



**UNION COUNTY BOARD OF CHOSEN FREEHOLDERS**

**ORDINANCE NUMBER:** 739-2012  
**DATE OF INTRODUCTION:** 7/19/2012  
**DATE OF ADOPTION:** 8/16/12

7/19/2012

**AN ORDINANCE TO AMEND THE UNION COUNTY DISTRICT SOLID WASTE MANAGEMENT PLAN PERTAINING TO THE APPLICATION OF WASTE MANAGEMENT OF NEW JERSEY, INC. FOR THE INCLUSION OF A CLASS C RECYCLING CENTER FACILITY LOCATED AT 847 FLORA STREET, IN ELIZABETH, NEW JERSEY.**

**WHEREAS**, pursuant to the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., the County of Union is designated as a Solid Waste Management District and by law did develop and prepare a District Solid Waste Management Plan ("County Plan") that was adopted by the Union County Board of Chosen Freeholders on June 7, 1979, pursuant to and in accordance with the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq.; and

**WHEREAS**, the County Plan was approved, with modifications, by the Department of Environmental Protection ("NJDEP") on August 13, 1980, and has since been amended and modified from time to time; and

Continued...

NO SUFFICIENCY OF FUNDS REQUIRED  
*Frank W. Paderni*  
 7-19-12

INTRODUCTION				RECORD OF VOTE				FINAL ADOPTION							
FREEHOLDER	Aye	Nay	Abs	Pass	Ord.	Sec	NP	FREEHOLDER	Aye	Nay	Abs	Pass	Ord.	Sec	NP
ESTRADA	X							ESTRADA	X						
HUDAK	X				X			HUDAK	X						
JALLOH	X					X		JALLOH	X						
KOWALSKI							X	KOWALSKI	X						
SCANLON							X	SCANLON							X
SULLIVAN			X					SULLIVAN			X				
WRIGHT	X							WRIGHT	X						
CARTER VICE CHAIRMAN	X							CARTER VICE CHAIRMAN	X						
MIRABELLA CHAIRMAN							X	MIRABELLA CHAIRMAN	X						

APPROVED AS TO FORM  
  
 COUNTY ATTORNEY

I hereby certify the above is an original ordinance adopted by the Board of Chosen Freeholders of the County of Union on the aforementioned date.  
  
 CLERK

I hereby certify this is a true copy of an ordinance adopted by the Board of Chosen Freeholders of the County of Union on the aforementioned date.  
 \_\_\_\_\_  
 CLERK

**WHEREAS**, on December 11, 1986, the Union County Board of Chosen Freeholders designated the Union County Utilities Authority ("UCUA") as the agency responsible for the implementation of the County Plan, as amended from time to time, and the UCUA is empowered to plan, acquire, construct, maintain and operate facilities for the processing, disposal and/or recycling of solid waste generated in the County; and

**WHEREAS**, the UCUA has formulated a Plan Amendment, and recommends that this Board set a public hearing for the purpose of taking public testimony on the proposed plan amendment, and review and enact said amendment that is now on file with the Clerk of this Board and available for public inspection and is made a part hereof by reference; and

**WHEREAS**, the subject amendment is summarized as follows:

This Plan Amendment is prepared as a result of a determination by the UCUA:

1) FOR THE INCLUSION OF A CLASS C RECYCLING CENTER FACILITY LOCATED AT 847 FLORA STREET, ELIZABETH, NEW JERSEY, TO ACCEPT, PROCESS AND TRANSPORT CLASS C RECYCLABLE MATERIAL IN THE FORM OF SOURCE SEPARATED FOOD WASTE, VEGETATIVE FOOD WASTE, AND YARD TRIMMINGS RECOVERED FROM FACILITIES IN AND SURROUNDING THE COUNTY.

**WHEREAS**, pursuant to the Solid Waste Management Act, the County's Solid Waste Advisory Committee ("SWAC") must be consulted with respect to amendment to the County Plan; and

**WHEREAS**, by Resolution No. 61-2012, duly adopted July 18, 2012, the UCUA approved the Plan Amendment and recommended that the Plan Amendment be approved by the Board of Chosen Freeholders of the County, after public hearing in accordance with the Solid Waste Management Act; and

**WHEREAS**, pursuant to and in accordance with the provisions of the Solid Waste Management Act, the Plan Amendment was presented to SWAC:

**NOW, THEREFORE, BE IT ORDAINED**, by the Board of Chosen Freeholders of the County of Union, that:

1. The aforesaid recitals are incorporated herein as though fully set forth at length.
2. The Plan Amendment, as prepared and recommended by the Union County Utilities Authority, is hereby adopted as an Amendment to the Union County District Solid Waste Management Plan.
3. Any provision of the County Plan that is inconsistent with the Plan Amendment is hereby repealed to the extent of said inconsistency and the provisions of the Plan Amendment shall be fully effective and shall control.
4. A certified copy of this Ordinance, as finally adopted, together with the Plan Amendment, shall be forwarded to the New Jersey Department of Environmental Protection, the County Clerk of the County of Union, and the Union County Utilities Authority.
5. The Clerk of this Board shall publish and disseminate notice of this Ordinance as provided by law.
6. The aforesaid Plan Amendment and a copy of the transcript of the public hearing to be held at such time as may be scheduled by said Board of Chosen Freeholders, and the necessary deliberations shall be submitted to the Commissioner of the New Jersey Department of Environmental Protection.
7. This Ordinance shall take effect in the manner prescribed by law.



