the efficiency of processing yard waste due to its single pass capability. The machine also utilizes a high-speed drum, which helps break down the yard waste much quicker.

In the Spring of 2001, the City of Columbus began accepting yard waste in Toter carts only. The new format meant cleaner compost, since plastic bags were omitted from the program. The District Education Coordinator assisted the City in educating the public of its new collection method at various Mayors' Town Meetings. As always, residents are encouraged to leave yard waste on the lawn. The technique of mulching your grass and leaves returns valuable nutrients to the lawn, prevents weeds from seeding, and helps keep moisture in during dry summer days.

In 2002, the District began selling its overstocked mulch as a means of recapturing grinding costs. In 2008, the District recovered \$73,391.56 from the sale of mulch and compost, covering all costs of the grinding operation. A supply is always available at no cost to local residents. In 2004, the District began its Friday only loading program (April through October). Residents can get a pick-up truck size load of compost or mulch loaded for \$10.00. Hours for the program are Friday's only from 2:00pm – 4:30pm. In 2008, two days at the end of March were set aside to load compost and mulch for senior citizens and we continue to offer this popular program. A new loader was purchased for use in the yard waste site in 2016. In 2017, we also sold leaf compost as well as our overstocked mulch to a landscape business through a bidding process.



Pallet Grinding

In 2000, the County Commissioners recommended that the District look into alternatives to landfilling of pallets. After thorough research by the District, it was decided to add pallets to the menu of materials accepted at the Yard Waste site. The skids are dropped off by local businesses at a cost of \$0.60 cents per unit. The pallets are ground into high-grade mulch and given back to the public at no cost. The program has diverted over 586 tons of pallets in 2018 and 3,961 tons since its conception in October of 2001.

2018 Operating Information

Materials Accepted

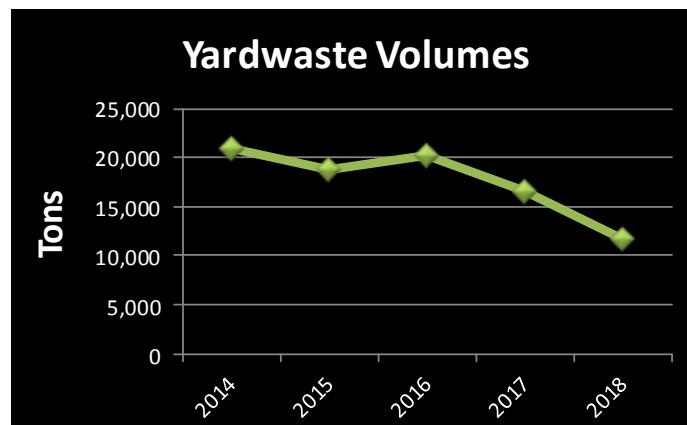
Grass • Leaves • Garden Waste • Flowers • Weeds • Brush & Tree Trimmings • Shrubs & Bushes

Hours of Operation & Fees

Residential	Commercial																				
<p>(Drop Off and Self-Load)</p> <p><u>Monday-Friday</u> 7:30am-4:30pm</p> <p><u>Saturday</u> 7:30am-4:30pm</p> <p><i>Residents also can participate in mulch/compost loading every Friday April-October 2pm-4:30pm. Each pick-up size load of material is \$10. Free loading for Seniors is available the last two Wednesday's in March from 8:00 am to 12:00 pm.</i></p>	<p>(Drop-Off Only)</p> <p>Monday-Friday 7:30am-4:30pm</p> <p><i>Businesses are charged by load size for brush and tree trimmings to offset the cost of grinding. Leaves and grass are accepted at no charge.</i></p> <p>Fees (As of Aug. 1, 2018)</p> <table> <tbody> <tr> <td>Heaping Pick-Up</td> <td>\$19</td> </tr> <tr> <td>1-Ton Single Axle</td> <td>\$36</td> </tr> <tr> <td>2-Ton Truck</td> <td>\$55</td> </tr> <tr> <td>20-30 Yd. Roll-Off</td> <td>\$55</td> </tr> <tr> <td>2-3 Axle Dump Truck</td> <td>\$73</td> </tr> <tr> <td>40 Yd. Roll-Off</td> <td>\$73</td> </tr> <tr> <td>Semi Trailer</td> <td>\$109</td> </tr> <tr> <td>Standard Chip Truck</td> <td>\$36</td> </tr> <tr> <td>Stumps (<3')</td> <td>3x brush rate</td> </tr> <tr> <td>Pallets</td> <td>\$0.60/ 4x4 size</td> </tr> </tbody> </table> <p>Heaping loads subject to additional fees</p> <p>No land clearing projects accepted</p>	Heaping Pick-Up	\$19	1-Ton Single Axle	\$36	2-Ton Truck	\$55	20-30 Yd. Roll-Off	\$55	2-3 Axle Dump Truck	\$73	40 Yd. Roll-Off	\$73	Semi Trailer	\$109	Standard Chip Truck	\$36	Stumps (<3')	3x brush rate	Pallets	\$0.60/ 4x4 size
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Yard Waste Volumes Received

