

Division of Solid and Hazardous Waste
P.O. Box 414 401 East State Street
Trenton, New Jersey 08625-0414
Telephone: (609) 984-6880 Telecopier: (609) 984-6874
<http://www.state.nj.us/dep/dshw>

RECYCLING CENTER GENERAL APPROVAL

Under the provisions of N.J.S.A. 13:1E-1 *et seq.* and N.J.S.A. 13:1E-99.11 *et seq.* known as the Solid Waste Management Act and the New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 *et seq.* known as the Recycling Rules, this General Approval is hereby issued to:

NEW JERSEY MEADOWLANDS COMMISSION

FACILITY TYPE:	Recycling Center	
LOT NO.:	10 (portion of)	1 (portion of for all blocks)
BLOCK NO.:	149	177, 178, 181-183
MUNICIPALITY:	Kearny Town	North Arlington Borough
COUNTY:	Bergen	
FACILITY REGISTRATION NO.:	0907001150	

This general approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This General Approval shall not prejudice any claim the State may have to riparian land, nor does it allow the holder to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) Zone or subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits or approvals from the Department of Environmental Protection.

June 19, 2002

Issuance Date

February 26, 2003

Modified Date

August 14, 2005

Expiration Date

Thomas Sherman

Assistant Director

Office of Permitting & Technical Programs

Table of Contents

<u>Item</u>	<u>Page</u>
Scope of Approval	3
Regulated Activities at the Recycling Center	3
Recycling Center Description	3
Section I - General Conditions Applicable to All Recycling Centers	5
1. Duty to Comply.....	5
2. Duty to Post a Sign	5
3. Duty to Reapply	5
4. Approval Modifications	6
5. Approval Revocation	7
6. Transfers	7
7. Operating Record and Reporting Requirements	8
8. Conformance to District Solid Waste Management Plan	10
9. Uniform Construction Code.....	10
10. Right of Entry	10
Section II - General Operating Requirements.....	12
1. General Operating Requirements for All Recycling Centers	12
2. General Operating Requirements for Recycling Centers Composting Yard Trimming.....	13
Section III – Specific Conditions Applicable to the Recycling Center	17
1. Approved Recyclable Materials.....	17
2. Contaminants	17
3. Approved Designs, Plans and Reports.....	17
4. Approved Operations	18
5. Acquisition of Auxiliary Approvals	24

Scope of Approval

This approval, along with the referenced application documents herein specified, shall constitute the sole Recycling Center General Approval for the operation of a recycling center by the New Jersey Meadowlands Commission (holder) located in the Kearney Town, and the Borough of North Arlington, Bergen County, New Jersey. Any registration, approval or permit previously issued by the Division of Solid and Hazardous Waste or its predecessor agencies is hereby superseded.

This general approval does not convey any property rights of any sort, or exclusive privilege. Failure to comply with all the conditions specified herein may result in revocation of this approval and/or may result in such other regulatory or legal actions that the Department is authorized by law to institute, including but not limited to, civil and administrative penalty assessments.

This Recycling Center General Approval is a modification to the Approval issued to the facility on June 19, 2002.

February 26, 2003: The Recycling Center General Approval is modified with a new Section II for consistency with rule changes operative on December 17, 2002.

Regulated Activities at the Recycling Center

Section I of this approval contains the general conditions applicable to all recycling centers. Section II of this approval contains general operating requirements for all recycling centers for receipt, storage, processing or transfer of Class C recyclable materials. Section III of this approval contains specific conditions applicable to the operations of the recycling center.

Recycling Center Description

The recycling center is owned by the New Jersey Meadowlands Commission. The New Jersey Meadowlands Commission has contracted with the Nature's Choice Corporation to operate this recycling center for use as a regional site. The recycling center is located on a portion of the Hackensack Meadowlands Development Commission 1-E Sanitary Landfill in Kearny Town, Bergen County; and in the Borough of North Arlington, Bergen County. Access to the recycling center is by Baler Boulevard located off of Belleville Turnpike. This regional recycling center receives leaves and grass clippings from municipalities, haulers, landscapers and commercial generators located within the northern region of New Jersey. The recycling center is authorized to accept and process recyclable materials Monday through Friday from 6:00 AM to 4:30 PM and Saturday from 6:00 AM to 3:30 PM.