# UNION COUNTY UTILITIES AUTHORITY

1499 Routes 1 & 9, North, Rahway, New Jersey 07065

(732) 382-9400

FAX (732) 382-5862

RESOLUTION NO.: 61-2012

DATED: July 18, 2012

**RESOLUTION OF THE UNION COUNTY UTILITIES AUTHORITY  
RECOMMENDING AN AMENDMENT TO THE UNION COUNTY  
DISTRICT SOLID WASTE MANAGEMENT PLAN PERTAINING TO  
THE APPLICATION OF WASTE MANAGEMENT OF NEW JERSEY,  
INC. FOR THE INCLUSION OF A CLASS C RECYCLING CENTER  
FACILITY IN ELIZABETH, NEW JERSEY**

APPROVED AS TO FORM:

Joseph C. Bodek  
Clerk of the Authority

By: *Joseph C. Bodek*

APPROVED AS TO SUFFICIENCY OF FUNDS

YES  NO  NONE REQUIRED  
UNION COUNTY UTILITIES AUTHORITY

By: *Sharon M. Johnson*

	PRESENT	ABSENT	AYE	NAY	ABSTAIN	MOTION	SECOND
<i>Badri</i>	X		X				
<i>Eastman</i>	X		X				
<i>Erdos</i>	X		X				
<i>Huff</i>	X		X				X
<i>Kennedy, Secretary</i>	X		X				
<i>Kulish</i>	X		X			X	
<i>People, Treasurer</i>	X		X				
<i>Kahn, Vice Chairman</i>		X					
<i>Jackus, Chairman</i>		X					
<i>Bonanno, Alternate No. 1</i>		X					
<i>Lombardo, Alternate No.2</i>	X		X				

RESOLUTION NO.: 61-2012DATED: July 18, 2012

**RESOLUTION OF THE UNION COUNTY UTILITIES AUTHORITY  
RECOMMENDING AN AMENDMENT TO THE UNION COUNTY  
DISTRICT SOLID WASTE MANAGEMENT PLAN PERTAINING TO  
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INC. FOR THE INCLUSION OF A CLASS C RECYCLING CENTER  
FACILITY IN ELIZABETH, NEW JERSEY**

**WHEREAS**, pursuant to the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. (the "SWMA"), each county within the State of New Jersey is designated a solid waste management district with responsibility for the development of a solid waste management plan setting forth the solid waste disposal strategy to be applied in the district; and

**WHEREAS**, the Union County District Solid Waste Management Plan (the "County Plan"), developed in accordance with the SWMA, was initially adopted by the Union County Board of Chosen Freeholders ("Freeholders") on June 7, 1979 and certified by the New Jersey Department of Environmental Protection ("NJDEP") on August 13, 1980, and has since been amended from time to time; and

**WHEREAS**, the Union County Utilities Authority (the "UCUA") is a public body corporate and politic of the State of New Jersey, created by the Freeholders, in accordance with the provisions of the Municipal and County Utilities Authorities Law, N.J.S.A. 40:14B-1 et seq., by an Ordinance adopted on June 5, 1986, as amended on December 11, 1986, and exercises essential governmental functions for the public health, benefit and welfare of the citizens of the County of Union ("County"); and

**WHEREAS**, the Freeholders have designated the UCUA as the implementing agency for the County Plan charged with implementing and recommending updates and amendments to the aforesaid County Plan from time to time and selected to plan, acquire, construct, maintain and operate facilities for the processing and disposal of County solid waste and/or the recovery of recyclable materials; and

**WHEREAS**, Waste Management of New Jersey, Inc. ("WMI") filed an application with the UCUA on June 22, 2012, requesting an amendment of the County Plan for the inclusion of a solid waste transfer station/materials recovery facility located at 847 Flora Street, Elizabeth, New Jersey, ("Facility") to accept, process and transport Class C recyclable material in the form of source separated food waste, vegetative food waste, and yard trimmings recovered from facilities in and surrounding the County; and

**WHEREAS**, WMI proposes to accept at the Facility up to 500 tons per day of Class C recyclable material, consisting primarily of organic food waste, as well as up to 60,000 gallons of liquid food and beverage waste as part of its Organic Recycling Program; and

**WHEREAS**, the solid waste regulations of NJDEP (N.J.A.C. 7:26-1.1 et seq.) provide certain actions to amend a county solid waste management plan must be taken by a formal plan amendment process, including notice and a public hearing by the governing body of the county; and

**WHEREAS**, the UCUA has received a report from its Engineer, CME, describing the Facility, setting forth all engineering issues, and recommending that the Facility be included as Class C recycling facility in the County Plan; and

**WHEREAS**, the UCUA has determined that the designation of the Facility to accept, process and transport Class C recyclable material in the form of source separated food waste, vegetative food waste, liquid food and beverage waste, and yard trimmings warrants a formal plan amendment process as set forth in N.J.A.C. 7:26-6.10; and

