

**SWANA RECYCLING  
TECHNICAL ASSISTANCE STUDY  
FINAL REPORT  
MULTI-MUNICIPAL LEAF WASTE MANAGEMENT**



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**November 2007**

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**SWANA RECYCLING  
TECHNICAL ASSISTANCE STUDY  
FINAL REPORT  
MULTI-MUNICIPAL ARRANGEMENT FOR LEAF WASTE  
DROP-OFF AND PROCESSING**

## **1.0 INTRODUCTION**

Perkiomen and Limerick Townships are located in central portions of Montgomery County, Pennsylvania. Both Townships are in the process of evaluating methods for the cost effective and efficient collection and management of leaf and yard waste. Through the partnership with the Solid Waste Authority of North America (SWANA), the Pennsylvania State Association of Township Supervisors, and the Pennsylvania Department of Environmental Protection (PADEP), each Township was awarded \$7,500 in technical assistance to be provided by Gannett Fleming, Inc. (GF) to assist in evaluating a cooperative, multi-municipal leaf and yard waste management system.

GF worked with Perkiomen and Limerick Townships to develop the following task under this study:

### **1.1 Scope of Work**

- Task #1** GF will gather background information from the Townships related to the current waste collection system and leaf and yard waste collection and processing programs.
- Task #2** GF will describe, evaluate, and provide recommendations for a regional curbside and drop-off leaf and yard waste collection program, with emphasis on programs that, at a minimum, comply with Act 101 and PADEP guidelines for mandated recycling communities. This analysis will consider the participation of other local municipalities in this regional program.
- Task #3** GF will prepare and provide the Townships with a letter report of findings and recommendations. This task includes a review of the report by PADEP and response to PADEP comments. Additionally, an electronic file of the Final Report will be submitted to PADEP and SWANA that includes the project conclusions and findings. Both an electronic and hardcopy version of the report will be provided to the Townships.

## 2.0 BACKGROUND

In the past two years, PADEP has increased its oversight for requiring Act 101 mandated communities to meet Act 101 recycling requirements for leaf waste. As part of these efforts, PADEP has contacted and visited municipal programs across the state, and where non-compliance was observed, have issued notification letters requiring these municipalities to revise their leaf waste programs to comply with Act 101 and PADEP leaf waste requirements. Mandated municipalities that do not comply with their leaf waste recycling requirements can be denied Act 101 Recycling Grants and may be subject to stiffer enforcement (e.g. fines) if non-compliance is continued without any attempt by the municipality to improve its program.

In our study area located in the northeastern portion of Montgomery County, there are a number of communities that are mandated by Act 101 implement recycling programs, including proper management of leaf waste. Consideration has been given to municipalities that surround Perkiomen and Limerick Township that could benefit from a regional approach to leaf waste management. In particular, this study focuses on the following municipalities (refer to **Figure 1**, Project Location Map at the end of this Report):

- **Perkiomen Township**
- **Limerick Township**
- **Skippack Township**
- **Upper Providence Township**

Unfortunately, this area of Montgomery County that is located within the Southeast Region of PADEP, has limited access to large-scale leaf waste processing facilities. Some of the existing compost operations, particularly public facilities, lack processing capacity and/or experience with securing arrangements to accept curbside leaf waste deliveries from residential collection programs. Currently, there are no established public (municipally operated) leaf and yard waste processing facilities located within the municipalities listed above.

## 2.1 Project Focus and Goals

This analysis and report will emphasize the development of a regional system of drop-off and curbside leaf waste management for **Limerick, Perkiomen, Upper Providence and Skippack Townships**. As the structure of this regional program is developed, it may be feasible and/or advantageous for the program to involve other municipalities that are not included in this evaluation.

Limerick, Perkiomen, Upper Providence and Skippack Townships indicated in our initial project meeting held in April, 2007 that a primary goal is to develop a simple and cost effective system to meet the Act 101 and PADEP minimums requirements for managing leaf waste. This evaluation considers that it may be cost prohibitive and/or operationally infeasible to increase the level of leaf waste collection and/or drop-off service beyond PADEP-stated collection minimums. Consequently, this evaluation will emphasize the development of a cooperative arrangement for curbside and drop-off leaf and yard waste management services that satisfy Act 101 and PADEP policies and guidelines.

The development of a regionalized leaf and yard waste program should remain flexible and consider multi-municipal coordination and sharing (e.g. staffing, costs, etc.). Utilization of one or more processing facilities, including those that may be located outside of the participating municipalities, may be necessary for the successful and cost-effective implementation of the program.

### **3.0 OVERVIEW OF MUNICIPAL WASTE COLLECTION AND RECYCLING**

#### **3.1 Perkiomen Township**

Perkiomen Township, Montgomery County, is an Act 101 mandated recycling community. As seen in **Figure 1**, Perkiomen Township borders the eastern corner of Limerick Township, and is centrally located among a number of other townships that are also mandated by Act 101 to provide curbside recycling services, including curbside collection of leaf waste. According to Township sewer records, Perkiomen Township has approximately **3,000** households and over **8,000** residents. Residents individually subscribe for curbside waste and recyclables service with one of several private haulers that operate in the Township. A list of local private waste hauling companies is provided in **Appendix A**.

Perkiomen Township operates a seasonal Christmas tree drop-off program. Residents are notified through the sewer bill that they can drop-off Christmas trees at the Borough building in a designated location. Public Works staff clean and chip the Christmas trees and then use the woodchips at parks and for other municipal applications. Perkiomen initiated a pilot program to accept leaf waste for residential drop-off on a limited basis at the Township building.

#### **3.2 Limerick Township**

Limerick Township covers an area of over 22 square miles. The Township has over **5,000** residential establishments and approximately **14,000** residents and is also mandated to provide curbside recycling by Act 101. Limerick Township residents individually subscribe for curbside waste and recyclables service with one of several private haulers that operate in the Township.

Limerick Township operates a seasonal Christmas tree drop-off program. The Township designates a tree drop-off area at Limerick Township Community Park. After Christmas trees accumulate, they are processed using a mobile Township-owned chipper. Some chips are taken by residents and the Township also uses the chips for bedding at the Community Park, other parks, and as needed in other places within the Township. Limerick does not have a residential curbside or drop-off program in place for leaf waste.

Limerick Township supported the submittal of an Act 101, Section 902 grant application by Lower Pottsgrove Township for the development of a compost facility that would be located in, and operated by Lower Pottsgrove Township. Limerick Township executed a Memorandum of Understanding with the Township to demonstrate they support this project and will cooperate with Lower Pottsgrove in a manner that would allow Limerick Township residents to use the compost facility as a public drop-off site for leaf waste. The cooperative arrangement between Limerick Township and Lower Pottsgrove is not expected to limit the ability of Limerick

Township to work together with Perkiomen, Skippack and Upper Providence Townships for implementing a shared curbside leaf waste collection and/or shared leaf waste drop-off program.

