

2006 TJPDC Solid Waste Management Plan
Amended as of ~~June 5, 2008~~ November 5, 2009

Executive Summary

The following is an update to the Thomas Jefferson Planning District Solid Waste Management Plan. It includes a description of existing and projected population, facilities, and a plan for management of the solid waste generated by the population and industrial and commercial activities of the Thomas Jefferson Planning District. This plan serves as the regional plan for the local governments of Albemarle County, City of Charlottesville, Fluvanna County, Greene County, and the towns of Columbia, Scottsville, and Stanardsville. The plan details proposed systems for recycling, reuse, collection, disposal and treatment of a large variety of wastes, and establishes general goals and policies.

The planning group met regularly over the course of a year to write this plan both to satisfy the Virginia Department of Environmental Quality requirements, and to serve as a basis for strategic planning for solid waste in the longer term.

The group recommends the following basic strategies:

- ❑ **Regional approach:** Regional efforts will yield better results than localized solutions, especially with high costs and capital needs for operations. Joint contracting, collection, disposal and recycling operations can provide budget and resource savings, and allow the region to join markets at a competitive level with larger cities.
- ❑ **Increased recovery:** Recovery of a larger percent of valuable material, such as recyclables and organic matter, leads to a better balance sheet and longer disposal facility lifetimes. This includes more curbside and drop off collection and education.
- ❑ **Reduce total waste:** Source reduction, reuse and recycling decrease the need for disposal, which is generally not considered a desirable option. In order to limit the negative impacts our communities have on others, the total volume of waste disposed of must be kept to a minimum.
- ❑ **Material Recovery Facility (MRF):** Establishment of a MRF to separate recyclables and other valuable material from commingled collection would increase recovery rates.

Some elements of the plan will require additional study.

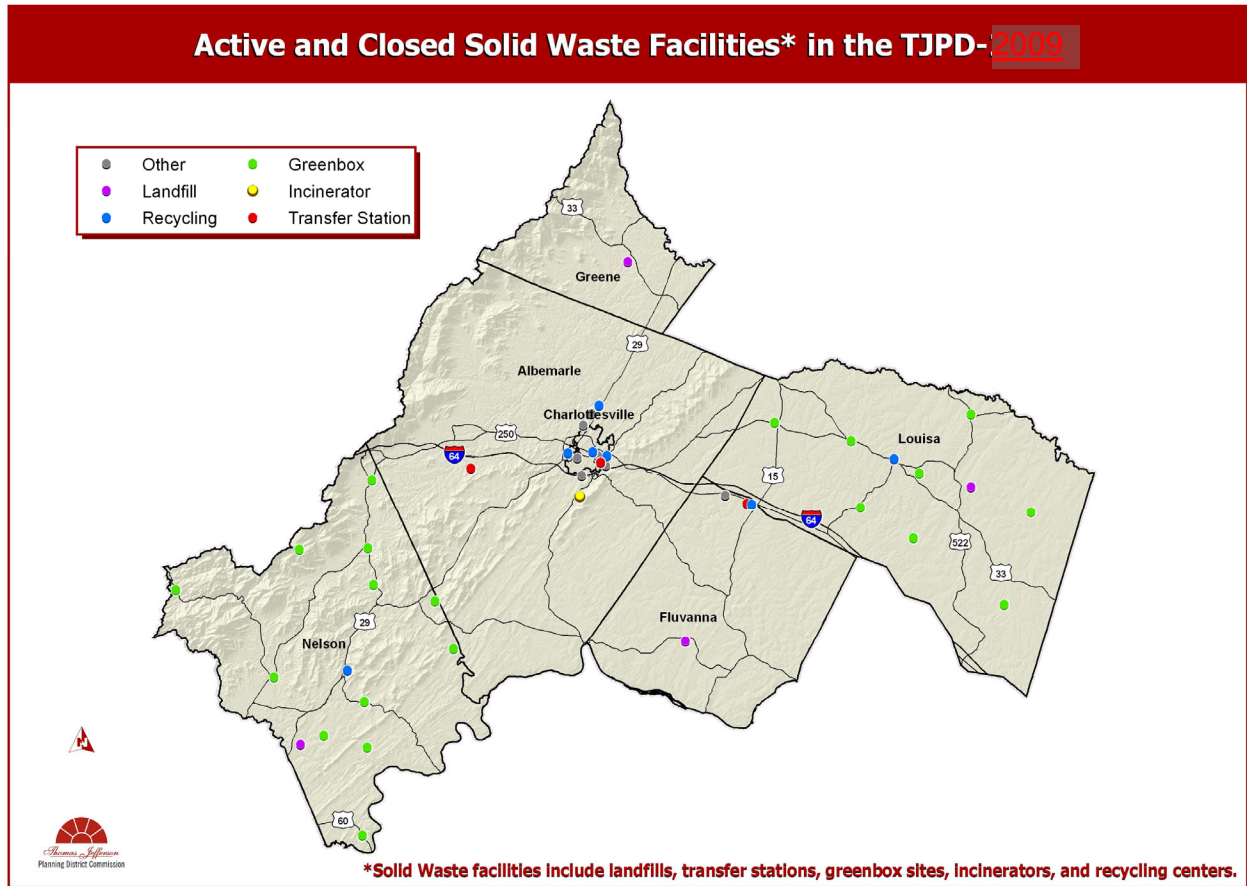
Adopted by the Thomas Jefferson Planning District Commission on June 29, 2004