Class C recyclable material (source separated leaves and grass clippings) delivered to the site is composted until it has reached a stable form. The compost product is subject to two screening cycles to remove non-compostable material. The compost generated by the process is marketed

directly to soil bagging plants, landscapers, golf courses, cemeteries, garden centers, nurseries, etc. for commercial or residential use. Bulk compost is also stored and marketed at the recycling center. The recycling center site is also utilized for equipment storage.

Section I - General Conditions Applicable to All Recycling Centers

1. Duty to Comply

Pursuant to N.J.A.C. 7:26A-3.1(a), all persons issued a general approval to operate a recycling center for Class B, Class C and/or Class D recyclable material pursuant to N.J.A.C. 7:26A-1 *et seq.* shall comply with all conditions of the approval.

2. Duty to Post a Sign

Pursuant to N.J.A.C. 7:26A-3.5(f), the holder of this general approval shall prominently post and maintain a legible sign, at or near the entrance to the recycling center, indicating that the recycling center is an approved New Jersey Department of Environmental Protection recycling center. The sign shall also indicate the following:

Hours of operation of the recycling center;
Listing of the source separated materials to be received;
The size, weight, or other restrictions regarding materials to be received;
The maximum amount of contaminants allowed in each load;
Warning that loads will be inspected and will be barred from offloading if the contaminant level is exceeded; and
Notice that the person offloading shall certify the amount of material per load, municipality of origin of the material and any other information contained on the Recyclable Material Receipt Form.

3. Duty to Reapply

(a) Pursuant to N.J.A.C. 7:26A-3.6(a), application for renewal of this general approval shall be submitted at least three months prior to expiration of the current approval and shall comply with all requirements for renewal set forth in N.J.A.C. 7:26A-3.6 *et seq.* One copy of the application for renewal of the general approval shall be submitted by the applicant to the municipal clerk of the municipality in which the recycling center is located, and to the solid waste or recycling coordinator of the county in which the recycling center is located.

(b) Pursuant to N.J.A.C. 7:26A-3.6(b), the applicant for renewal of this general approval shall certify in writing to the Department that there have been no changes in the operations of the recycling center since the issuance of the general approval in order to renew the approval in its existing form. In the event that there have been changes in the operations of the recycling center or where changes are planned, the application for renewal of a general approval shall be accompanied by a written request to modify the general approval in accordance with N.J.A.C. 7:26A-3.10.

- (c) Pursuant to N.J.A.C. 7:26A-3.6(c), in a case where the holder of this general approval does not comply with conditions 3(a) and (b) of this section and continues to operate without renewal of the general approval, the Department may take actions which include, but are not limited to, the following:
 - (1) Appropriate enforcement action including the assessment of penalties under N.J.S.A. 13:1E-9; and
 - (2) Require the holder of this general approval to file an application as a new applicant for a general approval in accordance with N.J.A.C. 7:26A-3.2 and pay the application fee as per N.J.A.C. 7:26A-2.
- (d) Pursuant to N.J.A.C. 7:26A-3.6(h), all persons granted a renewal pursuant to N.J.A.C. 7:26A-3.6(d) shall continue to pay the annual fee as specified in N.J.A.C. 7:26A-2.

4. Approval Modifications

- (a) Pursuant to N.J.A.C. 7:26A-3.10(a), the holder of this general approval shall obtain prior approval from the Department for any modification of the general approval.
- (b) Pursuant to N.J.A.C. 7:26A-3.10(b), modifications to the general approval to operate a recycling center which require the prior approval of the Department include the following:
 - (1) Any change affecting the conditions of this general approval; and
 - (2) Any change to the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18 or 3.19, except that changes in end-market information submitted pursuant to N.J.A.C. 7:26A-3.2(a) 7 shall not require the prior approval of the Department but shall be handled in accordance with condition 4(e) of this section.
- (c) Pursuant to N.J.A.C. 7:26A-3.10(c), the holder of this general approval shall notify the Department in writing of the intended modification and shall update the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18 or 3.19. The holder of this general approval shall also provide written notice to the solid waste or recycling coordinator of the applicable county of any request to modify a general approval.
- (d) Pursuant to N.J.A.C. 7:26A-3.10(e), the holder of this general approval shall not institute the modification until it receives written approval from the Department.
- (e) Pursuant to N.J.A.C. 7:26A-3.10(f), within one week of any change to the end-market information submitted to the Department pursuant to N.J.A.C. 7:26A-3.2(a)7, the holder of this general approval shall submit to the Department a written notification which details any change in the use of the recyclable material transferred from the recycling

center to an end-market or in the end-market location to which the recyclable material is transferred. The written notification shall be sent to:

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
Office of Permitting and Technical Programs
P.O. Box 414
Trenton, New Jersey 08625-0414

5. Approval Revocation

Pursuant to N.J.A.C. 7:26A-3.13(a), the Department may revoke this general approval upon a determination that the holder of the general approval has:

- (a) Violated any provision of N.J.S.A. 13:1E-1 *et seq.*, the New Jersey Statewide Mandatory Source Separation and Recycling Act, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 13:1E-1 *et seq.* and the New Jersey Statewide Mandatory Source Separation and Recycling Act;
- (b) Violated any solid waste utility law at N.J.S.A. 48:2-1 *et seq.* or 48:13A-1 *et seq.*, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 48:2-1 *et seq.* or 48:13A-1 *et seq.*;
- (c) Violated any provision of any laws related to pollution of the waters, air or land surfaces of the State or of any other State or Federal environmental laws including criminal laws related to environmental protection;
- (d) Refused or failed to comply with any lawful order of the Department;
- (e) Failed to comply with any of the conditions of this general approval issued by the Department;
- (f) Transferred a general approval to a new owner or operator pursuant to N.J.A.C. 7:26A-3.15 without the prior approval of the Department;
- (g) Has failed to obtain any required permit or approval from the Department or other State or Federal agency; or
- (h) Has committed any of the acts which are criteria for denial of a general approval set forth in N.J.A.C. 7:26A-3.11.

6. Transfers

- (a) Pursuant to N.J.A.C. 7:26A-3.15(a), this general approval shall not be transferred to a new owner or operator without the Department's prior approval.

- (b) Pursuant to N.J.A.C. 7:26A-3.15(a)1, a written request for permission to allow a transfer of this general approval must be received by the Department at least 60 days in advance of the proposed transfer of ownership or operational control of the recycling center. The request for approval shall include the following:
 - (1) The name, address and social security number of all prospective new owners or operators;
 - (2) A written certification by the proposed transferee that the terms and conditions contained in the general approval will be met by the proposed transferee; and
 - (3) A written agreement between the current owner or operator of the recycling center and the proposed new owner or operator containing a specific future date for transfer of ownership or operational control.
- (c) Pursuant to N.J.A.C. 7:26A-3.15(a)2, a new owner or operator may commence operations at the recycling center only after the existing approval has been revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5.
- (d) Pursuant to N.J.A.C. 7:26A-3.15(a) 3, the holder of this general approval remains liable for ensuring compliance with all conditions of the approval unless and until the existing approval is revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5.
- (e) Pursuant to N.J.A.C. 7:26A-3.15(a)4, compliance with the transfer requirements set forth in this subsection shall not relieve the holder of this general approval from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision.
- (f) Pursuant to N.J.A.C. 7:26A-3.15(b), the transfer of a controlling interest in the stock or assets of the recycling center that is the subject of this general approval shall constitute a transfer of this general approval.

7. Operating Record and Reporting Requirements

- (a) Pursuant to N.J.A.C. 7:26A-3.17(a), the holder of this general approval shall maintain daily records of all materials received, stored, processed or transferred. Said records shall indicate, at a minimum:
 - (1) A daily record of the amounts of each recyclable material by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons, cubic yards, cubic feet or gallons. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons;

- (2) The name, address and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amounts, in tons, cubic yards, cubic feet or gallons, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons; and
 - (3) The amount of residue disposed of, expressed in tons, cubic yards, cubic feet or gallons, including the name and New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of the residue from cubic yards to tons.
- (b) Pursuant to N.J.A.C. 7:26A-3.17(b), the holder of this general approval shall retain the information required pursuant to N.J.A.C. 7:26A-3.2(a)16iii for three calendar years following the calendar year for which reporting is required pursuant to condition 7(c) of this section.
 - (c) Pursuant to N.J.A.C. 7:26A-3.17(c), the holder of this general approval shall submit an annual report containing monthly summary statements of the information required pursuant to in condition 7(a) of this section to the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, on or before March 1 of each year, for the previous calendar year. The summaries shall include the following:
 - (1) Monthly totals of the amount of recyclable material received from each customer by municipality of origin;
 - (2) Monthly totals of the amount of recyclable product transferred to each end-market; and
 - (3) The amount of residue disposed of during each month.
 - (d) Pursuant to N.J.A.C. 7:26A-3.17(e), the holder of this general approval shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C. 7:26. The certification shall be submitted annually as part of the annual report required at condition 7(c) of this section.
 - (e) Pursuant to N.J.A.C. 7:26A-3.17(f), all information submitted to the Department pursuant to conditions 7(a) through (d) of this section shall be handled in accordance with the requirements of the Public Records law, N.J.S.A. 47:1-1 *et seq.* The Department will hold confidential all end-market information, as well as information pertaining to the municipality of origin of recyclable material, submitted pursuant to N.J.A.C 7:26A-3.2, 3.7, and 3.17 through 3.20 for a period of two years from the date on which the information is submitted to the Department, where specified as confidential by the applicant and where there are no health, safety or environmental