**WHEREAS**, after careful analysis and evaluation of the application, as supplemented, and the review of CME, the UCUA has prepared a proposed Plan Amendment (attached hereto as Appendix A) recommending inclusion of the Facility into the County Plan subject to the terms and conditions of this Resolution, and intends to forward same to the Union County Board of Chosen Freeholders for consideration in accordance with the Act; and

**WHEREAS**, the UCUA wishes to recommend the Freeholders the inclusion in the County Plan of the Facility, incorporating the terms and conditions of this Resolution and the attached Plan Amendment;

**WHEREAS**, the approval of WMI's application to amend the County Plan to reflect the designation of the Facility to accept, process and transport Class C recyclable material in the form of source separated food waste, vegetative food waste, liquid food and beverage waste, and yard trimmings is consistent with the Statewide Solid Waste Management Plan and the State's recycling goals, and is in the best interests of the County and its citizens;

**NOW, THEREFORE, BE IT RESOLVED**, by the Union County Utilities Authority as follows:

**Section 1.** The aforesaid recitals are hereby incorporated by reference, as if set forth at length herein.

**Section 2.** The UCUA hereby formally recommends to the Freeholders that the County Plan be amended as set forth substantially in the form of the proposed Plan Amendment, attached hereto as Appendix A and made a part hereof, to reflect the designation of the Facility to accept, process and transport Class C recyclable material in the form of source separated food waste, vegetative food waste, liquid food and beverage waste, and yard trimmings as described in WMI's application, dated June 22, 2012, upon the requisite notice and public hearing being conducted in accordance with the Act, and the rules and regulations adopted by the New Jersey Department of Environmental Protection.

**Section 3.** The Executive Director of the UCUA and Special Counsel are hereby authorized and directed to submit a certified copy of this Resolution, the attached Plan

Amendment, and the application of WMI, to the Freeholders for formal consideration and action by way of an amendment to the County Plan, as well to forward such documents to the Union County Solid Waste Advisory Council.

**Section 4.** A copy of this Resolution, together with a copy of WMI's application to amend the County Plan, shall be forwarded to the Clerk of the County for public inspection, and this Resolution shall also available for public inspection at the offices of the Authority at 1499 Routes 1 & 9 North, Rahway, New Jersey.

**Section 5.** This Resolution shall take effect immediately.



The seal of the Union County Utilities Authority is a circular emblem. It features a central figure of a person, possibly a worker or a representative, standing with arms outstretched. The figure is surrounded by a circular border containing text, which is partially obscured by the central figure and the main title text. The entire seal is rendered in a dotted or stippled style.

**AMENDMENT TO THE UNION COUNTY  
DISTRICT SOLID WASTE MANAGEMENT PLAN**

Recommended by the  
Union County Utilities Authority  
July 2012

**AMENDMENT TO THE UNION COUNTY DISTRICT SOLID WASTE MANAGEMENT PLAN TO INCLUDE THE WASTE MANAGEMENT OF NEW JERSEY, INC. FACILITY LOCATED AT 847 FLORA STREET IN ELIZABETH, NEW JERSEY AS A CLASS C RECYCLING FACILITY**

**I. INTRODUCTION**

The Solid Waste Management Act, N.J.S.A 13:1E-1 et seq. (the "Act"), in pertinent part, constitutes each of the State's twenty-one (21) counties and the Hackensack Meadowlands Development Commission as a solid waste management district. The Act further provides that each solid waste management district, including the County of Union ("County") develop a solid waste management plan setting forth the solid waste disposal strategy to be applied in the district. The Union County District Solid Waste Management Plan (the "County Plan") was adopted by the Union County Board of Chosen Freeholders ("Freeholders") on April 11, 1979 and approved, with modifications, by the New Jersey Department of Environmental Protection ("NJDEP") on August 13, 1980, and has since been amended and modified from time to time. The Union County Board of Chosen Freeholders has designated the Union County Utilities Authority ("UCUA") as the agency responsible for the implementation of the County Plan in accordance with the Act.

The purpose of this Plan Amendment is to modify the County Plan to include a Class C recycling facility ("Facility") owned and operated by Waste Management of New Jersey, Inc. ("WMI"). The Facility is proposed, and is hereby being included in the County Plan, to accept, process and transport Class C recyclable material in the form of source separated food waste, vegetative food waste, liquid food and beverage waste, and yard trimmings recovered from facilities in and surrounding the County to be processed at its location on 847 Flora Street, Elizabeth, New Jersey, for shipping off-site outside of the County.

**II. INCLUSION OF WMI FLORA STREET FACILITY, LOCATED IN THE CITY OF ELIZABETH, NEW JERSEY, INTO THE UNION COUNTY DISTRICT SOLID WASTE MANAGEMENT PLAN AS A CLASS C RECYCLING CENTER**

Appendix 'A' contains copies of the application by WMI for inclusion of a Class C Recycling Center in the Union County District Solid Waste Management Plan, which is attached hereto and incorporated herein.

Appendix 'B' contains a Resolution of the UCUA, duly adopted on July 18, 2012, which is attached hereto and incorporated herein, recommending that the Facility owned and operated by WMI be included in the County Plan as a Class C recycling facility.