### 3.3 Upper Providence Township

Upper Providence Township is a growing community. There are currently about **17,000** residents and **5,500** households in Upper Providence Township. The Township is mandated to recycle under Act 101.

The Township has a private subscription waste (and recyclables) collection system and haulers are required by ordinance to provide recycling services. Recyclables are collected and included as part of the trash fee. Upper Providence residents are required to recycle the following materials:

- Aluminum cans
- Steel & bi-metal cans
- Plastic bottles
- Newspaper

The Upper Providence Township Public Works Department provides a fall leaf clean-up service, but does not currently have a curbside and drop-off leaf waste/yard waste collection program that meets Act 101 requirements. The Township is developing a compost facility located just north of the Schuylkill River at 1094 Longford Road (refer to the **Figure 2** attached at the end of this report). The proposed compost site will be less than 5 acres and the Township is in the process of submitting a Permit-by-Rule Application to PADEP.

### 3.4 Skippack Township

Skippack Township has over **2,300 households** and over **6,500 residents** and is mandated by Act 101 to provide curbside recycling services. Skippack Township residents individually subscribe for curbside waste collection services with one of the local private haulers. The Township is mandated by Act 101 to provide curbside recycling services, including curbside collection of leaf waste. The Skippack Township solid waste ordinance requires residents to separate recyclables including leaf waste. The ordinance also requires that leaf waste collection by haulers is done *“in accordance with regulations of DEP, and leaf waste disposal shall be undertaken by municipal waste collectors in a DEP-approved facility or DEP-approved manner”*.

Skippack Township does not operate a leaf waste drop-off program at this time.

### 3.5 Household Density and Waste and Recycling Program Summary

Household density and waste and recycling program characteristics for Perkiomen, Limerick, Skippack and Upper Providence Townships are summarized in **Table 1** below.

**Table 1: Municipal Demographics and Recycling Characteristics**

Municipality	~ No. of Households	Waste Collection System	Existing Leaf or Yard Waste Drop-off Site (Yes or No)	Act 101 Mandated Recycling
	~ Household Density			
Perkiomen Township	3,000 HH	Private Subscription	No*	Yes
	625 HH/Sq. mi.			
Limerick Township	5,000 HH	Private Subscription	No	Yes
	230 HH/Sq. mi.			
Skippack Township	2,300 HH	Private Subscription	No	Yes
	170 HH/Sq. mi.			
Upper Providence Township	5,500 HH	Private Subscription	No**	Yes
	295 HH/Sq. mi.			

Note: Household density estimated using year 2000 US Census Bureau Data for Limerick, Skippack and Upper Providence and current sewer records for Perkiomen Township.

**4.0 LEAF AND YARD WASTE PROCESSING FACILITIES**

GF conducted a preliminary evaluation of some of the local and regional compost facilities as part of this study. This evaluation of compost facilities was conducted to determine the viability of compost operations in the region to accept and process leaf and yard waste generated from Perkiomen, Limerick, Skippack and Upper Providence Townships. These observations generally describe the leaf waste processing/compost facilities in the surrounding area:

- A limited number of leaf waste processing facilities appear to be feasible outlets to accept truckloads of leaf waste collected curbside from the four municipalities.
- Most of the small municipally-operated facilities: prohibit drop-off from residents that live outside of the host municipality; have minimal capacity and processing capability; and/or are not convenient drop-off alternatives for residents located in Limerick, Perkiomen, Skippack and Upper Providence Townships.
- Nearby private compost facilities like Two Particular Acres and the Barnside Farm Composting Facility could possibly provide leaf waste drop-off services (e.g. provide and service roll-offs for leaf waste collection) to some or all of the named Townships, but can not currently provide curbside collection services. These two nearby private facilities do not have truck scales to weigh incoming loads of material.
- Waste Management (WM) operates one large-scale compost facility in Tullytown in neighboring Bucks County that can accept truckloads of curbside-collected leaf and yard

waste. WM indicated that, as part of a curbside collection bid and contract, it would negotiate with one of the private compost facilities located closer to the service area in order to minimize hauling distance and costs.

- J.P. Mascaro and Sons (J.P. Mascaro) operates two compost facilities in the region capable of accepting and processing loads of curbside-collected municipal leaf and yard waste. The closest facility is located in Souderton, Pennsylvania, approximately 15 miles away from the service area.

As part of this effort, GF surveyed seven (7) compost facilities. The results of this survey are summarized in the table presented in **Appendix B**.

#### 4.1 Locations and Summaries of Local and Regional Compost Facilities

**Figure 2** is a map that shows a number of leaf and yard waste process facilities that were identified and reviewed during this study. This map is not intended to reflect all the compost facilities in the region. **Appendix C** provides a listing of public and private compost facilities in Montgomery County. It is noted that haulers/collectors that are contracted for leaf waste collection may direct loads of leaf waste to PADEP-approved facilities that are not shown on the map or listed in **Appendix C**. The leaf waste processing facilities identified and reviewed for this study are summarized below:

**Two Particular Acres (Private):** Two Particular Acres is a small family farm located in western Montgomery County raising various crops including corn, soybeans, wheat, oats and hay. Two Particular Acres received the very first On-Farm Compost Permit issued by PADEP. The permit allows the farm to take in yard waste including leaves, grass, brush and other woody material and other organic wastes. Roll-off container service is available that can be placed at businesses, institutions and municipal locations for removal of most organic wastes including food waste, yard waste and manure. The permit limits the size of an on-farm operation to 5 acres, the total amount of waste composted to 3,000 cubic yards per year, and the amount of food waste to one-third of that total. The farm provides various retail and wholesale products and services to the community. Some finished products available from Two Particular Acres include:

*Compost:* Compost is available year round in both a vegetative based version and a manure based version. Depending on the clients needs, the compost can come screened or unscreened.

*Mulch:* Includes a blend of wood chips and manure actively composted and aerated in windrows that cure for up to one year. Material is reground for a consistently small and fine textured particle. Traditional mulch is made from ground yard waste only.

*Top Soil:* Manufactured topsoil is produced through screening and blend soils, composts and sand. Manufactured soil can contain 10 percent or greater organic matter.



Based on ongoing discussions with Two Particular Acres, it is feasible that this compost facility could service as a processor for at least a portion of the leaf waste generated in Perkiomen Township and/or other local municipalities. Two Particular Acres has roll-off containers and a hook truck (see Photo) and could use this equipment to provide monthly leaf waste drop-off service at a reasonable cost. In order to provide this leaf waste roll-off service, Two Particular Acres would likely compete against other private companies such as WM and J.P. Mascaro in a competitive municipal bid process.



