

Harrisburg



City of Harrisburg
revised permit
application to
compost in
Susquehanna
Township:
Moving in new
directions

Overview

The proposed composting site will only accept processing for:

- Leaf waste
- Garden waste
- Yard waste
- Tree trimmings
- Shrubbery

The site will also lend itself to environmental education training.

The City will include a 6 acre green belt buffer zone to allow space for wildlife and vegetation to continue to flourish.



NOTE: PADEP does NOT allow food waste under this permit.

Site Features



DATE: 03/20/2017
 PROJECT: 1683.001.002
 SHEET: 1-2
 SCALE: AS SHOWN
 PROJECT NUMBER: 1683.001.002

APPROXIMATE PROPERTY LEASE BOUNDARY (13.13 AC TOTAL)

GP30 PERMIT BOUNDARY (4.95 AC)

STANLEY ROAD
 HARRISBURG ORGANICS COMPOST
 SITE LAYOUT PLAN

CITY OF HARRISBURG
 DAUPHIN COUNTY, PENNSYLVANIA



Date: MARCH, 2017
 Scale: AS SHOWN
 Sheet Number: 1-2
 Project Number: 1683.001.002

Designed by: [Name]
 Drawn by: [Name]
 Checked by: [Name]
 Date: 03/20/2017
 Scale: AS SHOWN
 Project Number: 1683.001.002

Site Capacity

- The site is designed to compost approximately 5,500 cy of leaves and yard waste at one time.
- The site will hold up to an additional 3,500 cy of materials in curing piles.
- The City generated 544 tons of leaves in 2016 or about 5,000 cubic yards of leaves.
- Site capacity is set at 9,000 cy of composting material on the 5 acre site.



CY=Cubic Yard

Operations by City

Conditions of operation for the Harrisburg Compost Site will be inclusive of:

- The site will be registered under a WMGM030 permit.
- The site will only operate during normal business hours.
- The site will remain secured at all times.
- The site will only be accessed by Stanley Road via Arsenal Blvd.
- The site will be open to inspection from independent parties to ensure adherence to agreed upon terms of operation.



Environmental

On-Site Stormwater Controls:

- A Diversion swale located on the north side of the permit site will divert water from compost operations.
- The Compost pad to slope west.
- Stormwater directed through a compost filter “sock” at the western edge of the compost operations.
- After the compost “sock”, stormwater will flow through natural vegetative filter strips.
- Water is finally retained in 1 of 2 bio retention basins.
- Ultimate discharge of water is groundwater recharge or attenuated release into an existing swale.
- Post development discharge is less than the existing discharge.
- Stormwater controls meet or exceed the PADEP Best Management Practices (BMPs).



Environmental

Other Environmental:



- A DRAFT permit will be available for preview prior to being finalized on the City website: harrisburgpa.gov.
- The PA Natural Diversity Index (PNDI) search resulted in a 'no species of concern' for the location of the compost site.
- A Request for Determination (RFD) has been applied for from PADEP for the air impacts resulting from the equipment proposed for use at this site.
- Education curriculum is the responsibility of HSD, but the City has collected some info to share with the HSD and supports the formation of a joint task force.
- The application contains a Pollution Prevention and Control (PPC) Plan that is typical for composting in PA.
- Capital Region Water indicates that previous water to school is still active and can supply water for operations.

Moving Forward

- The city will sign an agreement with the township guaranteeing that animal parts and food waste by products will never be used at the site.

Authorization

SPECIAL CONDITIONS GENERAL PERMIT WMGM030

I. AUTHORIZATION

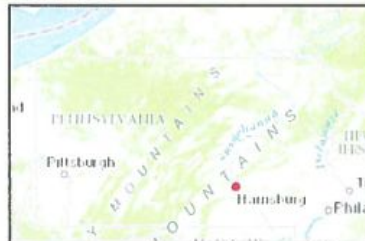
The approval herein granted is limited to the composting of yard waste and beneficial use of the compost so produced at compost sites. The waste streams accepted for composting shall be non-liquid waste¹ and limited to the following categories of municipal waste: yard waste, leaf waste, grass clippings, garden residue, tree trimmings, chipped shrubbery and other vegetative material.