Amendment History:

- ❑ **April 5, 2007:** Added Environmental Management Systems as a method to achieve source reduction and reuse.
- ❑ **July 17, 2007:** Added the Zion Crossroads Recycling Center as a solid waste management facility.
- ❑ **June 5, 2008:** Removed Nelson County from the solid waste plan, reflecting the county's withdrawal from the solid waste planning region.
- ❑ **November 5, 2009: Added Municipal Solid Waste (MSW) Materials Recovery Facility (MRF) to the Construction/Demolition/Debris (CDD) MRF at the Zion Crossroads Recycling Center.**

2006 TJPDC Solid Waste Management Plan
Amended as of ~~June 5, 2008~~ November 5, 2009

Solid Waste Management Facilities: Active and Closed



The following table details the existing and closed waste management facilities in each locality. The table identifies those that have been permitted through the Virginia Department of Environmental Quality and does not provide a complete inventory of closed landfill sites that were either used informally or were not permitted. The closed facilities identified on this table are those for which the locality or authority is responsible for any necessary remediation.

2006 TJPDC Solid Waste Management Plan

Amended as of ~~June 5, 2008~~ November 5, 2009

Existing Solid Waste Management Facilities in the Thomas Jefferson Solid Waste District: Active and Closed by Locality

Locality	Facility name	Type	Status	Permit Year
RSWA	Ivy Material Utilization Ctr.	Transfer Station	Active	1997
	Ivy Sanitary Landfill	Sanitary Landfill	Closed	1997
	RSWA Compost Facility	MSW Composting Facility	Closed (2001)	1998
Albemarle	Keene Sanitary Landfill	Sanitary Landfill	Closed	1974
Charlottesville	Eldercare Gardens	Regulated Medical Waste (RMW) Incineration	Permitted by Right (PBR) prior to 1994	
	HCMF Heritage Hall	RMW Storage Only	PBR prior to 1994	
	Martha Jefferson Hospital	RMW Incineration	PBR prior to 1994	
	University of Virginia	RMW Incineration	PBR prior to 1994	
	Virginia Ambulatory Surgery Center	RMW Storage only	Active	1998
	Old 5 th Street Landfill	Unlined landfill	Closed	1960's
Fluvanna	BFI Fluvanna County Transcyclery	Materials Recovery Facility	Active	1995
	Fluvanna Correctional Unit#5	RMW Steam Sterilization	PBR prior to 1994	
	Fluvanna County Sanitary Landfill	Sanitary Landfill	Closed	1974
	Fluvanna County Sanitary Landfill	Sanitary Landfill	Active	1983
	Zion Crossroads Recycling Center	<u>MSW and CDD</u> Materials Recovery Facility	<u>Planned to open in 2007</u> <u>CDD opened in 2007</u> <u>MSW Permitted By Right in 2009</u>	<u>CDD - 2007</u> <u>MSW - 2009</u>
Greene	Greene County MRF & Co - Compost	Materials Recovery Facility	Active	1993
	Greene County Sanitary Landfill	Sanitary Landfill	Closed	1974
	Greene County Sanitary Landfill	Sanitary Landfill	Closed	1978