**Barnside Farm Composting Facility (Private):** The Barnside Farm Composting facility is located in Schwenksville, Pennsylvania and accepts leaf and yard waste for processing into compost.

**Trappe Borough Compost Site (Public):** This compost site is publicly operated by the boroughs of Trappe and Collegeville. The site is located at 333 West 7th Avenue near the intersection with Township Line Road. Residents from Trappe and Collegeville Boroughs are permitted to compost leaves, grass clippings, tree trimmings, Christmas trees, and similar material. Residents present an ID to use the site. There is no charge to drop off leaf and yard waste. Tree stumps are not accepted. Woody material is chipped into mulch, which is free to Collegeville and Trappe Borough residents. The facility is open during the summer on Wednesdays from 5:30 to 7:00 p.m. and on Saturdays from 8:00 a.m. to 4:00 p.m. During the fall and winter the facility is open only on a limited number of weekends.

Based on discussions with Trappe Borough, this site does not appear to be a feasible option for drop off from residents from other municipalities since the site has very limited space/capacity. This site is not suited to receive loads of materials from a curbside leaf waste collection program. Residential establishments are very close to the site and will be negatively impacted by any increased site activity. Because the site is “grandfathered” with respect to permitting, the site cannot be expanded because it would not meet applicable permitting requirements.

**WM Tullytown Resource Recovery Facility (private):** WM owns a Resource Recovery Facility located in Tullytown, Pennsylvania, which is roughly 40 miles from Collegeville in Perkiomen Township. The compost portion of this facility accepts and processes loads of leaf and yard waste from municipalities in the region. Some residents use the facility to drop off leaf waste, but residents represent a very small portion of the users. WM has contracts with a number of municipalities in the region to provide curbside leaf and yard waste collection, hauling and delivery to the Tullytown facility for processing. The gate rate/tip fee for leaf and yard waste is typically **\$45 per ton** unless a better rate is negotiated. Because of the hauling distance, this may not be an economically feasible processing site for the relatively small quantities of leaf waste that will be collected curbside and/or in roll-off containers from the Perkiomen, Limerick, Skippack and Upper Providence Townships.

**J.P. Mascaro – Souderton Compost Facility:** J.P. Mascaro operates a compost facility in Souderton, Pennsylvania. This compost facility is less than 20 miles from Perkiomen Township. This compost facility accepts loads of leaf and yard waste from municipalities in Montgomery County and Bucks County that have executed curbside leaf waste and collection and processing contracts with J.P. Mascaro. J.P. Mascaro is the contracted service provider for Hatfield Township for the curbside collection of leaf waste, which is delivered to the Souderton Compost Facility.

### **Proposed Compost Facilities**

**Graterford Prison (State Facility):** The Graterford Prison is a State correctional facility interested in accepting loads of leaf and yard waste for the purpose of composting, including mixture with food waste generated on-site. Graterford Prison is located off Skippack Pike in Skippack Township in Montgomery County. PADEP Central Office is developing an approach with State Corrections to facilitate and promote composting on State lands/prisons at these facilities. It is anticipated that a streamlined process will be implemented to allow State prisons like Graterford to operate under specified On-farm Composting guidelines, but not be required to have a compost facility permit to operate.

**Upper Providence Compost Facility (public):** Upper Providence Township is in the process of bringing a leaf and yard waste processing facility on line, but the extent it will provide leaf and yard waste processing capacity to surrounding municipalities is unknown. Based on preliminary discussions with Upper Providence Township, it is not the Township's intent to open this compost facility to residents from surrounding municipalities due to concerns of material contamination, safety and liability, and additional material handling and processing costs. However, Upper Providence Township is agreeable to looking at cooperative arrangements that may include Perkiomen, Limerick, Skippack and Upper Providence Townships for implementing a shared curbside leaf waste collection and/or shared leaf waste drop-off program. At some point in the future, it is recommended that Upper Providence evaluate the option to open their drop-off site on a limited basis as part of a cooperative leaf and yard waste management system. This type of arrangement would be benefited by clearly establishing that certain provisions were met by participants (e.g. use of compost site visitor identification cards).

## **4.2 General Leaf and Yard Waste Management Guidance**

### **4.2.1 Truck Scales at Compost Facilities**

Most compost facilities do not have truck scales. Leaf and yard waste is often measured by volume (i.e. cubic yards); however, truck scales are an extremely valuable component of a compost facility. Truck scales and a system for producing weigh tickets is particularly valuable when establishing contractual arrangements with collectors and compost facilities because municipalities can be invoiced by the compost facility on a per-ton basis according to actual weights and an established gate rate/tip fee. Weigh slips record of the amount of material collected, which is useful for documenting and reporting leaf waste quantities to the County and PADEP. If a compost facility does not have truck scales there is some guesswork on quantities, both incoming and outgoing. Scales may improve the ability to secure cost effective and fairly priced leaf waste collection and processing service in the region, especially when these services are competitively bid.

#### 4.2.2 Grass Clippings

Grass clippings are not included in Act 101's definition for leaf waste, and therefore, are not required to be collected by mandated municipalities including Perkiomen, Limerick, Skippack and Upper Providence Townships. Generally, it is not recommended that grass is collected because improper handling could lead to problematic odors at compost facilities. However, grass can be collected curbside and in drop-off programs along with other yard waste and composted effectively provided the grass is handled properly and efficiently. Grass should be mixed into other leaf waste material within 24 hours from the arrival at the compost facility. It is good practice to encourage residential establishments to recycle grass cuttings back into yards and lawns ("grass-cycle") to the extent possible.

#### 4.2.3 Leaf Waste Contamination

It is imperative to develop a leaf waste collection program that minimizes the amount of contamination (e.g. unwanted inorganics such as plastic bags, glass, litter, etc.). Leaf waste that is contaminated at the curbside or at drop-off sites can lead to a number of problems at compost facilities and at other processing facilities and end markets. It is not uncommon for residents in curbside leaf waste collection programs to place stones, metal and other unwanted materials in bags set at the curbside. Contaminated material can lead to poor relationships with compost facilities, which could ultimately lead to lost markets, lower revenue for material, higher tip fees, disposal charges and increased total program costs. Compost facilities may retain the right to penalize and/or reject loads based on contamination. Unwanted debris can damage processing equipment, leading to expensive repairs and shortened equipment life. Ongoing education as well as specific handling/preparation requirements for both curbside and drop-off programs can minimize contamination.