6. The activities authorized by this permit shall not harm or present a threat of harm to the health, safety, or welfare of the people or environment of this Commonwealth. The Department may modify, suspend, revoke or reissue the authorization granted in this permit if it deems necessary to prevent harm or the threat of harm to the public health, the environment, or if the activities cannot be adequately regulated under the conditions of this permit

Harrisburg yard waste site



- Project Boundary
- Buffered Project Boundary



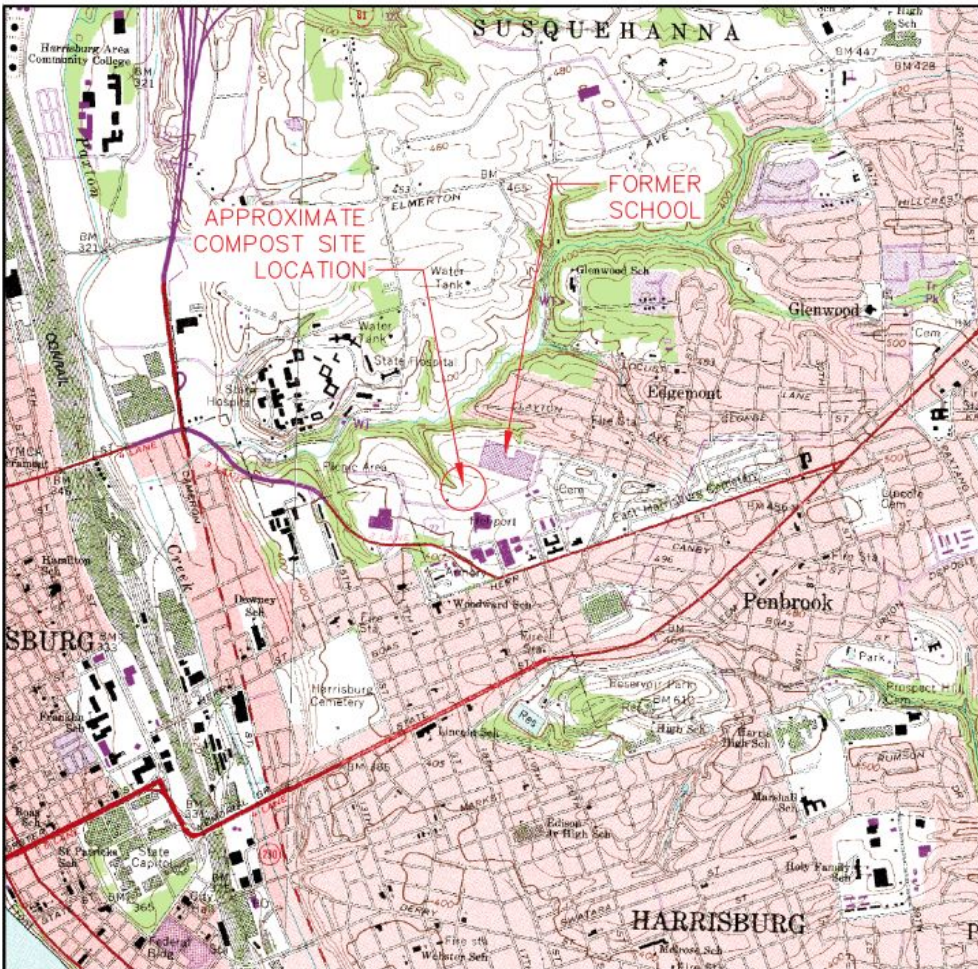
Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
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PNDI

- Compost site near 17th Street and north of Arsenal Blvd.

USGS Map

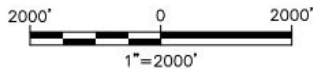
- Compost site near 17th Street and north of Arsenal Blvd.



SOURCE: HARRISBURG WEST, PENNSYLVANIA U.S.G.S. QUADRANGLE MAP; PHOTOREVISED 1987
HARRISBURG EAST, PENNSYLVANIA U.S.G.S. QUADRANGLE MAP; PHOTOREVISED 1987



QUADRANGLE LOCATION



STANLEY ROAD
HARRISBURG ORGANICS COMPOST

Exhibit
USGS

VICINITY MAP
1850 STANLEY ROAD

Project Number
1683.001.002

Date
DECEMBER, 2017

Scale
AS SHOWN

CITY OF HARRISBURG

DAUPHIN COUNTY, PENNSYLVANIA

WALL-E, the great recycler



WALL-E tried to grow a plant with limited resources. Compost helps provide plant resources

In Conclusion

Questions?