



**Recycling Technical Assistance Project # 566**

**Upper Dublin Township, Montgomery County**

**Compost Distribution  
Assistance & Recommendations**

*Sponsored by the Pennsylvania Department of Environmental Protection  
through the Pennsylvania State Association of Township Supervisors*

**FINAL REPORT**

June 2015



Mechanicsburg, PA

York, PA

Philadelphia, PA

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# RECYCLING TECHNICAL ASSISTANCE PROJECT #566

## UPPER DUBLIN TOWNSHIP, MONTGOMERY COUNTY

### COMPOST DISTRIBUTION ASSISTANCE & RECOMMENDATIONS

#### 1. STATEMENT OF THE PROBLEM

Upper Dublin Township has a limited-acreage compost site and does not have space to store finished or excess feedstock materials beyond the normal processing year. The Township requested technical assistance to improve its ability to reliably clear finished compost product from its leaf waste and yard waste compost operations with a focus on yard waste grindings that are not mixed with leaf compost, a less in-demand product. Operational improvements at the Upper Dublin compost site will allow space for the next year's incoming feedstock for processing and composting. MSW Consultants, LLC (MSW) was enlisted to assist Upper Dublin Township to clarify the municipal compost product marketplace in the immediate area, to identify customers to receive Upper Dublin Township's yard waste grinding material, to identify steps to improve the prospects for material distribution on a regular and sustainable basis and to make other related recommendations as appropriate.

#### 2. SUMMARY OF WORK COMPLETED

##### 2.1 UPPER DUBLIN TOWNSHIP COMPOST SITE REVIEW

MSW staff visited the Upper Dublin Township compost site at 1128 Camphill Road, Fort Washington on multiple occasions, and met with Craig Frey, Assistant Superintendent, Sanitation Division of the Upper Dublin Department of Public Works, to review current equipment and site operations, discuss specific issues and gather background data on the current operations.



*This is the gated entrance of Upper Dublin Township's compost site. Raw Brush and Yard Waste are shown on the left, and ground yard waste is shown on the right.*

The Township compost site operations take place on approximately 3.5 to 4.0 acres. The front third of the site is paved, and the remainder of the site has a compacted earth and stone base where windrow composting occurs.



Leaves are collected in the fall season with modern Township vacuum collection equipment, and are placed directly in two large windrows for temporary staging. Some of the leaf material is placed in windrows where it undergoes the low technology composting process in 12 to 16 foot wide, 6 to 8 foot high and 250 foot long windrows.

*On the left are compost windrows, new windrow is built at the center, and a temporary staging feedstock windrow is on the right.*

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**Top:** A straddle turner turns compost. Compost is turned periodically until it is mature.

**Bottom:** A tub grinder processes yard waste.

Windrows are turned with a Scarab straddle turner periodically until the leaf compost is mature. Once a leaf windrow is finished, it is removed from the site and more leaves from the temporary staging windrow are built into a new windrow for composting.

The Township collects residential mixed yard waste in 96-gallon carts at curbside weekly, from March through November. Yard waste is delivered to the compost site and stacked in a pile on the paved area of the site. Weekly, the Township brings its Dura-Tech tub grinder to the site from the Public Works Garage and grinds the material. Material is then stacked in a temporary pile until it is incorporated into the leaf windrows, turned periodically and composted.

At one time, the Township accepted commercial loads of leaves at its site for a fee, but this was discontinued by the Township a number of years ago. The Township does accept drop-off of leaves and yard waste at its compost site from Township residents with proof of residency.

The Township previously accepted yard waste from landscapers working for residents within the township until 2014, at which time this practice was stopped. This was due primarily to the quantity of material coming in, and the difficulty of having the material removed in the fall to make room for the new leaves coming in. It was also difficult to assure that the incoming material was in fact coming from within the Township, and not surrounding areas.

Once the composting process is complete, the final compost product, made from mixing the leaf feedstock with yard waste, is of very good quality. The finished yard waste compost product made from brush, trimmings, etc., when leaves are no longer available, is of somewhat lesser quality for home use. Woody material remains in the product as a result of 4 to 6 inch tub grinder screen openings used for grinding the mixed woody feedstock material.

The Township typically mixes the finished leaf compost and the finished yard waste compost products before it is available for public do-it-yourself pickup at two Township locations (Camphill Road at the Dog Park, and Fort Washington Road near the soccer fields). The Township also uses a front loader to load finished compost materials into trucks or trailers for anyone (resident or non-resident) at no cost. This includes commercial landscapers and soil processors in an effort to remove the material from the site when needed. The Upper Dublin compost site does not have space available to store finished compost product beyond the start of each successive fall leaf collection season, so it must be



*A front loader moves finished product.*

removed from the site each year by September or October to clear the site for incoming material. The amount of incoming brush and yard waste increases in years with more severe storms and hurricanes. Upper Dublin Township recorded a total of 2,744 tons of yard waste collected, and 3,969 tons of leaves collected in 2013 (as of November 2013). In late August 2013, when the compost site typically needs to be cleared for receipt of new fall leaf deliveries, the Township estimated that approximately 5,800 cubic yards of yard waste grindings, yard waste windrows and mixed leaf/yard waste compost remained on the site from previous material receipts. A similar situation occurred in late summer/early fall of 2014. With each new leaf season around the corner, removal of this material from the site is a critical annual concern of the Township.