concerns which require the release of the information, as determined by the Department.

- (f) Pursuant to N.J.A.C. 7:26A-4.4 (a), the holder of this general approval shall provide a recycling tonnage report by February 1 of each year to all municipalities from which recyclable material is received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center, as well as the date on which the recyclable materials were delivered to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons.

8. Conformance to District Solid Waste Management Plan

Pursuant to N.J.A.C. 7:26A-4.2, the recycling center shall not commence operations unless and until it is included in the applicable district solid waste management plan.

9. Uniform Construction Code

Pursuant to N.J.A.C. 7:26A-4.1(b), the construction of the recycling center that is the subject of this general approval shall be in conformance with the New Jersey Uniform Construction Code, N.J.S.A. 52:27D-119 *et seq.*, and the rules promulgated pursuant thereto.

10. Right of Entry

- (a) Pursuant to N.J.A.C. 7:26A-4.3(a), the New Jersey Department of Environmental Protection or an authorized representative acting pursuant to the County Environmental Health Act, N.J.S.A. 26:3A2-1 *et seq.* shall have the right to enter and inspect any building or other portion of the recycling center at any time in order to determine compliance with the provisions of all applicable laws or rules and regulations adopted pursuant thereto. This right to inspect includes, but is not limited to:
 - (1) Sampling any materials on site;
 - (2) Photographing any portion of the recycling center;
 - (3) Investigating an actual or suspected source of pollution of the environment; and,
 - (4) Ascertaining compliance or non-compliance with the statutes, rules or regulations of the Department, including conditions of the recycling center approval issued by the Department.
- (b) Pursuant to N.J.A.C. 7:26A-4.3(b), the right of entry specified in condition 10(a) of this section shall be limited to normal operating hours for the purpose of reviewing and

copying all applicable records, which shall be made available to the Department during an inspection and submitted to the Department upon request.

End of Section I

Section II - General Operating Requirements

(Modified February 26, 2003)

1. General Operating Requirements for All Recycling Centers

Pursuant to N.J.A.C. 7:26A-4.1(a), the recycling center shall be operated in compliance with the following operational standards:

- (a) All recyclable materials received, stored, processed or transferred at the recycling center shall conform to the following criteria:
 - (1) The recyclable materials shall have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials from the incoming waste stream;
 - (2) The recyclable materials shall consist only of recyclable materials which the Department has approved at Section III of this general approval, pursuant to N.J.A.C. 7:26A-3, for receipt, storage, processing or transfer at the recycling center; and
 - (3) Recyclable materials may be commingled to the extent authorized in this general approval in Section III.
- (b) Residue shall not be stored on site for a period in excess of six months;
- (c) All residue shall be removed from the recycling center site in accordance with each district's waste plan;
- (d) All residue shall be stored separately from recyclable material and in a manner which prevents run-off, leakage or seepage from the residue storage area into, on or around the soil of the residue storage area;
- (e) The operation and related activities of the recycling center shall be in conformance with all applicable Federal and State laws and regulations;
- (f) The recycling center shall be operated in such a manner that the recycling center property is maintained free of litter and debris and such that tracking of mud into nearby streets is prevented;
- (g) Traffic associated with the operation of the recycling center shall not result in an unacceptable decrease in the existing level of service described and defined in the New Jersey Department of Transportation Highway Access Management Code at N.J.A.C. 16:47 of any major intersection or public roadway within a one-half mile radius of the recycling center;

- (h) Recycling center operations shall be separated from any and all adjacent residential, commercial and/or other sensitive land uses through the establishment of an effective visual screen buffer;
- (i) The entrance to the access road shall be fenced or otherwise secured to prevent unauthorized access to the site;
- (j) To provide sufficient support for vehicles, to prevent the tracking of soil onto public roads and to minimize the generation of dust, those areas of the recycling center subject to vehicular usage shall be suitably compacted and where necessary paved; and
- (k) An adequate water supply and fire-fighting equipment shall be readily available to extinguish any fires. The telephone number of the local fire department shall be posted at the entrance to the recycling center.