SOURCE: Virginia Department of Environmental Quality and local governments

2006 TJPDC Solid Waste Management Plan

Amended as of ~~June 5, 2008~~ November 5, 2009

household hazardous waste, and trash in bags or receptacles. The MUC is open weekdays from 7:30 a.m. to 4:00 p.m.

The RSWA transfer station accepts municipal solid waste from private citizens and collection vehicles servicing the City of Charlottesville and Albemarle County at \$56/ton, with a \$5 minimum. Small pick-up trucks, 8-foot bed or equivalent, with CDD are also accepted for the same tipping fee. Larger loads of CDD will be directed to the BFI transfer station in Fluvanna County. Clean fill and stumps and brush are accepted as well. RSWA also provides confidential document destruction. Mulch is available for sale to the public. Wooden pallets are ground into chips and used at a nearby power plant for fuel.

There is a paint swap program offered by RSWA at the Ivy MUC. Citizens can drop off or pick up used paints Monday through Thursday. Paint is recycled or disposed of every Friday. Household hazardous waste and tire amnesty days are held at the Ivy MUC.

McIntire Recycling Center is open seven days a week, closing at 5:20 p.m. each day with varying opening times. The center accepts boxboard, file stock, corrugated cardboard, newspapers, glossy paper, phone books, glass, #1 and #2 plastics, and metal and aluminum cans. A book exchange bin is also offered. RSWA contracts with Weyerhaeuser for the paper goods collected. Glass, metals and plastics are taken to Coiners'.

Fluvanna County

Collection and Transportation

Individuals, businesses and industries are generally responsible for waste hauling and recycling activities via either contract with a private firm or self-delivery to the transfer station, which is open to the public and accepts MSW, paper, metal, glass, wood, textiles, oil, and batteries. The Zion Crossroads Recycling Center, ~~planned to open in 2007, will~~ accepts household recyclables and construction and demolition debris, and will begin accepting Municipal Solid Waste when granted the permit by right, expected in 2009. At Lake Monticello, a private hauler collects MSW and curbside recycling is included for plastics, glass, metal and newspaper.

Storage, Treatment and Disposal

Fluvanna has a 25-acre public landfill off Route 6 on Route 701, which receives about 10,000 tons per year. It is unlined, limiting expansion to the vertical direction. Lateral expansion would require a lining. RSWA has a contract with Fluvanna to bring its wood grinding operation to Fluvanna on an as-needed basis. The Browning-Ferris Industries (BFI) private transfer station is located on 250 east at Zion Crossroads. The facility accepts MSW and large loads of construction and demolition debris (CDD) from RSWA charge account customers. Cash customers are not allowed to use the site. Wastes are loaded into larger trailers and sent to the Amelia County landfill for disposal. The site operates Monday through Friday from 6:30 a.m. to 4:30 p.m. and Saturday 7:00 a.m. to noon. The Fluvanna landfill crushes collected glass for use as local roadway fill. The Zion Crossroads Recycling Center will operate as a materials recovery facility, hauling processed materials to secondary market recyclers and unacceptable materials to an approved solid waste management facility. Hours of operation will be from 7:00 a.m. to 6:00 p.m. Monday through Saturday.