In 2018, the Yard Waste and Composting Site diverted a cumulative total of 11,668 tons (23,335, 630 lbs.) of yard waste and pallets from going into the landfill. 146 tons (292,440 lbs.) were received as part of the “One for the Chipper” Christmas Tree recycling program. \$75,475 was received for yard waste, pallets, loading of mulch and compost, and mulch sales in 2018. The chart below shows the volume of material processed at the Columbus/Bartholomew Yard Waste Site since 2014, our highest diversion program.





Household Hazardous Waste

History

Household Hazardous Waste (HHW) refers to a whole range of products found in the home that in their original form, are best kept out of a sanitary landfill. About 80% of all HHW consists of two materials; used motor oil and waste paint. Other common items include automotive antifreeze, old gasoline, weed killers, pesticides, drain cleaners and auto or rechargeable batteries.

Until the early 1990's, we disposed of all of these items along with our regular refuse or worse, we dumped them carelessly into the environment. We now know that dumping these products out into our yards or storm sewers harms the environment in a variety of ways. While our sanitary landfill is designed to contain all household quantities of these materials, there are advantages to keeping these out of the waste stream. For example, at our landfill we must collect all of the rainwater that percolates through the refuse. This liquid, called leachate, is then treated and disposed of at the wastewater treatment plant. Just as industrial users pay more for the treatment and disposal of more concentrated wastewaters, so too does our landfill.

The collection of HHW began in May of 1990. The Saturday recycling offered at the Columbus City Garage afforded disposal of used motor oil and automotive batteries. After construction of the Columbus-Bartholomew Recycling Center (C/B Recycling Center) in the summer of 1992, the SWMA increased the disposal availability for these materials to include Tuesday's and Thursday's, as well as Saturday's. The SWMA also began to evaluate single event HHW collection, commonly called Tox-A-Way days, versus a fixed facility collection program. The SWMA concluded that a fixed facility could offer a weekly service for the same cost as a one-day event. Starting in May 1994, a small purpose containment building was purchased and placed adjacent the C/B Recycling Center. A one-half day per week program, called Tox-A-Way Wednesdays, was initiated. Mercury-containing items were added to the menu of materials accepted in 1998. Development of the District website in 1999 allows residents to seek alternatives to HHW and has proven to be one of the most accessed pages of the Internet site.

Oil and oil filter recycling at the county landfill were added to the menu of services offered in 1999. A grant from IDEM was used to fund a 400-gallon oil reservoir that was placed in the reuse barn at the small load area of the landfill. Residents can recycle their waste oil and filters during regular landfill operating hours.

In 2000, the District offered free recycling of CFC (Freon) containing appliances at the Columbus/Bartholomew Recycling Center on Earth Day and America Recycles Day. Also, tires were added to the menu of hard-to-manage problem wastes.

Elemental Mercury was added to the menu of HHW reclaimed during the Wednesday Tox-Away-Day in 2002. New edicts passed down by the State mandated removal of Mercury containing items from all schools as a safety precaution.

In 2003, computers were added to the list of recyclables accepted at the Landfill including monitors, tower and associated peripherals (mouse, keyboard, etc.). Up to 2 computers were accepted at no cost to Bartholomew County residents.

In 2005, the District had specific staff members attend CFC removal training so we could recycle internally instead of through a contractor. As a result of that training, the District began offering recycling of refrigerant containing appliances year round at the landfill for a \$20 per unit fee. Whole tires were also added to the menu of materials accepted for a fee.