The County Plan is hereby amended to include the following recycling facility:

<u>Facility</u>	<u>Lot and Block</u>
Waste Management of New Jersey, Inc. 847 Flora Street Elizabeth, New Jersey Class C Recycling Center	Lots 740, 741 and 747, Block 8

### III. SCOPE OF PLAN AMENDMENT

This Plan Amendment incorporates by reference, as if set forth herein at length, the Union County District Solid Waste Management Plan, as certified by the NJDEP on August 13, 1980, and all subsequent Plan Amendments so certified, to the extent that they are not inconsistent with this Plan Amendment. A copy of the Union County District Solid Waste Management Plan, along with all subsequent Amendments and NJDEP Plan Certifications, is available for review at the offices of the Union County Utilities Authority, 1499 Routes 1&9 North, 3rd Floor, Rahway, New Jersey, during normal business hours, for public review and inspection. Copies of the County Plan, Plan Amendments and NJDEP Plan Certifications are available in accordance with the UCUA's policy with respect to photocopying and at the offices of the Clerk of the Union County Board of Chosen Freeholders.

If any clause, provision, subsection, section or article of this Plan Amendment shall be ruled invalid by any court of competent jurisdiction, or administrative agency, the invalidity of such clause, provision, subsection, section or article, shall not affect any of the remaining provisions, unless such ruling adversely impacts the purpose and effect of the remaining portions of this Plan Amendment.

### IV. EFFECTIVE DATE

This Plan Amendment shall become effective upon adoption by the Board of Chosen Freeholders of the County of Union, and certification by the Commissioner of the New Jersey Department of Environmental Protection.

UNION COUNTY DISTRICT  
SOLID WASTE MANAGEMENT PLAN  
AMENDMENT APPLICATION

UNION COUNTY UTILITIES AUTHORITY  
APPLICATION FOR INCLUSION OF A SOLID WASTE FACILITY  
OR RECYCLING CENTER IN THE  
UNION COUNTY SOLID WASTE MANAGEMENT PLAN

This application shall be submitted by any person who desires to have the site of a Solid Waste Facility or a Recycling Center included within the Union County Solid Waste Management Plan as required by NJAC 7:26. et. seq.

I. TYPE OF APPLICATION

Please indicate by checking the appropriate space below as to the type of facility that the Applicant is requesting to be included in the Plan and whether the facility is new or a Major Modification to an existing facility.

- Class A Recycling Centers
- Class B Recycling Centers
- Class C Recycling Centers (Intermediate process/transfer of Class C Material)
- Class D Recycling Centers
- Materials Recovery Facility
- Regulated Medical Waste Destruction Facility
- Regulated Medical Waste Treatment Facility
  
- New Facility
- Major Modification to an Existing Facility
  
- Other: Please specify

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

II. GENERAL INFORMATION

A. 1. Name of Facility

Identify the name of the Facility or Recycling Center which is the subject of this application as well as the street address and municipal block and lot numbers.

Waste Management of NJ, Inc.  
Flora Street Class C Recycling Center Intermediate Processing/Transfer  
847 Flora Street, Elizabeth, NJ

Block # 8 Lot # 740, 741 and 747

Inbound Class C recycling vehicles will access the site through the neighboring Julia St. TS/MRF. Inbound and outbond tanker trucks will utilize the Julia St. scale prior to and after transfer of materials within the Bio-Slurry Storage & Loadout Area is completed.

Waste Management of NJ, Inc.  
Julia Street Solid Waste Transfer Station / Material Recovery Facility  
864 Julia Street, Elizabeth, NJ

Block # 8 Lot # 1042, 818, 819, 820, 822, 1060B, 1060C

2. Site Information

Please attach the following documents to this application:

- a. Three (3) copies of a conceptual site plan which identifies (plots) the placement of all equipment, buildings, activities and areas related to the receipt, storage, processing and transfer of all materials. The conceptual site plan shall also indicate the routing of vehicles between the facility and all nearby roadways serving the site. The conceptual site plan shall be drawn at a scale no smaller than 1" = 50' and sealed by a licensed Professional Engineer.

Plans for the proposed facility can be found behind Tab #5

- C-1 Existing Site Plan
- C-2 Traffic Flow Plan
- M-1 Organic Waste Recycling Area
- M-2 Organic Waste Recycling Area

- b. A key map showing the boundary of the facility plotted on a 7 1/2 minute USGS Quadrangle Map.

Figure 1: USGS/Key Location Map, located behind Tab#2

- c. A municipal tax map showing the block and lot numbers of the site and adjoining properties, indicating the current land-use and zoning.

Figure 2: Zoning Map, located behind Tab#2

Figure 3: Tax and Land Use Map, located behind Tab#2

- d. A copy of the deed of record indicating that the applicant is the owner of the site. If the applicant is not the owner of the site, a copy of the lease for the site with its owner, and written documentation demonstrating that the owner is aware of the operations proposed for the site.

Copies of deeds demonstrating property ownership are attached behind Tab #3

B. Owner/Operator Data

1. Identify the name, address and telephone number of the person(s) that own or seek to own the facility that is the subject of this application.