2. General Operating Requirements for Recycling Centers Composting Yard Trimmings

- (a) Pursuant to N.J.A.C. 7:26A-3.8(c), a fire control plan for the recycling center shall be filed with and approved by the local fire official or other person of competent jurisdiction and shall be filed with the local municipal code enforcement officer prior to operating the recycling center.
- (b) Pursuant to N.J.A.C. 7:26A-4.5(a) the recycling center shall be operated in compliance with the following:
 - (1) Operation of the recycling center shall be under the supervision and control of a properly trained individual during all hours of operation, and access to the recycling center shall be prohibited when the recycling center is closed.
 - (2) Yard trimmings shall be received only during times when the recycling center operator or owner is present.
 - (3) All yard trimmings delivered to the recycling center for processing shall be removed from bags, boxes or similar containers prior to any processing steps except that yard trimmings in biodegradable bags need not be removed from such bags if the processing equipment provides for a shredding or cutting action. All discarded bags, boxes and similar containers shall be placed in a suitable refuse receptacle in the staging area of the recycling center for removal to an off-site disposal facility in accordance with the applicable district waste management plan.
 - (4) If the incoming material contains grass, it shall be accepted only in areas of the site that are at least 1,000 feet from any areas of human use or occupancy, and processing of such material shall begin on the day of receipt.

- (5) Recycling centers which provide composting of the Class C recyclable material shall operate in accordance with the following:
 - (i) Within one year of the start up of the recycling center, the recycling center operator shall attend a composting course sponsored by the Rutgers Cooperative Extension, the appropriate county agricultural or resource management agents or any other similar course recognized by the Department.
 - (ii) Prior to windrow formation, dry yard trimmings shall be moistened with water to saturation without producing excessive runoff;
 - (iii) To facilitate drainage and to reduce surface water ponding, each windrow shall be constructed and positioned in such a manner that it is perpendicular to the contours of the ground surface;
 - (iv) A windsock shall be installed at the recycling center in order to indicate wind direction so that the recycling center operator may determine appropriate times for windrow turning operations;
 - (v) The recycling center shall follow the approved method of windrow composting defined in Section III of this general approval;
 - (vi) Finished compost shall be tested once each year, at a minimum, in accordance with monitoring and sampling plan established at Section III of this general approval. Samples of the compost produced at the recycling center shall be analyzed for the parameters listed at Table 1 at the end of this section. Results of all laboratory analysis for each parameter specified shall be recorded and maintained at the recycling center.
 - (vii) The laboratory used to perform the analysis of the finished compost product shall be certified in accordance with N.J.A.C. 7:18 for the equipment and testing procedures required;
- (6) In addition to the record-keeping requirements of N.J.A.C. 7:26A-3.17, the recycling center shall maintain the following records:
 - (i) The quantity of yard trimmings received daily, expressed as cubic yards of leaves, grass and/or brush;
 - (ii) The source of yard trimmings received daily; and
 - (iii) The results of laboratory analyses of finished compost, if applicable;
- (7) The following information shall be made available for inspection by the Department pursuant to N.J.A.C. 7:26A-4.3:

- (i) The results of compost analyses and name(s) of certified laboratory(ies), if applicable;
 - (ii) The quantity, type and source of incoming material;
 - (iii) The quantity and types of recovered recyclables;
 - (iv) The quantity of disposed residue, and sites receiving residue; and
 - (v) The standard procedures employed to ensure data reliability.
- (8) The recycling center shall submit to the Department within one year of receipt of its general approval to operate, a final closure plan containing a schedule and description of the steps necessary to close the recycling center including the estimated cost of closure and a description of the means by which the closure will be financed.
- (9) The recycling center shall notify the Department in writing at least 60 days prior to the proposed closure date for the recycling center.
- (10) The recycling center shall publish a notice of closure in a newspaper of general circulation in the district where the recycling center is located and in districts or communities sending at least 25 percent of their yard trimmings to the recycling center. Such notice shall be published at least 15 days prior to closure.
- (11) Within 30 days of ceasing operation, all residuals, unprocessed yard trimmings, and recyclables shall be removed from the site and recycled or disposed as appropriate.
- (12) The Department shall determine that a recycling center is considered closed when all the requirements of the closure plan have been met.
- (b) Pursuant to N.J.A.C. 7:26-4.5(c), any compost produced by the recycling center shall be subject to the following:
- (1) Compost given away or offered for sale by the recycling center must contain a label describing the recommended safe uses and application rates, and restrictions, if any, on use of the product. If compost is offered for bulk sale, signs or printed literature containing the above information shall be available on the bill of lading to the purchaser or persons receiving the compost.
 - (2) Compost given away or offered for sale shall satisfy the general requirements established at 40 C.F.R. Part 503, specifically 40 C.F.R. 503.13(b)(3).

Table I

COMPOST QUALITY MONITORING PARAMETERS

<u>Parameter</u>	<u>Unit</u>	<u>Method</u>
Stability or Maturity		O ₂ Consumption, CO ₂ Respiration, DeWars Self Heating Test, or Other Approved by Department
Soluble salts		Electrical Conductivity
pH		
Regulated parameters:		
Arsenic (As)	mg/kg dry wt.	
Cadmium (Cd)	mg/kg dry wt.	
Chromium (Cr)	mg/kg dry wt.	
Copper (Cu)	mg/kg dry wt.	
Lead (Pb)	mg/kg dry wt.	
Mercury (Hg)	mg/kg dry wt.	
Molybdenum (Mo)	mg/kg dry wt.	
Nickel (Ni)	mg/kg dry wt.	
Selenium (Se)	mg/kg dry wt.	
Zinc (Zn)	mg/kg dry wt.	
Man-Made Inerts > 4 mm and < 13 mm	percent by volume	Sieve Analysis
Film plastic > 4 mm	cm ² /m ³	Sieve Analysis

Notes:

1. Man-made inert material includes glass shards and metal fragments that pose a human and animal safety hazard with unprotected exposure or through direct ingestion.
2. Film plastic can be a potential hazard to small animals through direct ingestion.

End of Section II

Section III – Specific Conditions Applicable to the Recycling Center

1. Approved Recyclable Materials

The following yard trimmings may be received and processed to produce compost at this recycling center:

Leaves
Grass Clippings

The listed materials may not be received in a commingled manner.

2. Contaminants

The maximum amount of contaminants allowed for each load of recyclable materials shall be limited to 1% by volume. The term contaminants in this document shall mean any material that is not included in the Approved Recyclable Materials list identified at condition 1 of Section III. Loads of material received at the recycling center containing greater than 1% percent by volume contaminants shall not be accepted for processing at the facility and shall be directed off the facility site.

3. Approved Designs, Plans and Reports

(a) The holder of this general approval shall operate the recycling center and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26A-1 *et seq.*, the conditions of this general approval, and the following general approval application documents, which are incorporated herein by reference:

- (1) HMDC letter dated June 20, 1997 signed by Christopher Dour supplying information for a General Approval for the HMDC 1-E Compost Facility in response to the Department's letter dated April 7, 1997.
- (2) HMDC letter dated August 1, 1997 signed by Thomas Marturano supplying information for a General Approval for the HMDC 1-E Compost Facility in response to the Department's administrative completeness letter dated July 8, 1997.
- (3) HMDC letter dated February 24, 1998 signed by Thomas Marturano supplying information for a General Approval for the HMDC 1-E Compost Facility in response to the Department's administrative completeness letter dated November 5, 1997.
- (4) "Addendum to the Application for a Recycling Center General Approval" dated May 2002 prepared by the New Jersey Meadowlands Commission (NJMC) in

response to the Department's technical notice of deficiency letter dated November 10, 1999.