## **2.2 COMPOST SITE LIMITATIONS**

Expansion of the current site may allow more space for stockpiling finished product so the Township does not have such a critical need to remove all finished product throughout the year, and especially by the beginning of the new fall leaf collection season. However, the current compost site does not appear to lend itself to expanding its footprint. The site is bounded on the west by recent stormwater detention and control improvements, on the north by a relatively new dog park, and on the east by Camphill Road. It is not believed additional land is available on the southern portion of the Township property (to the left as one enters the site), but this should be confirmed by the Township. If land is available, expansion of operations in this direction may be an option.



*Township employees deliver fall leaves to the compost site.*

The site has an on-site well, but it is not believed this is used to wet the windrow piles. A public water main reportedly exists along Camphill Road, and a new water service line onto the site with freeze-free hydrants may provide easier access to water for composting during windrow building and turning. Maintaining proper moisture content in the windrow piles may result in more rapid composting and a higher quality end-product, which may increase the demand for product giveaway or sale.

The remaining unpaved two-thirds of the compost site is a surface of compacted ballast and road millings. Continual maintenance to fill in depressions and washed-out areas is required, and at times small amounts of stone are pushed into compost. This area may be paved to create a more sturdy and all-season base pad for composting, but this carries significant cost, and no problems with the current pad were noted during site visits or staff interviews.

## **2.3 MUNICIPAL MARKETPLACE PHONE SURVEY**

A large number of municipalities in the immediate vicinity of Upper Dublin Township take responsibility for their own garbage and recycling collection, as well as for other public services such as leaf and yard waste collection and composting. Appendix 3 presents a list and a map of current municipal waste collection practices by Montgomery County municipalities. (Upper Dublin Township is Municipality #17 on the map.) To determine what services and practices other surrounding municipalities in the regional marketplace are offering regarding composting, MSW conducted a

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*Upper Dublin Township, Montgomery County*  
*Compost Distribution Assistance & Recommendation*

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phone survey of municipalities in the immediate area to determine the current organic materials collection practices, acceptance terms and fees, composting services they perform and the current distribution practices or outlets for finished compost material produced by these municipalities.

A total of 10 municipalities in the region were surveyed, with populations ranging from 13,590 to 57,825 (2010 U.S. Census) which is comparable with Upper Dublin Township's 25,569 population (2010 U.S. Census). All of these municipalities, due to populations of over 10,000, are required by PA Act 101 to separately collect leaves and provide for yard waste collection, and to provide for proper processing or composting. Many of these municipalities operate their own leaf/yard waste compost sites. These municipalities participated in the phone survey:

Abington Township	Norristown Borough
Cheltenham Township	Plymouth Township
East Norriton Township	Springfield Township
Horsham Township	Upper Moreland Township
Lower Merion Township	Whitpain Township

Upper Dublin Township also completed the municipal survey, for comparison of services. The survey questions are listed in Appendix 1a. The results of the municipal surveys are summarized in a table in Appendix 1b.

The following findings are relevant to establishing the regional marketplace condition for composting services and finished compost product distribution:

- ◆ None of the municipalities surveyed charges a fee for finished compost product. Unfortunately, this instills in the mindsets of residents and businesses that this is a product with no value. This creates a difficult arena in which to begin to charge fees for materials.
- ◆ Many municipalities will load finished product onto commercial trucks at no fee for loading or for the material itself. Abington Township, in contrast, will load finished compost in bulk for anyone (including non-township residents) at the compost site for \$2.50 per cubic yard, Monday through Friday.
- ◆ Most municipalities sponsor sites for free self-service finished compost pickup.
- ◆ Some municipalities will, on rare occasions, haul finished product to a private soil processor's site to clear the compost site of material. In general, the mindset appears to be to take all measures to move the finished product off-site to make room for new leaf and yard waste deliveries (similar to Upper Dublin's current situation).
- ◆ Several surveyed municipalities allow commercial landscapers to bring leaves and yard waste to the municipal compost site, at no fee, as long as the landscaper obtains a municipal license from the municipality and there is proof that delivered material was generated at a residential property within the municipality.
- ◆ Lower Merion Township charges landscapers a fee of four cents per pound (equivalent to \$80 per ton) for yard waste dropped off at its compost site that has a scale available for measuring weight.



- ◆ Plymouth Township will deliver 1 to 5 cubic yards of finished compost to residents for a fee of \$30 on Fridays from April through October; residents must sign a liability release and pay the fee in advance of delivery.

Therefore, in the current regional marketplace for composting services, drop-offs of raw materials and distribution of finished product is usually provided at no charge, but there are some exceptions to this general rule.