In 2008, the District began accepting compact fluorescent and CFL light bulbs for recycling. These energy saving devices are enjoying widespread acceptance. Some contain trace quantities of mercury and are therefore accepted for recycling.

In 2009, the District discontinued the collection of non-rechargeable household batteries due to changing DOT transportation regulations. The District continues to accept rechargeable and automotive type (lead acid) batteries.

In 2011, computer recycling was expanded by the District accepting computers at the Columbus/Bartholomew Recycling Center.

In 2012, the District purchased an oil can crusher in order to reduce our cost of proper disposal. We estimate we could save as much as \$1,750 in 2013. As well through the oil crushing process we reclaim a small amount of oil. This oil can then be used to heat our Recycling Center through our oil-burning furnace.

Also in December 2012, the District expanded the electronics recycling from just computers to include all electronics with a power cord. This includes televisions, office equipment, household appliances, and computers. Exclusions include console/projection televisions, non-intact appliances, items com-

posed of glass/wood/ceramics, and refrigerant containing appliances. Electronics are being taken free of charge for recycling at the Landfill and Recycling Center locations during normal hours of operation. As well CFL tube lighting was added to the recyclables list including 2 feet, 4 feet, and 8 feet lengths.

In 2013, the District started offering Vinyl Siding recycling at the Columbus/Bartholomew Recycling Center. The District is working with a vendor that accepts clean (free of other materials) vinyl siding for recycling. Approximately, 3.40 tons of vinyl siding was diverted from the landfill through this program.

In 2014, The District expanded the Household Hazardous Waste program by adding smoke detectors and alarms to the list of accepted items.

In July 2017, a \$20 fee was instated for Computer Monitors and Televisions due to rising costs from our Recycling vendor.

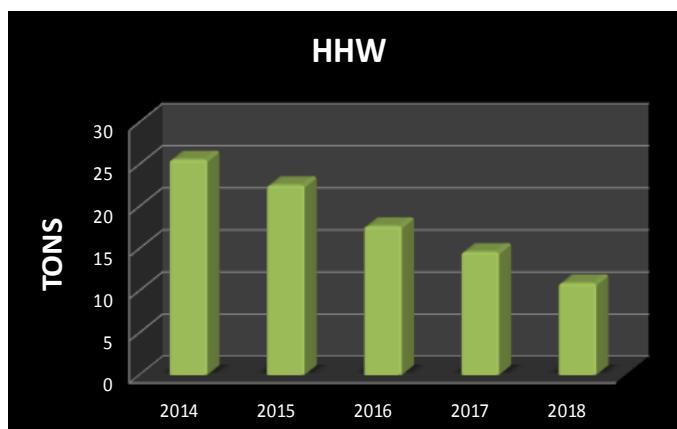
The semi-annual Amnesty Days (Earth Day and America Recycles Day) in 2018 were successful in serving approximately 250 residents. In total, the District collected approximately 449 tires, 197 refrigerant-containing appliances (CFC) and 51 propane tanks.

Tox-A-Way/HHW

Operating Information

In 2016, the Tox-A-Way program was expanded to 4 days a week instead of just Wednesdays. Residents can now bring HHW to the Recycling Center Tuesday—Friday 7:30 A.M.-4:30 P.M.

District programs received a total of 10.918 tons or 21,835 lbs. of material diverting it from the environment (streams, rivers, storm water drains, roadside ditches, landfill) from the 4 day a week program.



<u>Materials Accepted</u>	<u>Hours of Operation</u>
<ul style="list-style-type: none"> • Automotive & Rechargeable Household Batteries • Waste Motor Oil & Oil Filters • Hydraulic Oil • Cooking Oil • Oil Based Paint & Stains • Paint Thinners, Mineral Spirits, Finishes, Varnish, Polyurethane • Anti-freeze • Fuels (Diesel, Gas, Kerosene) • Mercury Containing Products • Weed/Brush Killers, Lawn Fertilizers • Smoke Detectors/Alarms • CFL Fluorescent Bulbs/Tubes • Fire Extinguishers 	<p>Tox-A-Way Household Hazardous Waste (HHW) Tuesday-Friday 7:30 A.M.- 4:30 P.M. At the Columbus/Bartholomew Recycling Center 720 S. Mapleton St. Columbus IN 47201</p> <p>For Bartholomew County Residents Only</p>

Rural Refuse Collection

History

The Saturday Rural Refuse collection program was started in 1972 as the "Clean-Way Packer Service", two years prior to the opening of the Bartholomew County Landfill. The Saturday program was intended to provide service to county residents living away from the proposed new landfill site in Petersville.