GF recommends that plastic bags, both biodegradable and non-biodegradable, are prohibited from leaf waste collection programs. Plastic bags can damage or hinder processing equipment. Plastic bags and shredded plastic degrades the appearance of compost facilities and can blow around on and offsite requiring control measures and cleanup. Kraft lawn and leaf bags are accepted by nearly all compost facilities and decompose effectively during the compost process. Kraft bags do not hinder processing equipment or leave petroleum residues found in most plastic bags. Companies such as Duro Bag Manufacturing Company can be use to purchase Kraft bags. Costs per bag can vary range from \$.25 - \$.50 each when bought in bulk (via bid). It is recommended that bags are sold to residents to recover some or all of the program costs. Plastic hard containers may be a cost-effective alternate to Kraft leaf bags for curbside leaf and yard waste collection.

When leaf and yard waste is free of contamination it is a marketable product desired by many end users. Finished compost, mulch and soil blends can be made available to residents, nurseries, landscapers, and farmers. Advanced finishing steps such as screening, bagging and coloring (mulch), increase the market value for mulch and compost but also increase processing costs.

It is recommended leaf waste drop-off sites and collection points are staffed during hours of operation to minimize drop off of unwanted materials and to minimize potential other liabilities. If feasible, gated access should be in place at leaf waste drop-off centers.

## **5.0 PENNSYLVANIA ACT 101 LEAF WASTE REQUIREMENTS AND APPROVED COMPOST FACILITIES AND DROP-OFF POINTS**

The following guidance information was prepared by PADEP in May, 2007 to help Act 101 mandated municipalities better understand and meet their requirements for managing leaf waste. These requirements influence the manner in which the proposed regional leaf and yard waste system will be implemented.

Act 101, Section 1501(c)(1)(ii) and (iii), requires persons in mandated municipalities to separate leaf waste from other municipal waste generated at residential, commercial, municipal and institutional establishments. “Leaf waste” is defined in the Act and its regulations as “Leaves, garden residues, shrubbery and tree trimmings, and similar material, but not including grass clippings.” Source-separated leaf waste, as with other recyclable material, is to be collected at least once per month as set forth in Act 101 Section 1501(c)(2) and (3) and processed at PADEP-approved composting facilities.

Act 101 mandated municipalities with programs that collect leaves only in the fall are not in compliance with the Act. Mandated municipalities desiring to establish leaf waste collection programs in compliance with Act 101 must, as a minimum:

1. Require by ordinance that leaf waste consisting of leaves, garden residues, shrubbery and tree trimmings, and other similar material are targeted for collection from residences and commercial, municipal and institutional establishments; and
2. Establish a scheduled day, at least once per month, when leaf waste is collected from residences; or
3. Establish a scheduled day, not less than twice per year and preferably in the spring and fall, when leaf waste is collected from residences, and facilitate a drop-off location or other collection alternative approved by PADEP that allows persons in the municipality to deposit leaf waste for the purposes of composting or mulching at least once per month. The leaf waste drop-off location may be located in a neighboring municipality or at a private sector establishment provided that an agreement is in place to utilize that location and the municipality keeps residents and commercial, municipal and institutional establishments informed of the option at least once every six months.
4. Ensure that commercial, institutional and municipal establishments generating leaf waste have collection service.
5. Municipalities are encouraged to manage source separated Christmas trees as leaf waste for processing at PADEP-approved composting facilities.

### **5.1 PADEP-Approved Drop-off Sites for Leaf and Yard Waste**

This section describes leaf waste drop-off sites or collection points that, when operated within PADEP guidelines, are approved methods for supplementing curbside leaf waste collection programs. It is noted that in many instances PADEP will visit and evaluate leaf waste sites and give a verbal or written approval on a case by case basis.

As stated in the PADEP guidelines, some form of leaf waste drop-off site must be made available for use by residents in Act 101 mandated communities at least once per month unless twelve (12) curbside collections are provided, one each month of the year. It is not required that the leaf and/or yard waste drop-off site be located in the host municipality, provided residents are notified about the location at least once every six months and some form of agreement/arrangement is in place that permits public use of the facility. PADEP-approved leaf waste drop-off options include:

**Permit-by-Rule Compost Facility:** A public or private compost facility that is less than 5 acres and has successfully submitted a permit-by-rule application to PADEP and follows applicable PADEP guidelines for Permit-by-Rule facilities (available at [www.depweb.pa.state.us](http://www.depweb.pa.state.us)). There is no application fee to apply for a permit-by-rule facility.

**Permit-by-Rule Farm for Land Application of Leaf Waste:** Farms can be approved to accept loads of leaf waste for land application. In the case a farm accepts only leaves and not other materials included in “leaf waste” (e.g. tree trimmings, shrubbery, etc.), the municipality would not fully satisfy Act 101 and PADEP leaf waste collection requirements unless acceptable provisions were made for collection of all leaf waste materials. The second half of the 1997 Permit-by-Rule Guidelines include the requirements for land application of leaf waste.

**Permitted Compost Facility:** A public or private compost site is over 5 acres and has an approved General Permit. A General Permit is available from PADEP for compost facilities 5 to 15 acres and after completing a Determination of Applicability (DOA), it is not required to complete a new General Permit for most compost facilities. The application fee for a composting General Permit is \$500 if applied for under an established general permit for composting facilities.

**On-farm Compost Facility:** A permitted On-farm Composting Site operating under General Permit WMGM017. This may be a compost option, particularly for leaves. Brush would require chipping/ grinding equipment, which could be brought on site on an as need basis. The on-farm compost permit allows the composting of yard waste, source separated food scraps from food markets, grocery stores, food banks, food distribution centers, school cafeterias, and institutions, source-separated newspaper, and source-separated corrugated paper (cardboard).

**Non-permitted, Municipal Leaf Waste Collection Point:** Where leaf waste processing does not occur on the ground at the site, a municipality may designate an area to utilize collection equipment (e.g. roll-off container, waste packer, rolling floor trailer, dump truck, etc.) for purpose of collecting, consolidating and transport of leaf waste to a PADEP-approved facility. This method, with PADEP approval, does not require a permit-by-rule or general permit for compost facilities.

**Rotational System of Leaf Waste Drop-off Sites:** Municipalities can coordinate a rotational leaf waste drop-off site program where each participating municipality would periodically host a leaf waste drop-off site. Each month of the year the drop-off location would rotate to another participating municipality according to a pre-arranged schedule. The municipality would only be required to host the drop-off for one scheduled day during the months when they are scheduled

to host the drop-off (e.g. 1<sup>st</sup> Saturday, 8 a.m. – 12 p.m.). The rotation schedule would be based on the number of participating municipalities, and residents from all municipalities must be permitted to access the site during the scheduled times. Leaf waste drop-off points could be any combination of the PADEP-approved drop-off sites. The municipalities are required to educate residents from all participating municipalities at least once every six months about the leaf waste drop-off program.