## 2.4 SOIL PROCESSOR SURVEY

MSW also attempted to perform a phone survey of ten soil processors within 40 miles of Upper Dublin Township to determine their acceptance requirements for the material (e.g. amount of compost stability and particle size required, requirement to haul vs. pickup, fees paid, etc.). Some processors viewed the information requested as proprietary, and they would not provide feedback. Most soil processors did not return phone calls or emails. For future use, MSW has provided to the Township, under separate cover, a list of the other soil processors that it attempted to survey.

In place of the phone survey, Terry Keene and Craig Frey visited one of the Township's current soil processors that picks up finished product, loaded by Township employees, at the Township compost site at no cost. This very positive meeting confirmed the interest in this soil processor in continuing to pick up and process all of Upper Dublin Township's available leaf compost and yard waste compost. No changes in the current quality of either material are requested by this processor. Upper Dublin prefers to keep information about the processors confidential.

## 3. SUSTAINABILITY RECOMMENDATIONS

Steps may be taken to improve the economics and sustainability, or to improve the quality, of the compost services and products produced at the Upper Dublin compost site. When analyzing the following recommendations, it is important that the Township consider the current regional marketplace limitations, the acceptability of the current finished product quality by the end-user, and the additional cost and manpower requirements that these suggestions may necessitate:

- ◆ **Expand the Current Compost Site:** Upper Dublin should explore expansion to the south of its compost site in the area of an apparent trail and a possible roadway. This appears to be the only direction in which site expansion may be possible, unless expansion to the north into the entranceway of the dog park is considered (which may require some re-grading of this area). By expanding the site, additional area may be established for yard waste receipt and processing, and especially for finished product storage that may allow more buffer area on-site during the subsequent fall leaf composting season.
- ◆ **Change the Tub Grinder Screen:** Grinding branches to a smaller size may improve the quality of finished compost material and increase resident and commercial user desirability. However, the current soil processor outlet does not require this change and finer grinding may increase wear and tear on the grinder and slow down the grinding process.
- ◆ **Add a Consistent Water Source:** A water service line and freeze-free hydrants may be installed at the site to allow windrow pile watering as piles are built. During site visits, material observed was drier and cooler (less bioactive) than optimum. By wetting and rewetting windrows and by

turning weekly, a good finished product will be created more quickly and cleared from the site, making way for a new windrow to be built.

- ◆ **Continue to Develop Soil Processor Relationships:** The Township is engaged in relationships with soil processors and should continue to build those relationships and available compost outlets beyond those currently secured. New compost outlets may be obtained through a competitive bidding process, however, a formal bid may result in a product removal cost to the Township.
- ◆ **Increase Program Revenues:** Investigate ways in which to generate revenue for raw organics receiving/drop-off and for finished compost product distribution. It is acknowledged that this may be especially difficult in the current regional marketplace where others provide these services for free. Focusing on quality may set this program apart from others. Two specific options are offered here:
  - Accept commercial landscaper materials again (assuming the site can handle the capacity), similar to Lower Merion Township at 4 cents per pound or an equivalent volume charge. Be certain to establish a fee that makes it worthwhile to the Township to provide this service. Alternately, consider setting a landscaper annual yard waste dropoff permit access fee of \$750; materials may be accepted from out-of-Township sources from landscapers, if desired.
  - Consider delivering finished compost to residents, similar to Plymouth Township's \$30 per delivery fee, using a liability release and pre-payment for the service. It is recommended to make this program economically worthwhile for the Township by charging a fee of \$100 to \$130 for any quantity from 1 to 5 or 1 to 8 cubic yards, depending on available truck capacity, to service those residents who still see the cost savings of this in comparison to commercially delivered material. In this instance, it may be more important to make a coarse-grind mulch product for landscape mulching, in addition to the leaf compost for soil amendment. Hampden Township, Cumberland County, PA's liability release form and delivery order form are presented in Appendix 2. The Hampden Township program provides services at the aforementioned rates.

Upper Dublin Township's current program is functional and believed to be cost-effective. These recommendations for program enhancement are offered for consideration, but not as absolute requirements for program success. They are offered for discussion, consideration and implementation, as appropriate.

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**APPENDIX 1a**  
**MUNICIPALITY AND SOIL PROCESSOR**  
**SURVEY FORM**

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**PA RTA #566**

**Upper Dublin Township**

**Municipality and Soil Processor Compost Site Phone Survey**

**Name:**

**Phone:**

**Address:**

**Email:**

**Web:**

**Type:** Private or Municipal

1. Do you have a compost site?
2. What material do you process?
3. How do you collect material?
4. Do you accept material from private firms, self-haul? Restrictions?
5. Is there a fee for drop-off or collection?
6. How do you distribute finished product?
7. Where do you distribute finished product?
8. How/What do you charge for the finished product?
9. Do you deliver finished product?
10. What is your delivery area, and do you deliver to public, private, both?