Waste Management of NJ, Inc.  
107 Silivia Street  
Ewing, NJ 08628  
609-434-5622

2. State whether the person(s) that own or seek to own the facility that is the subject of this application are a corporation, partnership, sole proprietorship or a governmental entity:

Type of Ownership: Corporation

3. If the owner of the facility is a corporation, list all person(s) owning 10% or more of such entity. If the owner is a partnership, list all general and limited partners. If the corporation or partnership is itself owned by another corporation or partnership, continue to disclose the ownership structure until the name and address of every known corporate stockholder and individual partner exceeding the 10% ownership criteria have been listed (attach separate sheets if necessary)

Waste Management of NJ, Inc. is wholly owned by Waste Management Holding, Inc. 1001 Fannin Street, Houston, Texas 77002. Waste Management Holding, Inc. is a publicly traded company with no single stockholder owning 10% or more.

4. a. If the facility will be operated by someone other than the owner identified in B 1 above, identify the name, address and telephone number of the person(s) that operate or seek to operate the proposed facility.

N/A

- b. State whether the person(s) operating or seeking to operate the facility are a corporation, partnership, sole proprietorship or a governmental entity.

Type of ownership: Corporation

- c. If the operator of the facility is a corporation, list all person(s) owning 10% or more of such entity in accordance with the instructions in item B 3 above.

See response to item B 3 above

5. a. Provide the name, address, telephone number, and if applicable, DEP Registration Number of any facility(ies) currently owned or operated by or being planned by the owner or operator of the facility which is the subject of this application.

WM of NJ owns and operate a number of TS/MRFs throughout the State of New Jersey. Below is a list of facilities in NJ.

FACILITY NAME	NJEMS PI	WASTE TYPE	PHONE	LOCATION	CITY	County
WMNJ (Fairview)	131871	10,13,13C,23,27	(201) 945-7070	61 Broad Avenue	Fairview	Bergen
WMNJ-Hillsdale Transfer Station	133464	10,13,13C,27	(201) 664-9010	77 Brookside Place	Hillsdale	Bergen
Waste Mgmt. NJ (Amboy Ave.)	133609	10,13,13C,23,25,27	(908) 829-8270	Amboy Ave. & Front St.	Elizabeth	Union
WMNJ -Julia St.	132698	10,13,13C,23,25,27	(908) 829-9270	864 Julia St	Elizabeth	Union
Buena Vista	131809	10,13,13C,27	(809) 567-2398	1184 Route 54	Buena Vista	Atlantic

- b. Please describe the nature of such facility(ies) and setforth the type, origin and daily permitted capacity of said facility(ies). If facility(ies) are planned; give anticipated data for the first year of operation.

The waste management facilities listed above transfer and recover materials generated from residential and commercial generators throughout the State of NJ and southern New York. All residual waste is disposed of in accordance with the solid waste management plan of the host county.

- c. For the operating year identified in paragraph 5 b above, identify for each such facility the type, weight and amount of residue (i.e., all solid waste leaving such facility(ies) which is not recycled) and the point of disposal of such residue:

2011 Waste Tonnages by facility and Waste Type

FACILITY NAME	Type 10	Type 13	Type 13c	Type 23	Type 27
WMNJ (Fairview)	140,607.24	0	2,723.65	12,394.16	0
WMNJ-Hillsdale Transfer Station	106,076.98	6,329.14	6,303.22	0	0
Waste Mgmt. NJ (Amboy Ave.)	539.73	11,818.1	97,802.3	419.40	485.57
WMNJ -Julia St.	11,184.3	1,201.39	0	15.62	44.51
Buena Vista *	16,178.63	616.44	508.47	0	0

Note: Buena Vista\* represents waste tonnages accepted between 10/15/11 - 12/31/11

6. Please identify the name, address, and telephone number of the owner of the site upon which the subject facility is or will be located.

The site is owned by Waste Management Holding Inc.  
1001 Fannin Street  
Houston, Texas 77002

C. Material Received at Existing or to be Received at Proposed Facilities

Please identify the type and average daily weight of materials received or to be received, stored, processed or transferred at the facility.

1. DEP Solid Waste Types	Amount (Tons Per Day)
Type 10	0
Type 13	0
Type 23	0
Type 25	0
Type 27	0
Other (Identify each type)	0
2. Class A Recyclable Materials	
Metal	0
Glass	0
Paper	0
Plastic Containers	0
Corrugated and Other Cardboard	0
3. Class B Recyclable Materials	
Concrete, asphalt, brick	0
Wood	0
Construction and Demolition Waste	0
Trees -- trunks, stumps, branches, Leaves, brush	0
Petroleum Contaminated Soil	0
Other (Identify each type)	0
4. Class C Recyclable Materials	
Source Separated Food Waste	up to 500 TPD total (combined)
Source Separated Vegetative Food Waste	up to 500 TPD total (combined)
Source Separated Yard Trimmings	up to 500 TPD total (combined)
Other (Identify each type)	60,000 Gallons of Liquid Food and or Beverage waste, FOG (fat, oils, grease), DAF float

Other (Identify each type) \_\_\_\_\_

The proposed Class C Recyclable Transfer Station would accept up to 500 tons per day (TPD) of solid Class C materials including source separated food waste and source separated vegetative food waste. In addition up to 60,000 gallons of liquid food and or beverage waste would be transferred on a given day.

