

APPENDIX B Recycling Infrastructure Inventory

NOTE: In the tables in Appendix B the following abbreviations for “Materials Collected” will be used: OCC – Cardboard; News – newspaper; MxP – mixed paper; StC – Steel cans; AIC – aluminum cans; PIC – plastic containers. PIC includes only plastic bottles and jugs #1 and #2 unless otherwise noted.

The county column has been omitted from all the tables in Appendix B. Darke County SWMD is a one county district and all curbside and drop-off sites are in Darke County only.

Table B-1a: Inventory of Non-Subscription Curbside Recycling Services Available in the Reference Year

ID #	Name of Curbside Service	Service Provider	How Service is Provided	Collection Frequency	Materials Collected	Type of Collection	PAYT (Y/N)	Materials Collected (tons)	Service will Continue Throughout Planning Period (Y/N)
NCS1	Versailles Village	Versailles Village	Village service department	weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Manual	N	507	Yes
NCS2	Arcanum Village	Bestway	Contract between village government and private hauler.	weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Manual	N	Not reported	Yes
Total								507	

The Village of Versailles provides waste collection and curbside recycling services to all the residents of the village and to commercial establishments. The commingled materials are collected separately from waste. The Village transports and markets the materials and reports the amount recycled annually.

Arcanum Village recycling service was provided by Bestway in the reference year 2018. Bestway did not report the amount of recycling collected. In 2020, the Village negotiated a new contract with Rumpke. The amount of household recyclables collected in 2020 from Arcanum will be included in the total recycling from curbside collection and from drop-offs reported by Rumpke.

Table B-1b: Inventory of Subscription Curbside Recycling Services Available in Reference Year

ID #	Name of Curbside Service	How Service is Provided	Collection Frequency	Materials Collected	Type of Collection	PAYT (Y/N)	Weight of Materials Collected from SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)
SC1	Greenville City	Private Hauler, agreement with city for exclusive right to service residential customers.	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	Yes	See note 1	Yes
SC2	Palestine Village	Private Hauler, agreement with village for exclusive right to service residential customers.	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes

ID #	Name of Curbside Service	How Service is Provided	Collection Frequency	Materials Collected	Type of Collection	PAYT (Y/N)	Weight of Materials Collected from SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)
SC3	Adams Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC4	Brown Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC5	Butler Township (South of St. Rt. 47)	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC6	Franklin Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC7	Greenville Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes

ID #	Name of Curbside Service	How Service is Provided	Collection Frequency	Materials Collected	Type of Collection	PAYT (Y/N)	Weight of Materials Collected from SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)
SC8	Harrison Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC9	Jackson Township (South of St. Rt. 47)	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC10	Liberty Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	N	See note 1	Yes
SC11	Monroe Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	N	See note 1	Yes
SC12	Neave Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	N	See note 1	Yes

ID #	Name of Curbside Service	How Service is Provided	Collection Frequency	Materials Collected	Type of Collection	PAYT (Y/N)	Weight of Materials Collected from SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)
SC13	Richland Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	N	See note 1	Yes
SC14	Twin Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	N	See note 1	Yes
SC15	Van Buren Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC16	Washington Township	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
SC17	Wayne Township (South of St. Rt. 47)	Private hauler	Weekly	OCC, News, MxP, Glass, StC, AIC,PIC	Single stream , Semi-automated	No	See note 1	Yes
Total								

Note 1: Rumpke is the private hauler providing the curbside service listed in Table B-1b. The amount recycled from all the curbside programs listed in the table was reported by Rumpke as amounts processed and recycled at Rumpke processing facilities. The total amount of residential and commercial recycling reported by Rumpke for 2018 is included in the *Table B-7 Inventory of Material Handling Facilities Used in the Reference Year* total. Rumpke reported all of the Res/Com recycling as a total amount from all of Rumpke's recycling services in the District. The amounts for individual programs and locations is not available to the District.

Greenville City waste collection, recycling, and yard waste collection were provided by Rumpke in the reference year. Through a contract with the city, Rumpke is the only hauler that provides residential waste service to single and multi-family dwellings that use individual collection services. Individual households must sign-up with Rumpke for service and pay Rumpke directly. The vast majority of residents use the cart waste collection service and therefore automatically have curbside recycling service. There is an option designed for households that do not generate as much waste to purchase bags at local stores. The marked bags can be used to set out smaller amounts of waste. These households can also set out recycling. Although most households in Greenville subscribe, the District does not have access to the number of households that have regular cart service. The program, therefore, does not meet the technical definition of non-subscription curbside.