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**APPENDIX 1b**  
**MUNICIPALITY SURVEY SUMMARY TABLE**

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### Municipal Survey of Yard Waste Practices - Summary Results

Municipality (2010 pop.)	Do You Own/Operate A Leaf/Yard Waste Compost Facility? (Yes/No)	Municipal Collection of Leaves?	Collection/Sources of Leaves	Municipal Collection of Yard Waste?	Collection/ Sources of Yard Waste	Final End-Product(s) Produced	Distribution of Finished Product	Do you deliver finished product? (Yes/No)
CLIENT - Upper Dublin Twp. (25,569 pop.)	Yes  1128 Camphill Road, Fort Washington	Yes Curbside with leaf vacuum in the fall. Residents with ID may deliver leaves to compost site for free	1. Municipal crews 2. Twp. residents with ID (dropoff at compost site). No acceptance of materials from private firms (re-evaluating).	Yes Curbside, weekly from March through November in 95-gal containers, and paper bags and other homeowner cans (up to 9 items per stop)	Residential yard waste; bundled branches; Christmas trees in January; residents with ID may also drop off material at compost site. No acceptance of materials from private firms (re-evaluating).	Leaf compost and ground yard waste mulch.	Twp will load trucks with loader/operator at no fee. Also two self-serve pickup sites for finished product. No charge for finished product.	No (some hauling in the past as necessary, but want to avoid it).
Abington T. (55,310 pop.)	Yes Public Works Hwy Yard, Florey Ave, in Abington (leaves and brush processed/composted separately)	Yes Curbside Oct. - Dec. Residents may deliver leaves to compost site	1. Municipal Crews 2. Township residents with ID (no fee) 3. Contractors with a free Twp. permit serving Township residents - Twp. verifies contractor is servicing a Twp. resident (no fee) 4. Businesses that pay a refuse fee to Twp.	Yes Curbside March 1 - Jan. 31. No residential deliveries of brush to compost site are permitted	Brush, branches <3 ft. length & 3" dia.; Christmas trees collected seasonally.	Leaf mulch, brush mulch	1. Mulch used at Twp. facilities. 2. Available free to ANYONE (including non-Twp. residents) at Twp yard M-F, w/ \$2.50 cu. yd. loading fee if Twp loads it. 3. Available for free 24/7 at three other self-service sites. 4. Possible free loading into trailers of private companies	Not normally. If they must, they will haul finished product to an off-site soil processor's location.

Municipality (2010 pop.)	Do You Own/Operate A Leaf/Yard Waste Compost Facility? (Yes/No)	Municipal Collection of Leaves?	Collection/Sources of Leaves	Municipal Collection of Yard Waste?	Collection/ Sources of Yard Waste	Final End-Product(s) Produced	Distribution of Finished Product	Do you deliver finished product? (Yes/No)
Cheltenham T. (36,793 pop.)	Yes Waverly Road, between Church Road and Cheltenham Avenue, in Laverock	Yes Curbside leaves in the fall (loose), temporarily staged off-site in the fall and then moved to Waverly Road site in tarped dump trucks	Municipal crews (leaves collected loose in fall curbside; also accepted bagged by residents with yard waste, curbside).	Yes Curbside, must be in biodegradable bags. Residents may drop off leaves and garden debris in biodegradable bags at compost site	Curbside collection of grass, leaves, small branches and garden debris (bagged). Residents may also drop off these items, bagged, at compost site. Christmas trees collected seasonally. Landscapers w/ Twp. permit may drop off same materials if from Twp. resident (for free). Large branches require a \$15 fee (min.) and an appointment for pickup (no pickup during fall leaf collection season).	Mulch	<ol style="list-style-type: none"> <li>Used at Twp. facilities.</li> <li>Can be picked up by public and private businesses at compost site plus two additional locations.</li> <li>Available to landscapers, nurseries and soil processors. No fee is charged to any end-product user.</li> </ol>	Sometimes private entities pick up product with their own equipment; other times, the Twp. delivers to vendors at no fee (Twp. is happy to move the product and make space). Delivery area and vendors determined on a case-by-case basis.