The Bartholomew County Solid Waste Management District has retained the county rural refuse collection program. By 1999, the service was consolidated to provide service at two locations in the county using refuse collection trucks (SR 46 West at the ABC Stewart School, and Long Road approximately ½ mile off Indianapolis Road) from 8 a.m. to 3 p.m. every Saturday except those following a major holiday. The District also operates the Petersville Convenience Station on SR 46 East, at the old landfill location every Saturday from 8:00 a.m. to 3:00 p.m. via contract services. This facility was opened the first Saturday in April, 1999.

The District's 20-year solid waste management plan called for the consolidation of the mobile sites into a lesser number of fixed facilities like the Petersville Station. This was planned because the cost per ton for the fixed locations is less than half the cost for packer truck collection and, the fixed locations offer recycling services and potentially collect disposal fees from all users.

In late March 2003, the District was requested by school officials to abandon the packer truck collection service at ABC Stewart. A new site (Harrison Township), 2 miles west was identified and secured for use courtesy of the Irwin-Sweeney-Miller Foundation.

In late 2006, the District learned that the Harrison Township site was being donated to the Sycamore Land Trust. The transfer has been accomplished. Our District has entered into a long term (20 year) lease agreement with the land trust. In 2008, the District sought and received a Conditional Use Approval from Columbus Planning Department. This final approval allowed us to construct the planned improvements in late 2009. We began operation of the new station in early 2010.



Current Operations

In late 2009, the District began construction of a convenience station at our Harrison Township site. The last packer truck based collection, at Long Road, ceased operating in March 2010. The new Harrison facility was opened concurrently.

Our residents now enjoy a paved, easy access experience at both our Petersville and Harrison Township Convenience Stations. They also enjoy expanded recycling options every Saturday. Cost savings to the District (with the Long Road closure and Harrison opening) exceed \$35,000/year. A metal recycling bin was added in January 2017 to the Harrison Township site. Tonnage for 2018 was 798 tons at Petersville and 745 tons at Harrison.

Future Plans

No changes are planned in the near future. Our fixed convenience stations, coupled with our landfill provide cost effective services for all our county residents. We hope to add a metal recycling bin at Petersville in 2019.

City Garage Construction Demolition Site

History

In 1985, the City of Columbus and Bartholomew County each adopted economic development ordinances to fund the disposal of spent foundry sand from Golden Castings at our sanitary landfill. The City and County each agreed to provide up to \$16,000 per year, for a period of 10 years (1986-1995). It was soon learned that this was insufficient to pay for the increasing sand tonnages.

In an effort to reduce foundry sand disposal costs, the SWMA developed the City Garage Foundry Sand Site in July of 1991. Subsequently, all of Golden Casting's sand was received at this facility.

New Sand Disposal Area History

The property purchased by Golden Castings consists of approximately 62 acres immediately adjacent to the City Garage site. Allowing for the required 100 foot setback along property lines yields about 47 acres for disposal. The fill height will be limited to elevation 630, in order to blend in with the surrounding property. Therefore, this site will provide approximately 1.3 million cubic yards of disposal space. Assuming an average density of 95 lbs./cu. ft., the site will hold 1.67 million tons. At a generation rate of 70,000 tons per year, this site should provide 24 years of disposal capacity.

The SWMA/District assisted Golden Castings in rezoning the property to a Special Use - 14 classification. In December 1995, the District and SWMA executed a contract with Golden Casting, which allows for the SWMA to construct and operate the new disposal area on a cost basis. The property is to be deeded to the City and County. By working cooperatively, the District, SWMA and Golden all benefit from this agreement. Per contract terms, the SWMA has moved its yard waste operations to an unused portion of the property, providing much needed additional space. The final disposal cell at the original disposal area was filled in 1996.

The City Garage Foundry Sand Site was originally permitted by the State to accept spent foundry wastes (Type III or IV only) from Golden Castings, Inc. only.