## **5.2 Permit-by-Rule Application and Approval Process in Southeast PADEP Region**

None of the Townships in the study area (i.e. Perkiomen, Limerick, Skippack and Upper Providence) operate a permitted compost operation, although Upper Providence is in the process of implementing a Permit-by-Rule compost facility. It may become feasible for Perkiomen and/or Limerick, and/or Skippack Township to implement a Permit-by-Rule compost facility in the future. The typical Permit-by-Rule application and approval process in Southeast PADEP Region is:

- Permit-by-Rule application submittal by municipality.
- Engineer or PADEP regional staff will conduct a site visit and evaluation.
- A permit review letter will be generated listing either an approval or deficiencies that must be addressed prior to approval.
- Mail Permit-by-Rule letter to Southeast PADEP Region Recycling Coordinator and/or to Southeast PADEP Region Recycling Coordinator Supervisor.
- Approval time is usually 2 to 4 months from submittal of the Permit-by-Rule application.

## **6.0 MULTI-MUNICIPAL LEAF WASTE COLLECTION SYSTEM OPTIONS**

As noted in Section 2.1, the primary goal for Perkiomen, Limerick, Skippack and Upper Providence Townships is to develop a simple and cost effective system to meet the Act 101 and PADEP minimum requirements for managing leaf waste. The alternatives reviewed in the following sections will emphasize the development of an implementable multi-municipal arrangement for curbside and/or drop-off leaf and yard waste management services that satisfies Act 101 and PADEP policies and guidelines.

### **6.1 Two Collection Options that Meet Act 101 Leaf Waste Requirements**

There are two collection methods that meet Act 101 recycling requirements and PADEP guidelines for residential collection of leaf waste from mandated communities:

- 1. Curbside collection of leaf waste (as defined by Act 101) including at least 12 collections (once per month) from residential establishments.**

2. **Two annual curbside collections of leaf waste (as defined by Act 101) in conjunction with a supplemental leaf waste drop-off site.** Provide at least two curbside collections per year (one in spring and one in fall) plus inform residents of a location to drop-off leaf waste for the purpose of recycling, which is a PADEP-approved site that is open to the public at least once per month.

## 6.2 Multi-Municipal Curbside and/or Drop-off Leaf Waste Management Options

The following curbside and/or leaf waste management options were considered as potential methods to secure multi-municipal leaf waste collection and processing services that satisfy Act 101 and PADEP requirements for leaf waste. Other implementing options such as forming a Council of Government (COG) or forming a joint solid waste authority were not considered since a simple solution for leaf waste recovery was a baseline condition.

### Option 1 – Multi-Municipal Competitive Bid For Curbside Leaf Waste Service

- o Participating municipalities can enter an intermunicipal agreement where one municipality takes the lead on issuing a competitive bid for curbside and/or drop-off collection and processing services for leaf waste recovered from the residential sectors of all participating municipalities. If the contracted service includes at least one curbside collection per month for leaf waste, no supplemental leaf waste drop-off is required.

If the curbside leaf waste contract secures only two collections per year to meet Act 101 minimums, the participating municipalities can secure the monthly drop-off service by:

- including the leaf waste drop-off service (i.e. once per month roll-off service) in the bid and contract;
  - providing the drop-off system and service themselves either individually or in a shared rotational drop-off system that is open to residents at least once per month;
  - bidding and contracting separately for monthly drop-off service (e.g. roll-off containers); or by
  - identifying a local and PADEP-approved leaf waste drop-off point that allows residential drop-off at least once per month. If a local site is identified and an arrangement is in place permitting public drop-off, the leaf waste drop-off service could be eliminated from the bid specification.
- Eligible leaf waste service providers under this scenario could include:
    - o Waste haulers – Likely to respond to provide municipal-wide curbside and/or drop-off services (e.g. roll-off service). J.P. Mascaro and WM both indicated they would

respond to a multi-municipal leaf waste bid issued by Perkiomen, Limerick, Skippack and Upper Providence Townships.

- Private Compost Facilities (e.g. Two Particular Acres and Barnside Farm). Private compost facilities could respond to provide drop-off collection services (e.g. roll-off containers) and processing on a limited basis, but these local compost facilities are not in a position (currently) to provide curbside leaf waste pickup.
- Although a less likely scenario, a municipal entity could respond to a competitive municipal bid to provide leaf waste management services as long as the municipal entity could meet bid specifications and criteria and there was no conflict of interest.

Bidding to secure curbside collection services was successfully done in nearby Hatfield Township. It is believed this approach is an implementable and cost effective way to secure curbside services for a group of municipalities that each need to implement an Act 101-compliant leaf waste management program. Further, the Townships can limit the number of years of the service contract to retain the flexibility to change to a different leaf waste management system or to revise the bid specification if it is found that certain aspects of the contract/program should be changed.

## **Option 2 – Leaf Waste Collection Service Provided by a Nearby Municipality**

- Participating municipalities can enter an intermunicipal agreement with each other and execute an agreement with a municipality or other municipal entity (e.g. solid waste authority) to collect leaf waste for delivery to a PADEP-approved compost facility. The municipality providing the collection service must be willing and capable of providing the desired level of leaf waste collection service and ensure collected material is taken to a facility that can process leaf waste in a PADEP-approved manner.

If this service arrangement includes at least one curbside collection per month for leaf waste, no supplemental leaf waste drop-off is required. If the level of curbside collection service is less than once per month, the Townships (and any other identified municipal participants) can secure the required monthly leaf waste drop-off service in the following or similar manner:

- Include monthly drop-off service as part of the agreement with the municipal service provider.
- Provide a drop-off system either individually, by sharing one or more sites, or in a shared rotational drop-off system. In all cases the drop-off must be open to residents at least once per month and applicable PADEP guidelines and educational requirements must be met.
- Municipally bid and contract separately for the monthly drop-off service (e.g. roll-off container service) with a private hauling company or private facility.



- Identify a local public or private and PADEP-approved leaf waste drop-off point that allows residential drop-off at least once per month and meet applicable PADEP guidelines and educational requirements.

Using an intermunicipal agreement to secure leaf waste services provided by another municipal entity eliminates the legal requirement for competitively bidding for service exceeding a \$4,000 contract amount, according to Township code. Although municipal collection of leaf waste and transport to a municipally operated or private compost facility is a viable leaf waste management option in some areas, it does appear to be a favorable option at this time because the local municipal facilities and municipal collection system infrastructure appears very limited in capacity and capability to meet the needs of the proposed multi-municipal collection arrangement for leaf waste. GF did not interview individual municipalities in the surrounding area to determine their willingness or capability for providing curbside and/or drop-off services to Perkiomen, Limerick, Skippack and Upper Providence Townships.