Municipality (2010 pop.)	Do You Own/Operate A Leaf/Yard Waste Compost Facility? (Yes/No)	Municipal Collection of Leaves?	Collection/Sources of Leaves	Municipal Collection of Yard Waste?	Collection/ Sources of Yard Waste	Final End-Product(s) Produced	Distribution of Finished Product	Do you deliver finished product? (Yes/No)
East Norriton T. (13,590 pop.)	Yes E. Norriton initiated joint leaf composting with West Norriton T. and Norristown B. in 1989. E. Norriton operates two compost sites for the 3 municipalities under intermunicipal agreement, at Norristown Farm Park. The park is owned by Comm. of PA and op. by Montgomery Co. Only leaves composted here.	Yes Curbside fall leaf pickup by Twp.	Township only. No acceptance of materials from private firms.	Yes, but not composted. Yard waste collected and chipped at curbside, and Twp. delivers this material to a contractor at no cost (name kept confidential).	Call-in or website signup (on-line form) for inclusion in a scheduled monthly yard waste and spring leaf waste pickup day by Twp. Seasonal Christmas tree collection without call-in. No acceptance of materials from private firms.	Leaf compost	1. Used at Twp. facilities. 2. Placed in a bin at Twp. PW yard; residents can take unlimited amounts (self-serve); no fee. 3. A processor buys the remaining finished leaf compost (Twp. loads the processor's vehicles). Processor used and price paid are kept confidential.	No
Horsham T. (26,149 pop.)	No	The township is a private "subscription" trash and recyclables collection service municipality. The Twp. sponsors a 30 yd <sup>3</sup> yard waste rolloff dumpster, open 24/7 next to its police station, w/ video surveillance. No fee for use.	30 yd <sup>3</sup> dumpster is "pulled" (emptied by WM when full for a \$250 "pull" fee 2x/wk in the spring and fall (Oct.-Dec.), and weekly the rest of the year. Material hauled to Victory Gardens private compost site. Dumpster signage says "no commercial landscapers." No checking of ID to confirm Twp. residency.	Same as leaves.	Same as leaves.	n/a	n/a	n/a

Municipality (2010 pop.)	Do You Own/Operate A Leaf/Yard Waste Compost Facility? (Yes/No)	Municipal Collection of Leaves?	Collection/Sources of Leaves	Municipal Collection of Yard Waste?	Collection/ Sources of Yard Waste	Final End-Product(s) Produced	Distribution of Finished Product	Do you deliver finished product? (Yes/No)
Lower Merion T. (57,825 pop.)	Yes Two sites. 1. Woodbine Road/PW site. 2. Waverly Road site, near intersection of Lafayette Rd. and River Rd. (this is not the Cheltenham "Waverly Road" site)	Yes Fall leaf collections (loose or in biodegradable bags) taken directly to Waverly Road site	Curbside	Yes. Ground materials hauled by Twp. from Woodbine to Waverly site and composted.	Other than fall leaf pickup, materials from curbside collections, residential dropoff (self-haul, free) and landscaper dropoffs (self-haul, at \$0.04/lb, scale on site) taken to/accepted at Woodbine Road site and ground. In biodegradable bags or bundles. Seasonal Christmas tree collection.	Compost	1. Used at Twp. facilities. 2. Residents can pick up for free at Twp. site. 3. Private firms can come and load it with their own equipment. No fee to residents and private firms.	No
Norristown B. (34,324 pop.)	Yes Managed by E. Norriton Twp., at Norristown Farm Park.	Yes Loose curbside leaf collection in fall.	Borough only. No private or self-haul accepted.	Yes Via Boro contract with private hauler; taken to the Lower Merion Site (Woodbine Road)	Borough contractor only. No private or self-haul accepted.	Compost	Made available for self-serve residential pickup at Elmwood Park, free	No

Municipality (2010 pop.)	Do You Own/Operate A Leaf/Yard Waste Compost Facility? (Yes/No)	Municipal Collection of Leaves?	Collection/Sources of Leaves	Municipal Collection of Yard Waste?	Collection/ Sources of Yard Waste	Final End-Product(s) Produced	Distribution of Finished Product	Do you deliver finished product? (Yes/No)
Plymouth T. (16,525 pop.)	Yes. Very small site at Twp. offices	Yes Loose curbside leaf collection in fall. Also collected curbside in biodegradable bags with yard waste.	Curbside. No dropoff allowed (past problems with contamination).	Yes Curbside throughout the year in biodegradable bags or yard waste cans. Collected in rear loader trucks.	Grass, small branches/shrubs, leaves, garden waste in bio. bags. Tree trimmings up to 5"-diameter. Seasonal Christmas tree collection.	Compost	1. Used at Twp. facilities. 2. Free for pickup at PW yard (700 Belvoir Road). Self-serve (no longer Twp assistance due to liability concerns). 3. Twp will deliver to residents on public roads only (1-5 yd <sup>3</sup> ) for \$30 April through Oct. on Fridays; resident must first pay and sign liability release.	Yes To residents on public roads, for a fee (see previous column)
Springfield T. (19,418 pop.)	Yes On Morris Arboretum's property.	Yes Curbside Sept-Dec.. No dropoff or private deliveries accepted.	Fall collection in biodegradable bags with some yard waste.	Yes Curbside Sept-Dec.. No dropoff or private deliveries accepted.	Fall collection of yard and garden waste in biodegradable bags with leaves. Seasonal Christmas tree collection.	Compost	1. Per in-kind service agreement with Arboretum, 1/3 of finished product is used by the arboretum. 2. Used at Twp. facilities. 3. At Twp. pickup site for self-serve free pickup by residents.	No