Palestine Village waste collection and recycling services were provided by Rumpke in the reference year through an agreement with the village. The arrangement is like that of Greenville, but there is not a per bag option.

Adams, Brown (part), Butler, Franklin, Greenville, Harrison, Jackson (part), Liberty, Monroe, Neave, Twin, Richland, Washington and Wayne (part) Townships: Rumpke Waste and Recycling automatically provides curbside multi-material recycling to households in the listed townships that subscribe to waste collection service. The District does not have access to the number of households served. However, other indicators like the amount of waste taken to transfer facilities and landfills used by Rumpke and the other service providers who provide service in these townships, it is apparent that most households that subscribe for waste collection services are automatically offered the opportunity for curbside recycling.

1. Drop-off Recycling Sites

Table B-2a Inventory of Full-Time, Urban Drop-off Sites Available in the Reference Year

ID#	Name of Drop-off Site	Service Provider	How Service is Provided	Days and Hours Available to the Public	Materials Collected ⁽¹⁾	Drop-off Meets All Minimum Standards (Y/N)	Weight of Materials Collected from the SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)	Comments
FTU1	Rumpke Recycling Facility Greenville	Rumpke Waste and Recycling	Roll-off container for multi-material recycling open to public during business hours	Mon-Friday 7am to 4 pm , Sat. 8 to 12.	OCC, News, MxP, Glass, StC, AIC,PIC	Y		Y	<i>Amount recycled included I the Rumpke recycling collection total.</i>
Total									

⁽¹⁾ Materials Collected abbreviations: OCC – Cardboard; News – newspaper; MxP – mixed paper; StC – steel cans; AIC – aluminum cans; PIC – plastic containers

Rumpke Recycling and Transfer Facility provides a multi material drop-off box at the Rumpke Transfer Facility on Jaysville -St. Johns Road on the outskirts of Greenville. It is open transfer station business hours which is at least 44 hours per week. Materials collected are listed in Table B-2a. the drop-off serves the Greenville city and Greenville Township area and is used by people bringing waste to the transfer facility from all over the county. Rumpke is the responsible for this drop-off. The District benefits from the availability of this drop-off convenient for area residents and businesses.

Table B-2b: Inventory of Part-Time, Urban Drop-off Sites Available in the Reference Year – Omitted

This table has been omitted. Greenville is the only urban area in Darke County. In the reference year there were District sponsored drop-off containers located at two school sites in Greenville, St. Mary’s School and Anthony Wayne Early Child Education Center. These sites are paid for by the District and are primarily used by the schools in conjunction with school

recycling programs. However, they are also used by the general public. The sites were not advertised as available drop-off sites in the reference year, so they are not included as urban drop-offs.

Table B-2c: Inventory of Full-Time, Rural Drop-off Sites Available in the Reference Year

ID#	Name of Drop-off Site	Service Provider	How Service is Provided	Days and Hours Available to the Public	Materials Collected⁽¹⁾	Drop-off Meets All Minimum Standards? (Y/N)	Weight of Materials Collected from the SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)
FTR1	Adams Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y	Note 2	N
FTR2	Allen Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y	Note 2	Y
FTR3	Brown Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y	Note 2	Y
FTR4	Buter Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		Y
FTR5	Harrison Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		Y

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ID#	Name of Drop-off Site	Service Provider	How Service is Provided	Days and Hours Available to the Public	Materials Collected⁽¹⁾	Drop-off Meets All Minimum Standards? (Y/N)	Weight of Materials Collected from the SWMD (tons)	Service will Continue Throughout Planning Period (Y/N)
FTR6	Jackson Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		N
FTR7	Neave Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		N
FTR8	Patterson Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		N
FTR9	Twin Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		Y
FTR10	Wabash Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		Y
FTR11	Wayne Township	Rumpke Waste and Recycling	Contract between SWMD and private hauler	24 hours/7 days	OCC, News, MxP, Glass, StC, AIC,PIC	Y		Y
Total							0	

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Note 2: Rumpke is the private hauler providing service to all the drop-offs listed in Table B - 2c. The amount collected from the drop-offs is included in the *Table B-7 Inventory of Material Handling Facilities Used in the Reference Year*. Rumpke reported all of the Res/Com recycling as a total amount for all of Rumpke's recycling services in the District. The amounts for individual programs and locations is not available to the District.