### **Option 3 – Ordinance Revisions to Achieve Leaf Waste Requirements**

- Participating municipalities could revise their solid waste and/or recycling ordinance to require waste haulers to collect leaf waste in accordance with PADEP requirements and specify leaf waste delivery to a PADEP-approved facility. The municipalities could work together to establish leaf waste requirements for collectors and standardized handling procedures for residents to improve program consistency and program performance. If the ordinance requires at least one curbside collection per month for leaf waste, no supplemental leaf waste drop-off is required. If curbside service is provided less than once per month, a PADEP-approved supplemental leaf waste drop-off program must be in place and open to the public at least once per month.

Skippack Township has a solid waste ordinance in place that addresses leaf waste requirements for collectors and residents, including requirements for delivery to PADPEP-approved facilities. Based on a preliminary review of this ordinance, the language appears to satisfy PADEP and Act 101 requirements for leaf waste management and it also places specific requirements on the collectors. It is important that the ordinance is enforced to ensure programs are implemented as intended.

It is noted that having a solid waste and/or recycling ordinance that accurately defines leaf waste requirements in accordance with Act 101 and PADEP guidelines does NOT ensure that the actual program implemented will comply with PADEP policies and guidelines. Consequently, the ordinance should be implemented and enforced in a manner that is consistent with Act 101 and PADEP requirements for municipal collection and processing of leaf waste. Based on GF's experience with municipal solid waste and recycling programs and ordinances, the ability to actively and effectively enforce ordinances within a private subscription waste collection system is very limited. Further, this option could put a strain on private hauler resources and be costly for the residents of the municipalities who ultimately will pay for the mandated service.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

### 7.1 Conclusions

In this study, Gannett Fleming evaluated several options for Perkiomen, Limerick, Skippack and Upper Providence Township to work together to achieve a regional approach to implementing a leaf waste management program that complies with Act 101 requirements and PADEP policies and guidelines. Cooperative and regional approaches to waste management is gaining momentum in Pennsylvania due to rising waste management costs and the increased awareness of the benefits that can result from multi-municipal arrangements:

- Lower costs (e.g. through competitive municipal bidding for a large service area).
- Better service.
- Consistency among programs allowing improved education and improved program performance.
- Environmental benefits (reduced gas consumption and emissions, etc.).

GF has provided the following key findings and conclusions based on this regional leaf waste management evaluation and analysis:

- No permitted public compost facility is currently operated in Perkiomen, Limerick, Skippack or Upper Providence Township.
- Nearby municipally operated compost facilities do not appear to have the capacity and/or interest in becoming a leaf waste drop-off site for residents from other municipalities.
- Although several leaf waste management options are viable in terms of meeting Act 101 and PADEP leaf waste requirements, a multi-municipal competitive bidding process is a relatively simple, cost effective and legally sound mechanism for securing leaf waste collection and processing services.
- GF understands that Perkiomen and Limerick Townships wish to meet the minimum level of service to meet Act 101 and PADEP leaf waste requirements. Leaf waste collection minimums include two curbside leaf waste collections (one in spring and one in fall) plus a supplemental drop-off collection system that is open to residents at least once per month. Notably, meeting only the minimum Act 101 collection requirements for leaf waste may not be satisfactory to residents that generate leaf waste and yard waste and lack convenient options for proper disposal of this material. Residents may complain about the marginal level of service and the Townships should be prepared to deal with these complaints.

### 7.2 General Recommendations

- All public leaf waste drop-off facilities and drop-off points (e.g. roll-off containers) should be staffed during hours of operation to minimize drop-off of unwanted materials and to reduce potential for other liabilities.
- Use Kraft paper bags bought in bulk through the competitive bid process, which could include participation in the Montgomery County Consortium of Municipalities. The Consortium bid for leaf bags on behalf of thirteen municipalities in May 2006 and received a low cost of .264 cents per bag. The Townships should sell bags to residents at a cost that exceeds the purchase price to recover some of the costs for the leaf waste collection contract and program administration. Hard plastic containers for curbside collection of leaf waste should be evaluated as a cost-effective alternate to a comprehensive leaf waste management strategy.
- Perkiomen, Limerick, Skippack and Upper Providence Township are encouraged to regionalize leaf waste management and other waste management activities in order to: lower collection system and processing costs; enhance waste diversion; improve regional waste management practices; facilitate enforcement; standardize waste and recycling education; and to minimize environmental impacts from waste management activities in the region. Bidding cooperatively for leaf waste may be a starting point for a multi-municipal bid for implementing a comprehensive curbside waste, recyclables and leaf waste collection and processing program. The cost per unit or household for leaf waste collection services will be lower if these services are bundled with waste collection and/or recyclables collection services and competitively bid together.

### 7.3 Recommended Multi-Municipal Leaf Waste Collection Program

GF recommends Perkiomen, Limerick, Skippack and Upper Providence Townships implement a leaf waste management program that complies with Act 101 requirements and PADEP policies and guidelines in the following manner:

- **Multi-municipal Bid:** Enter an intermunicipal agreement and cooperatively bid for curbside and drop-off leaf waste collection and processing services. It is recommended Perkiomen Township take the lead in the bidding process on behalf of all four municipalities. The Hatfield Township leaf waste bid document that was provided by Hatfield Township should be used as a starting document but should be revised. Some noted revisions include:
  - Clarification in the bid language that leaf waste must be taken to a PADEP-approved leaf waste processing facility. The bid should not require that the hauler direct leaf waste to a specific compost facility based on the current leaf waste processing options. In the future, if a suitable public or private compost facility is identified to serve the region, material could be directed to this site in the bid specifications.
  - Clarification of the number of households serviced, miles of highway, and other particulars about the service areas that will allow the bidders to accurately respond to the bid proposal.