Municipality (2010 pop.)	Do You Own/Operate A Leaf/Yard Waste Compost Facility? (Yes/No)	Municipal Collection of Leaves?	Collection/Sources of Leaves	Municipal Collection of Yard Waste?	Collection/ Sources of Yard Waste	Final End-Product(s) Produced	Distribution of Finished Product	Do you deliver finished product? (Yes/No)
Upper Moreland T. (24,015 pop.)	Yes Tarwood Road (Upper Moreland Hatboro Joint Sewer Authority property)	Yes Curbside loose leaf collection	Curbside	Yes Brush, small branches/ tree trimmings, garden residues, leaves and grass in biodegradable bags; tree trimmings up to 4'-long and 4"- diameter in bundles accepted.	1. Municipal curbside collections. 2. Seasonal Christmas tree collection. 3. Landscapers with a Twp.-licensed business and collecting yard waste from residential properties may drop off material at compost site at no fee.	Mulch	Made available free to all (residents, landscapers, soil/compost processors, etc.) in unlimited quantities. Twp. will not load for residential customers due to liability, but will load commercial loads.	On rare occasions, Twp. may pay to haul material to off-site processors (e.g. equipment breakdowns). Normally, no need for Twp. to haul finished product.
Whitpain T. (18,875 pop.)	No	Via private contract. See Yard waste narrative.	See yard waste narrative	Twp. contracts with Republic Services (currently) to collect leaves and yard waste at curbside, twice/mo during Oct- Dec. and April; once monthly rest of the year. Twp. pays Republic \$46K/yr. Materials delivered by Republic to its compost site in Birdsboro.	Leaves, shrubs, minor tree trimmings in biodegradable bags or containers; bundled branches and shrubs (no dirt) under 4'-long and under 3"-diameter in bundles. Grass clippings are excluded from collections.	n/a	n/a	n/a

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**APPENDIX 2**  
**EXAMPLE MUNICIPAL COMPOST DELIVERY**  
**FORMS**

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CN- \_\_\_\_\_

Order # \_\_\_\_\_

# Leaf Compost/Tanbark Order Form

Name: \_\_\_\_\_ Date Ordered: \_\_\_\_\_

Address: \_\_\_\_\_  
(Property must be located in Hampden Township)

Home Phone Number: (\_\_\_\_) \_\_\_\_\_

Daytime Phone Number (if different from above): (\_\_\_\_) \_\_\_\_\_

The fee for product delivery is \$100 for up to eight cubic yards.  
Please indicate amount (up to eight cubic yards) you wish to order.

Cubic yards of Tanbark

Cubic yards of Leaf Compost

### Instructions for Delivery

**(Delivery will only be made to Hampden Township Residences)**

Delivery will be between the hours of 7:30 am and 3:00 pm, weather permitting. **We will only dump the material in the driveway.** Please mark the location by using a bucket or tarp. Make sure the dump area is clear of any overhead obstructions including power lines and tree limbs. **Until your delivery is made, please make sure that your driveway is not blocked by a parked car or other objects.**

Special Instructions: \_\_\_\_\_

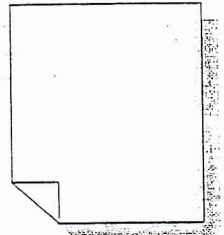
### TOWNSHIP USE ONLY

Payment: \_\_\_\_\_ Check # \_\_\_\_\_ Credit Card \_\_\_\_\_ Cash \_\_\_\_\_

Amount Received: \$ \_\_\_\_\_ Received by \_\_\_\_\_

Delivery: Date: \_\_\_\_\_ Time: \_\_\_\_\_ Driver: \_\_\_\_\_

Tanbark \_\_\_\_\_ Compost \_\_\_\_\_



## RELEASE AND AGREEMENT FORM

I/we have requested that Hampden Township deliver leaf compost or tanbark to the property I/we own located at \_\_\_\_\_.

In consideration of Hampden Township delivering to my/our property leaf compost or tanbark, I/WE HEREBY AGREE NOT TO SUE OR MAKE ANY CLAIM AGAINST HAMPDEN TOWNSHIP, ITS EMPLOYEES, COMMISSIONERS AND/OR AGENTS AND ALSO HEREBY AGREE TO RELEASE HAMPDEN TOWNSHIP, ITS EMPLOYEES, COMMISSIONERS AND/OR AGENTS FROM ANY AND ALL CLAIMS, LIABILITY, PERSONAL INJURY, PROPERTY DAMAGE AND LOSS OF ANY KIND OR NATURE IN ANY WAY RELATED TO THE DELIVERY AND/OR PLACEMENT OF LEAF COMPOST OR TANBARK ON MY/OUR PROPERTY, REGARDLESS OF ANY NEGLIGENCE ON THE PART OF HAMPDEN TOWNSHIP, ITS EMPLOYEES OR AGENTS.