The drop-offs are provided by the District and are serviced by Rumpke. The sites have one or more 8-yard bins which are compatible with the trucks used for pick up. The sites are placed in locations where they are easy to access and also can be monitored to reduce the chances of litter and illegal dumping. The bins include signs that clearly state the materials that are and are not accepted. Most of the sites have two bins which are emptied weekly. Heavily used sites may be emptied twice in a week.

Table B-2d: Inventory of Part-Time, Rural Drop-off Sites Available in the Reference Year – Omitted

In the reference year there were no rural drop-offs that fit the definition of part-time rural drop-off sites.

There were 6 county school districts where 6- or 8-yard drop-off containers were placed. These sites are paid for by the District and are primarily used by the schools in conjunction with school recycling programs. Most are also available to the public and the materials collected are the same as the other drop-off sites. But the sites were not advertised as available drop-off sites for the public. Therefore, these sites are not included as Rural Drop-offs. The locations are Ansonia, Versailles, Arcanum-Butler Schools, Franklin Monroe Schools (Pitsburg), and Tri-Village Schools (New Madison), and Mississinawa. These and other school drop-off sites will be described in more detail later in the Plan.

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Willowdell Drop-off, Patterson Twp.

Table B-2e: Inventory of Other Drop-off Sites for Specified Materials located in Darke County

ID#	Name of Drop-off Site	How Service is Provided	Days and Hours Available to the Public	Materials Collected	Tons Collected
ODO1	1 Shot Services	Private Business	Business hours	Antifreeze, appliances, scrap metal, propane tanks, rechargeable batteries	Not reported
ODO2	Affordable Tire	Private Business	Business hours	Tires	Not reported
ODO3	Anderson Pallet	Private Business	Business hours	Wood and wood pallets	Not reported
ODO4	Ansonia Boy Scouts	Non-profit organization	Collection truck available day time hours	Newspapers	Not reported
ODO5	AT&T Prime Communications	Private Business	Business hours	Cell phones	Not reported
ODO6	Barga Heating and Air Conditioning	Private Business	Business hours	Air conditioners and refrigerators	Not reported
ODO7	Beasecker Cleaners	Private Business	Business hours	Wire hangers in good condition	Not reported
ODO8	Boyd Cleaners	Private Business	Business hours	Wire hangers in good condition	Not reported
ODO9	Darke County Shriners	Non-profit organization	Call for hours	Aluminum cans	Not reported
ODO10	Darke County SWMD Office	SWMD	Business hours	Cell phones, CFL light bulbs, ink jet and toner cartridges, rechargeable batteries, tires	Not reported
ODO11	Davis Refrigeration	Private Business	Business hours	Air conditioners and refrigerators	Not reported
ODO12	Dickman Supply	Private Business	Business hours	Fluorescent light, mercury vapor, lights, neon lights	Not reported

ID#	Name of Drop-off Site	How Service is Provided	Days and Hours Available to the Public	Materials Collected	Tons Collected
ODO13	Family Bazaar	Private Business	Business hours	Plastic shopping bags	Not reported
ODO14	Goodwill Store in Greenville	Non-profit organization	Business hours	Computers and peripherals, clothing, furniture, small appliances, books, and other household items.	Not reported
ODO15	Greenville Ace Hardware	Private Business	Business hours	Rechargeable batteries	Not reported
ODO16	Kroger	Private Business	Business hours	Plastic shopping bags	Not reported
ODO17	Lowes	Private Business	Business hours	Fluorescent light, mercury vapor, lights, neon lights	Not reported
ODO18	North Star Blue Flame	Private Business	Business hours	Propane tanks	Not reported
ODO19	Rumpke Transfer Facility	Private Business	Business hours	Tires (do not put in recycling drop-off)	Not reported
ODO20	Schmidt's Refrigeration	Private Business	Business hours	Air conditioners and refrigerators	Not reported
ODO21	Schultz Motors	Private Business	Business hours	Antifreeze,	Not reported
ODO22	The Dry Cleaner	Private Business	Business hours	Wire hangers in good condition	Not reported
ODO23	Wal-Mart	Private Business	Business hours	Plastic shopping bags, rechargeable batteries	Not reported

The above table lists private businesses and organization that are located in Darke County and that were available to accept household and commercially generated products for recycling. The District maintains and updates this list as needed. It is available in a printed version and on the District website and the information is used to answer phone inquiries. The District also lists recycling opportunities in near-by out-of-county locations. These locations are included in District publications and on the web site.