5. Class D Recyclables Materials

Used Oil	0
Batteries	0
Pesticides	0
Thermostats	0
Latex Paint	0
Oil Based Paint from Households or SQG	0
Other (Identify each type)	0

6. Regulated Medical Waste Treatment and/or Destruction Facilities

Cultures and Stocks	0
Pathological Wastes	0
Human Blood and Blood Products	0
Sharps	0
Animal Wastes	0
Isolation Wastes	0
Unused Sharps	0
Other (Identify each type)	0

7. Please provide a description of the source or point of generation of all materials received or to be received, stored, processed or transferred at the facility. If the source is from multiple generators, please list the type of waste, the source community and a breakdown between municipal and commercial sources.

The Flora Street facility proposes to accept various types of Class C recyclable materials from municipalities and private businesses under contract with WMNI. The materials accepted at the proposed facility would primarily consist of organic food waste. The facility would also accept up to 60,000 gallons of liquid food and or beverage waste to be utilized in the processing of Class C recyclables.

The proposed facility is part of Waste Management Organic Recycling program and is vital to the Centralized-Organic Recycling Equipment (CORE) and Co-Digestion solution. The CORE process relies on the collection of organic recyclables, the processing of organic material into bio-slurry as proposed at the Flora Street Facility and the off-site injection of this product into processes for conversion into renewable fuels and energy. For example, an anaerobic digester could be utilized in order to create bio-methane that can



be converted to energy products such as electricity, vehicle fuel and pipeline gas.

It is estimated by Waste Management that up to 18% of all landfill waste is food while currently 3% of all food waste is diverted/recycled today. The diversion of organic waste to the proposed facility will help divert organic waste away from the collective waste stream and help maximize the life of local landfills.

D. Disposition of Materials Received, Stored, Processed or Transferred

- I. Residue (i.e. material not sent to recycling markets directly from the subject facility)
  - a. Please describe the nature and quantity (in tons per year) of residue which the proposed facility will generate.

It is estimated that processing of Class C recyclables will result in 15,000 tons of residue per year. The nature of this residue will consist of plastic, wrappers, cups, bottles, utensils and napkins, and other inorganic materials that would be separated from the bio-slurry by the CORE process.

- b. Identify the type and quantity of any such residue that will be sent to other facilities for further extraction of recyclables.

Any residue encountered will be collected and disposed of at the adjacent Julia Street Solid Waste Transfer Station/Material Recovery Facility.

- c. Provide the name, address, and telephone number of any facilities identified in D b. above.

Julia Street Facility (132698) 864 Julia Street Elizabeth NJ (908) 629-9270.

- d. For that portion of residue which is not to be processed for further recycling, please provide the following information:

- i. The percentage, by weight of residue verses the total weight of materials to be received, stored, processed or transferred.

10% of the 500 tons of food waste

- ii. Provide the name, address and telephone number of the facility at which the residue will be disposed. If there is more than one site at which the residue will be disposed, please list each site along with the type and quantity of residue to be disposed at that site.

- 15,000 Tons per Year: Atlantic Waste Disposal, 3474 Atlantic Lane, Waverly, VA 23890 - (804) 834-8300
- Alternate facility: Grows Landfill, 1513 Bordentown Road,

Morrisville, PA 19067 - 877-247-7817

E. Recycled Materials

Please list all proposed end markets for the recycled materials. Include name of Contact person and telephone number.

Food Waste

New Milford Farms  
60 Boardman Road  
New Milford, CT 06766  
Phone: 860-210-0250

The Peninsula Compost Company, LLC  
612 Christiana Avenue  
Wilmington, DE 19801  
Phone: 302-266-7678

F. Violation of Environmental Laws

- 1. Has the facility which is subject of this application, any owner or operator of the facility as set forth in item II.B.1, 3 or 4, or the owner of the proposed facility ever been determined or alleged by the DEP to be in violation of any environmental laws or regulations which violation has or continues to threaten or impair the environment or the public health, safety or welfare?

Yes \_\_\_\_\_

No  X

- 2. If the answer to the foregoing question is affirmative, please identify any such action by stating the nature of the violation, the type of enforcement action initiated by DEP, and sufficient other information such as the docket number, etc. as will allow the Authority to obtain such other information from the DEP as it deems necessary.

Not Applicable

G. Application Fee

- 1. Is the facility which is the subject of this application a public facility (i.e. one that is owned by a division of New Jersey Government such as State, County or Municipal Government, County or Municipal Utilities Authorities, etc.)?

\_\_\_\_\_ Yes  X  No

No application fee will be charged for Public Facilities.

- 2. For non-public facilities the amount of the application fee which shall be

enclosed is \$3,500.00

### III. TECHNICAL INFORMATION

The following information shall be considered by the Authority only with regard to suitability for inclusion in the Solid Waste Management Plan. It is not the Authority's intention to perform a detailed review of specific information submitted. The Authority will use this information only to verify that the applicant has performed sufficient planning to merit inclusion of the facility in the Union County Solid Waste Management Plan.

#### A. Facility Design

##### 1. Capacity

- a. State the proposed facility's maximum design capacity.

500 Tons Per Day of Class C Materials  
60,000 Gallons Per Day of Liquid Food and or Beverage Waste

- b. State the number of operating hours per day that the above capacity was based on.

24 Hours per day Monday-Saturday

- c. Indicate the days of the week and the hours of operation of the facility.

24 Hours per day Monday-Saturday

- d. List the source(s) and type (s) of materials to be processed at the proposed facility.