I/WE ALSO AGREE TO INDEMNIFY AND DEFEND HAMPDEN TOWNSHIP, ITS EMPLOYEES, COMMISSIONERS AND/OR AGENTS FROM ANY CLAIMS AND LIABILITY RELATING TO PERSONAL INJURY AND PROPERTY DAMAGE IN ANY WAY ASSOCIATED WITH THE DELIVERY AND/OR PLACEMENT OF LEAF COMPOST OR TANBARK ON MY/OUR PROPERTY, REGARDLESS OF ANY NEGLIGENCE ON THE PART OF HAMPDEN TOWNSHIP, ITS EMPLOYEES OR AGENTS.

I/we acknowledge that I/we are able, at my/our expense, to pick up and deliver leaf compost and tanbark to my/our property; however, I/we voluntarily desire Hampden Township to deliver leaf compost or tanbark for an established fee, subject to the terms of this Release and Agreement.

By signing below, I/we acknowledge that I/we are ready to receive this product at the Township's discretion. If I/we choose not to accept this product upon delivery my/our order will be moved to the bottom of the delivery list, with no guarantee of product availability. I/we acknowledge that I/we have read and understood the terms of the Release and Agreement before signing this document.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name:

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Print Name:

Return form and payment to:

Hampden Township  
230 S. Sporting Hill Road  
Mechanicsburg, PA 17050  
Phone 761-0119 Fax 761-7267

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**APPENDIX 3**  
**MONTGOMERY COUNTY**  
**MUNICIPAL COLLECTION TYPE MAP**

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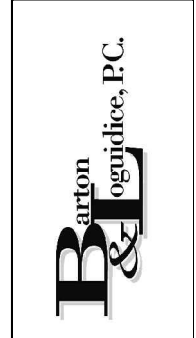
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By \_\_\_\_\_ Date \_\_\_\_\_  
 Ck'd \_\_\_\_\_ Date \_\_\_\_\_

REVISIONS	

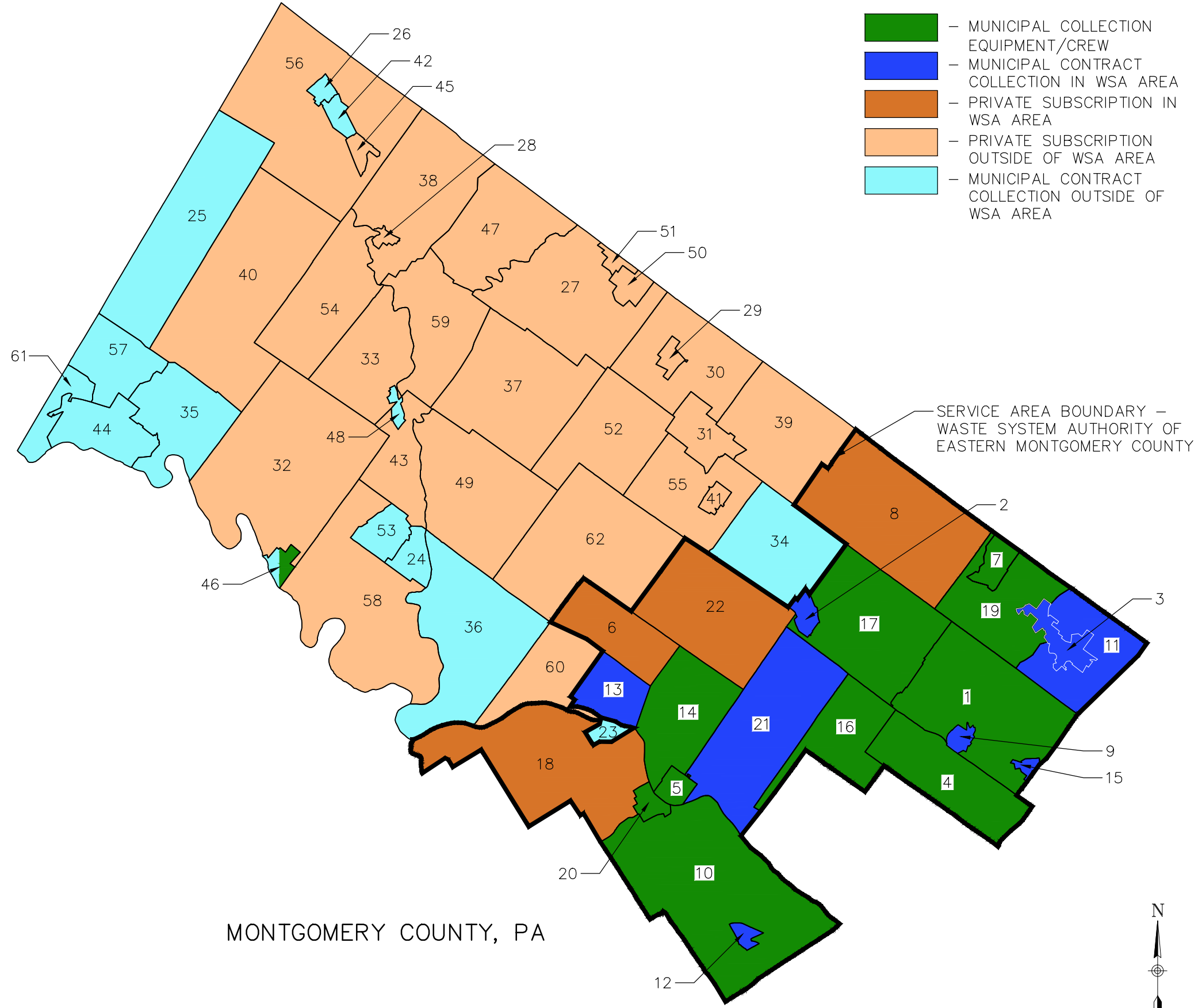
THE WASTE SYSTEM AUTHORITY OF EASTERN MONTGOMERY COUNTY  
**CURRENT MUNICIPAL WASTE COLLECTION SYSTEM TYPE**  
 MONTGOMERY COUNTY, PENNSYLVANIA