Mixed Solid Waste Material Recovery Facilities

Table B-3 Mixed Solid Waste Material Recovery Facility - Omitted

No facilities for the sorting and retrieval of recyclables from mixed solid waste located in or used by the District.

B. Curbside Recycling and Trash Collection Service Providers

Table B-4 Inventory of Curbside Recycling and Trash Collection Service Providers in the Reference Year

Name of Provider	PAYT (Y/N)	Trash Collection Services			Curbside Recycling Services		
		Residential	Commercial	Industrial	Residential	Commercial	Industrial
Rumpke Waste and Recycling	Y	X	X	X	X	X	X
Best Way Waste and Recycling	N	X	X	X	X	X	X
Maharg Trash Services	N	X	X	X	X	X	X
Republic Services	N		X	X		X	X
Waste Management			X	X		X	X

C. Composting Facilities

The information in the following table was obtained by and from Ohio EPA.

Table B-5 Inventory of Composting Facilities Used in the Reference Year

Facility Name	Compost Facility Classification	Publicly Accessible (Y/N)	Location	Food Waste (tons)	Yard Waste (tons)	Total
Fitzwater Trees & Lawn Care	Class 4	Y	4617 Jaysville-St. Johns Rd Greenville, OH 45331		1,649	1,649
Fresh Aire Farms	Class 3	Y	1408 Wasson Rd. Union City, OH 45390		464	464
Versailles WWTP	Class 3	Y	300 Grand Ave. Versailles, OH 45380		1,642	1,642
Food waste and hauler reported composting reported to OEPA 2018	Receiving facility not reported	N	Not reported	144		0
Total				144	3,754	3,754

D. Alternative Yard Waste Management Programs

The information in the following table was obtained by surveys sent to local governments in the autumn of 2018. The information reported included the materials collected, the collection method, information needed to calculate the number of cubic yards that were collected, and the method used to collect or process the yard waste. The conversion factors used to calculate the weight in tons are shown in the notes following the table.

Table B-6 Inventory of Alternative Local Yard Waste Management Activities in the Reference Year

Facility or Activity Name	Activity Type	Location	Food Waste (tons)	Yard Waste (tons)
Ansonia Village Brush Chipping ¹	Brush chipped by Bulcher Tree Service used as mulch at public parks and facilities	Ansonia Village		9
Gettysburg Village ²	Leaves vacuumed and field spread	Gettysburg Village		11
New Madison Village ³	Leaves field spread	New Madison Village		19
Village of Pittsburg ³	Leaves field spread	Pittsburg Village		19
Total			0	57
¹ conversion factor 243 lbs./cu.yd. for chipped brush ² Conversion factor 500lbs/cu.yd. vacuumed leaves ³ Conversion factor 250lbs/cu.yd. loose leaves				

D. Material Handling Facilities Used by the SWMD in the Reference Year**Table B-7 Inventory of Material Handling Facilities Used in the Reference Year**

Facility Name	County	State	Type of Facility	Weight of Material Accepted from SWMD (tons)
Rumpke City Center Hamilton County	Hamilton	Ohio	Clean MRF	3,408
Rumpke Elmwood Recycling		Ohio	Clean MRF	24
Rumpke Dayton	Montgomery	Ohio	Clean MRF	175
Bestway East Central Recycling	Delaware	Indiana	Clean MRF	Not Reported
Total				3,607

The three Rumpke processing facilities listed above receive all the recyclables collected from the urban and rural curbside recycling collection programs serviced by Rumpke, and the District's drop-off sites. In addition, these facilities receive the commercial recyclable materials collected from Rumpke commercial customers.