The Facility accepts the Class C material and liquid organic materials from municipalities and private businesses under contract with WMNJ, as well as private haulers of Class C materials.

##### 2. Operating Description

#### Class C Materials

All incoming Class C collection vehicles access the facility via Julia Street. If the Julia Street TS/MRF becomes full of incoming collection vehicles, trucks are diverted to 853-855 Julia Street or 883 Julia Street to prevent vehicles from queuing/staging on public roads. Once there is room at the Class C TS/MRF, the collection vehicles are directed by WMNJ traffic personnel to proceed right out of the lot and then left into the TS/MRF. These vehicles then proceed to the inbound scales. Once weighed, the collection vehicles proceed to the adjacent Class C Recycling facility through the entrance on the north side of the building. The collection vehicles will discharge their loads on the tipping floor or offload the tote(s) with an onsite forklift or equivalent equipment within the tipping area. All food waste will be removed from the floor by the end of each operating day.

Once discharged the collection vehicles utilize the northern exit to leave the station and proceed onto Julia Street where they enter the northern entrance of the Julia Street TS/MRF and proceed to the scale to weigh out and ultimately exit the facility onto Julia Street. Trailers carrying totes will exit to leave via the southern exit onto Flora Street then counterclockwise onto Division Street and onto Julia Street where they enter the northern entrance to the Julia St where they follow the same route as the collection vehicles.

Class C material is discharged by totes or collection vehicles onto the tipping floor. The organic and residual material is moved by articulated front-end loaders to one of three material feed hoppers. Once the material is fed into the hoppers several augers move the material into the CORE bio-separator where water and or liquid food waste is introduced to the process. Onsite water is stored in one of two 12,000 gallon tanks and liquid food waste is stored in one of three 12,000 gallon liquid receivables tanks. The liquid and particle sized reduced organic waste form a bio-slurry which is introduced into one of seven 20,000 gallon bio-slurry tanks.

The inbound tanker trucks will access Flora Street from Division Street then proceed into the Flora Street Class C Transfer Station. Once onsite, the tanker proceeds to the bio-slurry storage & load-out area. The tanker is then either filled with the bio-slurry or drained of the liquid food waste. Once the outbound tanker truck is filled or drained the truck exits the facility by turning left onto Flora Street. The bio-slurry is then transported to an off-site conversion process, for example, an anaerobic digester where bio-slurry is injected into waste water treatment plant primary/waste activated sludge feed system to create bio-methane. The bio-methane is converted to energy products such as electricity, vehicle fuel, and pipeline gas.

3. Describe all equipment to be utilized for the receipt, storage, processing or transfer of each material, including the name of the equipment manufacturer, model number and operating capacity. The manufacturer's, printed, equipment specifications will satisfy this requirement.

The following equipment is utilized at the facility.

Front End Loader - 2  
 Feed Hopper - 3  
 Bio-separator -5  
 Bag Shredder - 1  
 Fork Lift - 2  
 Jockey Truck - 1

4. Describe the methods and procedures that will be utilized to inspect incoming and outgoing materials to make sure that only materials which the facility is legally allowed to receive, store, process or transfer are in fact accepted at the facility and that all recyclables and residue are transported to legally permitted end users and points of disposal, as set forth in this application.

In conformance with the requirements set forth under N.J.A.C. 7:26-2.10, 2B.5 the following Inspection Plan has been prepared. The Inspection Plan provides a schedule for the inspection of all aspects of the facility operations necessary to ensure maximum facility availability and compliance with the facility solid waste permit.

A. Personnel

Inspection work is performed by designated operating personnel of the Flora Street Facility. All inspection work is performed under the direct supervision of the Facility Manager. General housekeeping at the site is the responsibility of all facility personnel.

B. Record Keeping

A current list of equipment and inspection tasks associated with each is maintained. The logging of any maintenance and inspections performed, including any required repairs or comments, is also maintained. If off-site contracted assistance is required for a repair, a detailed report is written explaining the need for the assistance and a description of all works performed. A record of all equipment inspection checklists is also maintained.

All routine inspections are performed in accordance with the recommendations, instructions, and safety procedures contained in each manufacturer's manual. Each major component of the Station operation is inspected daily and a log sheet compiled for each piece of equipment.

The Station log sheets are kept current, containing instrument readings and observations made by the operator. This data is periodically analyzed to determine the development of trends in operation of the equipment. This data analysis is utilized in the preventive maintenance program.

C. Inspection Schedule

The high cost of repairing or replacing poorly maintained equipment can be avoided through the implementation of a well scheduled and accurately recorded inspection and maintenance program.

1. Continual Inspection

A visual inspection of all inbound loads is performed prior to and during the tipping process. The floor personal are train to identify materials that are not permitted to be received by the facility's recycling center approval. Any loads of material found to be in violation of the recycling center approval will be rejected and returned to the generator of the waste. Unauthorized waste found mixed acceptable loads will be segregated from the waste stream on the tipping floor. The Unauthorized material will be considered a residual waste and will be disposed of in accordance with County and State regulations.