Date  
 JANUARY, 2014  
 Scale  
 NOT TO SCALE  
 Sheet Number  
**1**  
 Project Number  
 1202.002.001

WSA PARTICIPATING MUNICIPALITIES		
#	MUNICIPALITY	WASTE COLLECTION
1	ABINGTON	MUNICIPAL
2	AMBLER	CONTRACT
3	BRYN ATHYN	CONTRACT
4	CHELtenham	MUNICIPAL
5	CONSHOHOCKEN	MUNICIPAL
6	EAST NORRITON	SUBSCRIPTION
7	HATBORO	MUNICIPAL
8	HORSHAM	SUBSCRIPTION
9	JENKINTOWN	CONTRACT
10	LOWER MERION	MUNICIPAL
11	LOWER MORELAND	CONTRACT
12	NARBERTH	CONTRACT
13	NORRISTOWN	CONTRACT
14	PLYMOUTH	MUNICIPAL
15	ROCKLEDGE	CONTRACT
16	SPRINGFIELD	MUNICIPAL
17	UPPER DUBLIN	MUNICIPAL
18	UPPER MERION	SUBSCRIPTION
19	UPPER MORELAND	MUNICIPAL
20	WEST CONSHOHOCKEN	MUNICIPAL
21	WHITEMARSH	CONTRACT
22	WHITPAIN	SUBSCRIPTION

MUNICIPALITIES OUTSIDE OF THE WSA SERVICE AREA		
#	MUNICIPALITY	WASTE COLLECTION
23	BRIDGEPORT	CONTRACT
24	COLLEGEVILLE	CONTRACT
25	DOUGLASS	CONTRACT
26	EAST GREENVILLE	CONTRACT
27	FRANCONIA	SUBSCRIPTION
28	GREEN LANE	SUBSCRIPTION
29	HATFIELD BOROUGH	SUBSCRIPTION
30	HATFIELD TOWNSHIP	SUBSCRIPTION
31	LANSDALE	SUBSCRIPTION
32	LIMERICK	SUBSCRIPTION
33	LOWER FREDERICK	SUBSCRIPTION
34	LOWER GWYNEDD	CONTRACT
35	LOWER POTTS GROVE	CONTRACT
36	LOWER PROVIDENCE	CONTRACT
37	LOWER SALFORD	SUBSCRIPTION
38	MARLBOROUGH	SUBSCRIPTION
39	MONTGOMERY	SUBSCRIPTION
40	NEW HANOVER	SUBSCRIPTION
41	NORTH WALES	SUBSCRIPTION
42	PENNSBURG	CONTRACT
43	PERKIOMEN	SUBSCRIPTION
44	POTTSTOWN	CONTRACT
45	RED HILL	SUBSCRIPTION
46	ROYERSFORD	WASTE-MUNICIPAL RECYCLABLES-CONTRACT
47	SALFORD	SUBSCRIPTION
48	SCHWENKSVILLE	CONTRACT
49	SKIPPACK	SUBSCRIPTION
50	SOUDERTON	SUBSCRIPTION
51	TELFORD	SUBSCRIPTION
52	TOWAMENCIN	SUBSCRIPTION
53	TRAPPE	CONTRACT
54	UPPER FREDERICK	SUBSCRIPTION
55	UPPER GWYNEDD	SUBSCRIPTION
56	UPPER HANOVER	SUBSCRIPTION
57	UPPER POTTS GROVE	CONTRACT
58	UPPER PROVIDENCE	SUBSCRIPTION
59	UPPER SALFORD	SUBSCRIPTION
60	WEST NORRITON	SUBSCRIPTION
61	WEST POTTS GROVE	CONTRACT
62	WORCESTER	SUBSCRIPTION



MONTGOMERY COUNTY, PA

Plotted: Jan 07, 2014 - 10:56AM  
 Z:\BL-Vault CH\ND2\18217402-1071-4823-8927-990354054147\0492000-492999\492215\1202.002.001 Prop Boundary and soils (ID 492215).dwg  
 Checked by \_\_\_\_\_ Designed by \_\_\_\_\_ In charge of \_\_\_\_\_ TDK  
 Drawn by \_\_\_\_\_ JGS2