- Specify the agreed collection frequency for the curbside collection program, which at a minimum, would include one day in the spring and one day in the fall for each municipality. GF recommends the Townships give serious consideration to providing (as a bid specification) more than one curbside collection for leaf waste (especially more than one fall collection) to improve the level of service that is offered to residents and to minimize residential complaints about inadequate leaf waste collection service.
- Leaf waste drop-off service specifications including roll-off container size (30-40 cubic yards), collection frequency: once per month (e.g. Saturday 8:00 a.m. to 12:00 p.m.). The bid document should request both the price per pull AND the price per ton for leaf and yard waste processing. Because drop-off services could be provided by a local private facility, a price per cubic yard or per container for processing could be included to allow private facilities to accurately respond to this part of the bid.
- Requirements for providing leaf waste collection data/reports for each municipality should be clear.
- Consider a one-year contract term with a one-year renewal option to retain the flexibility to make changes to the program in the near future.
- **Finalize Municipal Involvement in Bid:** Make final decisions on which municipalities will participate in the bid process. This should be done immediately and input from all participating municipalities should be provided formally, with an opportunity for each municipality’s solicitor to review the final bid package prior to issuance.
- **Public Campaign:** The Townships should foster positive relationships with their local media representatives and encourage a positive and “green” spin on this cooperative effort among the municipalities. This public campaign should emphasize that this cooperative approach to leaf waste management will:
  - meet Act 101 and PADEP requirements;
  - lower cost per household (as compared to the municipalities acting alone and letting haulers pass the price on to residents);
  - minimize truck traffic, emissions and fuel consumption;
  - minimize damage to roads and alleys; and
  - allow the Townships to track the amount of leaf waste recovered.

**FIGURES**

- Figure 1 – Project Location Map**  
**Figure 2 – Proposed Upper Providence Compost Facility**  
**Figure 3 – Local and Regional Leaf Waste Drop-off Sites / Compost Facilities**

**APPENDIX A**

List of Local Private Waste Hauling Companies

**MONTGOMERY COUNTY – PERKIOMEN VALLEY  
PRIVATE WASTE HAULING COMPANIES**

**Allied Waste Services**

372 S. Henderson Road  
King of Prussia, PA 19406  
(610) 265-6337 FAX (610) 265-5918

**ChesMount Disposal**

129B S. Ship Road  
Exton, PA 19341  
(610) 524-3200 FAX (610)524-8100

**Cook & Young Industries (Commercial Only)**

P.O. Box 147  
Royersford, PA 19468  
(610) 948-3501 FAX (610) 948-3504

**Horizon Waste Service, Inc.**

700 Brook Road, P.O. Box 572  
Conshohocken, PA 19428  
(610) 397-1901 FAX (610) 397-1903

**J. P. Mascaro & Sons**

315 W. Sixth Street  
Bridgeport, PA 19405  
(800) 432-1616 FAX (610) 272-7150

**Romano Rubbish Removal, Inc.**

3355 Arcola Road  
Collegeville, PA 19426  
(610) 539-8317

**Violia Environmental Waste Services (formerly Onyx)**

300 West Washington Street  
Norristown, PA 19404  
(610) 272-2001 FAX (610) 272-4518

**Waste Management**

400 Progress Drive  
Telford, PA 18969  
(215)257-1142 (800) 328-1717 FAX 215-453-2540



**APPENDIX B**

Regional Compost Facility Survey Summary



**Leaf and Yard Waste Facilities Questionnaire for the Montgomery, Bucks, and Chester Tri-County Region**

County	Township	Facility Name	Phone	Leaf and yard waste materials accepted:					Leaf and yard waste is accepted from:			Tipping fees for the materials:					Scale present at site:	
				Leaves	Mixed Yard Waste	Woody Waste	Grass	Other	Residents	Commercial	Both	Leaves	Mixed Yard Waste	Wood Waste	Grass	Other	Yes	No
Montgomery	Upper Merion	Valley Forge Fill Site	(610)-272-7257 (610) 277-1983	X	X	X		X (Concrete, asphalt)			X	\$35/load (pickups) \$100/load (triaxle)	\$35/load (pickups) \$100/load (triaxle)	\$35/load (pickups) \$100/load (triaxle)		\$35/load (pickups) \$100/load (triaxle)	X	
Montgomery	Upper Merion	Wayne Carmint Landscaping	(610)-272-8550	X							X	\$20-\$25/load (pickups) Large \$40/load (roll-off containers)						
Montgomery	East Norriton	Norristown Farm Park Environmental Landscaping Services	(610)-278-2560	X							X							
Montgomery		J.P. Mascaro Souderton Compost Facility		X	X		X				X						X	
Bucks	Doylestown Boro	Jeffrey Sparks Excavating	(215-345-4481)	X							X	\$125.00/season (September thru April)						
Bucks	Lower Makefield	Lower Makefield Twp. Public Works	(267) 274-1130	X	X	X	X				X	Free						X
Bucks	Warwick	Warwick Green Grinders	(215)-598-3058		X	X					X							X
Chester		Lanchester Landfill	1-800-626-0067 610-273-3771	X	X	X	X	X (Christmas Trees)			X	\$17/ton (October - January) \$40/ton (February - September)		\$40/ton - Branches, Tree Limbs, Brush/shrubs \$40/ton - Construction related wood waste (clean) \$40/ton - Pallets/skids/crates \$58/ton - Railroad ties/telephone poles and pressure treated lumber \$52/ton - Tree Stumps	\$18/ton	\$40/ton - Christmas trees (No charge - Individual Christmas trees)	X	
Bucks		Tulleytown Resource Recovery Facility (owned by WM leased to Nature's Choice to operate compost facility)	(215-736-9400)	X	X						X	\$46/ton	\$46/ton	\$46/ton	\$46/ton		X	

**Leaf and Yard Waste Facilities Questionnaire for the Montgomery, Bucks, and Chester Tri-County Region**

County	Township	Facility Name	Phone	Finished materials generated:						Exchange program for materials:		Operations occur:				Comments:	
				Compost	Soil Blends	Tanbark	Mulch	Colored Mulch	Other	Yes	No	Spring	Fall	Summer	Year Round		
Montgomery	Upper Merion	Valley Forge Fill Site	(610)-272-7257 (610) 277-1983				X			X (Stone)		X				X	
Montgomery	Upper Merion	Wayne Carmint Landscaping	(610)-272-8550	X								X				X	
Montgomery	East Norriton	Norristown Farm Park Environmental Landscaping Services	(610)-278-2560									X				X	ELS only collects materials from Norriton, East Norriton, and West Norriton through a municipal contract.
Montgomery		J.P. Mascaro Souderton Compost Facility															J.P. Mascaro only collects materials through a municipal contract. The contract information determines the various tip fees for collected materials.
Bucks	Doylestown Boro	Jeffrey Sparks Excavating	(215-345-4481)	X (\$16/yd)			X (\$24/yd)			X (Bedding \$24/yd)		X				X	Lower Makefield Township has four contracts for residential and commercial collection of leaf waste. Material is only accepted from residents of Lower Makefield Township.
Bucks	Lower Makefield	Lower Makefield Twp. Public Works	(267) 274-1130				X (Free)			X						X	
Bucks	Warwick	Warwick Green Grinders	(215)-598-3058				X (\$24/yd)	X (\$27/yd)				X				X	
Chester		Lanchester Landfill	1-800-626-0067 610-273-3771	X								X				X	Lanchester Landfill schedules one day of free pick-up of the processed mulch for its residents every Spring.
Bucks		Tulleytown Resource Recovery Facility (owned by WM leased to Nature's Choice to operate compost facility)	(215-736-9400)														

**APPENDIX C**

Montgomery County List of Compost Facilities

## Montgomery County Composting Directory

Source: PROP website: [www.proprecycles.org](http://www.proprecycles.org)



The information in our compost facility directory is based on information provided by composting and recycling professionals throughout Pennsylvania. If you discover inaccuracies or omissions please [contact us by email](#) or by phone (800-767-PROP). PROP does not endorse any of these facilities or businesses.