In October 1996, we received approval from the State of Indiana to begin using a new disposal area, immediately south of the original area.

The 2002 new disposal capacity built at the site was used temporarily for the storage of semi-trailers by Dorel Industries to aid their facility expansion project. In 2004, Dorel Industries discontinued their use of our site. Only a small quantity of sand was received at the site as part of the cleanup of Golden in 2002/2003.



Current Operations

In 2005, the District received approval from IDEM to allow the acceptance of construction/demolition materials at the site. Since 2006 the site, by permit, is only allowed to accept C/D materials. In 2008, we received a substantial amount of home demolition material from the record flood of June 7. In 2009, we constructed additional disposal capacity at our site (cell 150'x700'). This capacity will be used for larger demolition projects in our community.

Inspections

The City Garage site is inspected by the Indiana Department of Environmental Management (IDEM) for compliance with regulations governing construction, operations, and permit conditions. These inspections are conducted on a quarterly schedule.

Future Plans

The conversion of the site to a construction demolition fill area for large projects such as the Golden Casting demolition and the Central Middle School demolition (completed in 2007) has proved a valuable tool to preserve landfill capacity. In 2013, we received debris from a small Town of Hope demolition project totaling 1,989.52 tons diverted from our municipal landfill. In 2014, we diverted 160 tons of debris from our landfill for construction of a duplex on 9th street in Columbus. In 2018, our construction demolition site was used for 200 tons of C/D material. We will continue to use this site for municipal projects that are acceptable for disposal.

Historic Tonnages

2014	2015	2016	2017	2018
588	381	150	607	200



**BARTHOLOMEW COUNTY SOLID WASTE MANAGEMENT DISTRICT
FINANCIAL STATEMENT OF REVENUES AND EXPENDITURES
FOR THE YEAR 2018**

Beginning Balance of General Fund Budget JANUARY 1, 2018	\$ 3,484,066.00	100%
Encumbrances from 2017	\$ 225,203.64	

Y-T-D

REVENUES:

District Tax	\$ 891,868.51
Landfill Tipping Fees	\$ 1,700,745.57
Scalehouse Receipts Daily	\$ 170,416.11
Construction/Demolition Fees	\$ -
Sale of Recyclables	\$ 207,332.01
Tires	\$ 2,671.80
Refrigerators	\$ 4,940.00
Monitors and TV's	\$ 19,226.08
Loading	\$ 3,290.00
Yard Waste	\$ 51,594.00
Pallets	\$ 2,190.90
Sale of Compost and Mulch	\$ 14,796.00
Farm Rental	\$ 31,057.00
Miscellaneous	\$ 423.58
Reimbursements	\$ 2,520.03
Donations	\$ 8,417.08
Interest on Sweep Account/Checking Int.	\$ 765.69
Transfer of Funds to General	\$ -

Total Revenues \$ 3,112,254.46**EXPENDITURES:**

100 Salaries, Wages, Fica/Med and Benefits	\$ 928,948.93	<u>Unexpended Balance Remaining</u>
		\$ 112,582.45
200 Materials, Supplies, Repairs	\$ 68,223.87	11%
300 Services and Other Charges	\$ 1,884,510.83	\$ 14,433.73
400 Buildings, Machinery and Equipment	\$ 311,635.96	12%
Total Expenditures	\$ 3,193,319.59	\$ 127,964.79
		29%
		14%

Ending Balance of General Fund Budget December 31, 2018 (After Encumbrances)	\$ 515,696.92
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Encumbrances upon approval of Resolution 2-2019	\$ 285,213.31
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Note: \$23,048.36 will be transferred to Rainy Day Fund January 2019 upon approval of Resolution 1-2019

Cash Balance January 1, 2018	\$ 3,917,933.79
Deposits	\$ 3,170,928.55
Withdrawals	<u>\$ 4,674,970.46</u>
	\$ 2,413,891.88

Cash Balance December 31, 2018	\$ 2,413,891.88
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General Fund Investment Balance	\$ 1,419,634.89
Total 2018 General Fund Cash Balance with Investments	\$ 3,833,526.77

Rainy Day Fund Balance 2018 Included in General Fund \$144,585.34

Total 2018 Closure/Post Closure Balance with Investments	\$ 2,009,780.05
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