The inspection program of continuous observation and monitoring is utilized to ensure full and effective operation of the facility. Housekeeping, spill control and safety items are observed by all personnel on a continuous basis during operating hours. The following items are visually checked on a continuous basis:

- a) Vehicle cleanliness
- b) Condition and operability of spill control equipment
- c) Condition and operability of fire protection equipment
- d) No smoking area restrictions
- e) Site cleanliness
- f) Traffic control
- g) Paved and tipping floor area cleanliness
- h) Structural integrity of equipment
- i) Unauthorized vehicle or personnel presence
- j) Safety compliance

## 2. Daily Inspection

Operational features requiring daily inspection include fire protection equipment, security equipment, tipping floor condition, facility equipment, the air system, mechanical and electrical transfer equipment, doors, and spill prevention. Daily inspections are conducted by the Facility Manager or designated personnel.

## 3. Monthly Inspection

A detailed monthly inspection is conducted by the Facility Manager or designated personnel. The monthly inspection includes facility condition, maintenance, equipment, safety, and operational procedures.

## 4. Response to Unsatisfactory Conditions

Any unsatisfactory conditions are noted and identified by designated personnel performing inspections. If the condition is not immediately threatening, then the Operations Manager may be notified after inspection. If a threat to safety or to the environment is identified by the inspector, then he takes immediate corrective action, if possible; otherwise, reports the situation to the Facility Manager or to the transfer equipment operator. The facility will then temporarily suspend operations, if necessary, in order to take corrective action. In the unlikely event of a severe incident, outside agencies will be notified and off-site support will be requested.

5. Describe the methods that will be utilized to control odor and describe the methods and equipment that will be utilized to comply with applicable state and federal air pollution control laws.

Odors are controlled by the clearing and removal of waste from the tipping floor, feed hoppers, and bio-separator on a daily basis. Daily housekeeping also minimizes odors. The facility has an air pollution control system which will be permitted through the NJDEP's Bureau of New Source Review.

6. Describe the methods that will be utilized to control noise in accordance with the requirements of the New Jersey Noise Control regulations.

Noise is controlled via noise walls and the fact that all tipping occurs indoors allows for the structure of the building to reduce noises generated by the facility. The site is located in an industrialized area of Elizabeth, outdoor noises of idling trucks and liquid waste load-out are not anticipated to be graters than area residual noises.

7. Describe the methods and procedures that will be used to control litter on site.

Open top collection vehicles are not permitted to remove litter control tarps until reaching a specific location on-site. Similarly, transfer trailers are required to cover their vehicles with tarps prior to exiting the site from the facility. Any fugitive litter which does accumulate on-site and on the outside perimeter of the site is cleaned by station personnel either manually or by means of a mechanical sweeper on a regular basis.

The site will also be receiving inbound material in sealed tote containers. This will minimize litter off and on site. The totes will be opened within the tipping building controlling the potential for litter.

8. Describe equipment, methods and procedures that will be employed to prevent and fight fires at the facility.

The telephone numbers of local fire, police, ambulance and hospital facilities are posted in and around the facility at all times. If a "hot" load is brought in, the waste is unloaded in the designated hot load area on site.

#### B. Evidence of Approvals

1. Please provide proof that the facility has obtained all necessary municipal site, construction code and soil erosion and sediment control approvals.

The proposed facility is an existing Transfer Station building. There is no proposed exterior construction associated with this application, therefore no construction code or soil control approvals are required.

2. Please provide a letter from the Mayor or Council of the host municipality indicating their support of the proposed facility.

A copy letter from the City Planner for the City of Elizabeth in support of the application is provided behind Tab#4.



C. Evidence of Markets for Recyclables

1. Please provide proof that the proposed facility has obtained markets for its recyclables. (i.e. letters of intent or contract)

The end market list is located under Item E of this application for the Flora Street Facility.

IV. SIGNATURE

I certify that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete.

By: \_\_\_\_\_  
(Name of Applicant)

Signature:  \_\_\_\_\_  
(Signature of Applicants Authorized Representative)

Name: Tara Hemmer \_\_\_\_\_  
(Print or Type Name of Authorized Representative)

Title: Area VP \_\_\_\_\_

Date: June 23, 2012 \_\_\_\_\_

**Harbor Consultants Inc.**  
**Engineers, Planners & Surveyors**  
320 North Avenue East  
Cranford, New Jersey 07016  
Tel (908) 276-2715  
Fax (908) 709-1738

May 18, 2012

Mr. James Van Woert  
Sr. District Manager, Transfer Stations  
Waste Management  
123 Variok Avenue  
Brooklyn, NY 11237

Re: 847 Flora Street  
City of Elizabeth, NJ

Dear Mr. Van Woert:

We are in receipt of your letter dated April 27, 2012, addressed to this office, regarding the above referenced facility. As the Municipal Planner for the City of Elizabeth, I have reviewed your proposal to install a new system to process organic food waste for beneficial reuse. It is my understanding that the proposed activity will take place within the existing facility and no expansion of the existing building is proposed.

I believe that the proposed activity is environmentally responsible and the office of the City Planner is in support of the project. Based on the information provided, it is the opinion of this office that the proposed activity is within the scope of the current operations and that no variances or site plan approvals are required by the City and you may proceed in obtaining the necessary NJDEP and construction permits.

If you should have any questions please give us a call.

Very truly yours,

Harbor Consultants, Inc.



Victor E. Vinegra, Municipal Planner  
Professional Engineer, Planner & Surveyor