### *Private:*

<p>Mascaro Composting 2650 Audubon Road Audubon, PA 19403</p> <p>Contact: JP Mascaro III Phone: (215)-256-1900</p>	<p>Product: Compost Feedstocks: Leaves</p> <p>Facility Location: A&amp;M Compost 2022 Mountain Rd. Manheim, PA 17545</p>
<p>Norristown Farm Park Environmental Landscaping Services, Inc. 2609 Upper Farm Road Norristown, PA 19403</p> <p>Contact: Jim O'Rourke Phone: (610)-278-2560 Fax: (610)-278-2561</p>	<p>Product: Compost Feedstocks: Leaves</p>
<p>Two Particular Acres 301 Ritten House Rd. Royersford, PA 19468</p> <p>Phone: (610)-454-9635</p>	<p>Products: Feedstocks: In addition to yard and leaf, Agricultural manures, they also accept preconsumer food products for composting</p>
<p>Valley Forge Fill Site 450 Valley Forge Road King of Prussia, PA 19406</p> <p>Contact: Bill Gallagher Phone: (610)-272-7257</p>	<p>Product: Mulch Feedstocks: Leaves</p>
<p>Wayne Carmint Landscaping 340 Crooked Lane King of Prussia, PA 19406</p> <p>Contact: Wayne Carmint Phone: (610)-272-8550</p>	<p>Product: Mulch Feedstocks: Leaves</p>



### *Municipalities:*

<p>Abington Township 1176 Old York Road Abington, PA 19901</p> <p>Contact: Ed Micciolo Phone: (215)-884-5000</p>	<p>Product: Screened compost (5,000 yards<sup>3</sup> per year) Feedstocks: Leaves, grass, brush, and branches</p> <p>Curbside Collection Facility Location: 2211 Florey Lane</p>
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<p>Cheltenham Township 8230 Old York Road Elkins Park, PA 19027</p> <p>Contact: Robert Young Phone: (215)-887-1000</p>	<p>Product: Compost / Mulch Feedstocks: Leaves, grass, brush, and branches</p> <p>Facility Location: Waverly Road between Cheltenham Ave. and Church</p>
<p>Collegetown -Trappe Joint Public Works 220 West First Avenue Trappe, PA 19426</p> <p>Contact: Ernest Schmitt Phone: (610)-489-2831</p>	<p>Product: Mulch Feedstocks: Leaves, grass, brush, branches, and clean food waste</p> <p>Facility Location: West 7th Ave. Drop offs accepted from residents only</p>
<p>Conshohocken Borough 720 Fayette Street Conshohocken PA 19428</p> <p>Contact: Harvey Buek Phone: (610)-828-4456</p>	<p>Product: Compost Feedstocks: Leaves, grass</p> <p>Facility Location: West Seventh Avenue</p>
<p>Douglass Township 1320 E. Phila Ave Gilbertsville, PA 19525</p> <p>Contact: Georgeann Rohrbach Phone: (610)-367-6062</p>	<p>Product: Mulch Feedstocks: Leaves</p> <p>Facility Location: 108 Municipal Drive</p>
<p>East Norriton Township Building</p> <p>Phone: (610)-275-2800</p>	
<p>Lower Merion Township 75 East Lancaster Avenue Ardmore, PA 19003</p> <p>Contact: Steve Handy Phone: (610)-667-1952</p>	<p>Product: Mulch Feedstocks: Leaves, brush, and branches</p> <p>Facility Location: 1300 Woodbine Ave. at Penn Valley Transfer Station</p>
<p>Plymouth Township 700 Belvoir Road Norristown, PA 19401</p> <p>Contact: Tim Boyd Phone: (610)-277-4103</p>	<p>Product: Compost, Mulch Feedstocks: Leaves, brush, branches less than 5" in diameter</p> <p>Facility Location: Township Building Compost pick-up and material drop off</p>
<p>Royersford Borough PO Box 188 300 Main Street Royersford, PA 19468</p> <p>Contact: Conrad Baver Phone: (610)-948-5887</p>	<p>Product: Mulch</p> <p>Facility Location: Sewer Plant</p>
<p>Springfield Township 1510 Paper Mill Road Wyndmoor, PA 19038</p>	<p>Product: Compost Feedstocks: Leaves</p>

<p>Contact: Jack Connor Phone: (215)-836-7600</p>	
<p>Telford Borough P O Box 209 Telford, PA 18969</p> <p>Contact: Daphne Hollowbush Phone: (215)-723-5000</p>	<p>Product: Compost Feedstocks: Leaves</p> <p>Facility Location: Sewage Treatment Plant</p>
<p>Trappe Borough Yard Waste Drop-off 525 West Main Street Trappe, PA 19426</p> <p>Phone: (610)-489-7181</p>	
<p>Upper Dublin Township 801 Loch Alsh Avenue Fort Washington, PA 19034</p> <p>Contact: Bill Grove Phone: (215)-643-1600</p>	<p>Product: Compost Feedstocks: Leaves, grass, brush, and branches</p> <p>Facility Location: Camp Hill Road</p>
<p>Upper Merion Township 175 West Valley Forge Road King of Prussia, PA 19406</p> <p>Contact: Robert Norman Phone: (610)-265-2606</p>	<p>Product: Compost Feedstocks: Leaves</p>
<p>Upper Moreland Township 117 Park Avenue Willow Grove, PA 19090</p> <p>Contact: Jack Snyder Phone: (215)-659-4070</p>	<p>Product: Mulch Feedstocks: Leaves, grass, brush</p> <p>Facility Location: Terwood Road</p>
<p>Whitemarsh Township 616 Germantown Pike Lafayette Hill, PA 19444</p> <p>Contact: Robert Ford Phone: (610)-825-3535</p>	<p>Product: Mulch Feedstocks: Leaves and brush</p> <p>Facility Location: 2015 Joshua Road; Public Works</p>