- (5) The following full-size drawings which were signed and sealed by Thomas R. Marturano, P.E. on May 7, 2002:

Sheet No. 1 of 4 Site Plan, last revised April 30, 2002

Sheet No. 2 of 4 Site Plan, last revised April 30, 2002

Sheet No. 3 of 4 Site Plan, last revised April 30, 2002

Sheet No. 4 of 4 Site Plan, last revised April 30, 2002

- (b) In the case of conflict, the conditions of this approval shall have precedence over the general approval application documents listed above and the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs.
- (c) One complete set of the general approval application documents listed in conditions 3(a)(1) through (5) of this section above, this general approval, and all records, reports including the information required at condition 7(a) of Section I and plans as may be required pursuant to this approval shall be kept on file at the recycling center and shall be available for inspection by authorized representatives of the Department or delegated agents upon presentation of credentials.
- (d) Within one hundred twenty (120) calendar days from the issuance of this general approval, the holder of this general approval shall submit an amended site plan signed and sealed by a professional engineer to the Division of Solid and Hazardous Waste, Bureau of Resource Recovery and Technical Programs, that includes the following revisions:
- (1) A planned windrow layout where no more than 18,000 linear feet of windrow will be present on site at any given time;
 - (2) Windrows shall be constructed and/or terminate a minimum of thirty (30) feet from each individual gas vent located within the designated windrow area (area north of landfill gas well numbers EW-30 and EW-48);
 - (3) Delineate cross sectional views for the windrows, screening piles (first and second) and finished compost storage pile(s);
 - (4) Identify the placement of all equipment;
 - (5) A separate revised site plan drawn to a sufficient scale shall be submitted which clearly delineates (labels) all dimensional and volumetric details for all material processing (screening operations) areas and related stockpile areas (finished compost, residue areas) to be utilized at the recycling center.

4. Approved Operations

- (a) Hours of Operation

All recycling center operations shall be limited to the following schedule:

Monday –Friday	6:00 AM to 4:30 PM
Saturday	6:00 AM to 3:30 PM

(b) Material Deliveries

Material deliveries to the recycling center shall be scheduled in such a manner as to minimize truck queuing on the recycling center property. Under no circumstances shall delivery trucks be allowed to back-up or queue onto public roads.

(c) Maximum Daily Capacity

The recycling center may receive no more than 100 trucks per day.

(d) Equipment Requirements

- (1) The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:

Wildcat Model LH250A Windrow Turner (The hour meter shall be maintained in operating condition at all times to record the hours of use.)

Power Screen Model 830

Power Screen Model 616

John Deere 744 Loader

John Deere 644 Loader

Caterpillar 950 Loader

Water tank

- (2) Requisite recycling center operations shall not be delayed or neglected for lack of required equipment or for equipment downtime.

(e) Operating Area Maintenance

- (1) Those areas of the site subject to vehicular usage shall be maintained suitably graded and compacted, and when necessary re-surfaced, to provide ample vehicular support in all weather conditions that allows operating equipment to perform all operational requirements contained in this General Approval.

- (2) Site grading (and any future re-grading) shall be performed in accordance with the relative slopes shown by the topographic contours indicated on the site plans listed at condition 3(a)(5) of this section. The composting area, finished compost stockpile area and access roads shall be maintained for the life of the recycling center in a manner that prevents the accumulation or ponding of surface water.

(f) Incoming Materials Inspection and Handling

After materials are delivered to the facility, windrow formation and grass processing operations must adhere to the following:

- (1) Incoming loads of leaves shall be directed to the composting pad. Here the unloaded leaves shall be spread and wetted (as needed) and formed into windrows.
- (2) Incoming loads of grass clippings shall be directed to the composting pad for mixing with partially decomposed leaves. Grass clippings shall be incorporated into the windrows within the working day of receipt at the recycling center.

Each load shall be inspected in accordance with the inspection plan provided in the addendum to the application referenced in condition 3(a)(4) of this section. This plan specifies that loads received in the compost area will be inspected prior to forming windrows and that all contaminants shall be removed and placed in roll-off containers at the recycling center for eventual removal off site for disposal.

(g) Windrow Management

(1) General Operations

Windrow construction and reconstruction shall be conducted within the confines of the designated composting area identified on the approved site plans listed in condition 3(a)(5) of this section. Windrows shall be limited to the area north of the landfill gas wells numbered EW-30 and EW-48 as depicted on the site plans listed at condition 3(a)(5) of this section. In addition, windrows shall be constructed and/or terminate a minimum of thirty (30) feet from each individual gas well. Expansion of activities beyond the designated area is prohibited without prior Department approval. The total length of all the windrows at the recycling center at any given time shall not exceed 18,000 linear feet (approximately 60,000 cubic yards).

(2) Leaf Windrow Operation

- (i) Upon acceptance, leaves as described at 4(f)(1) of this section shall be placed directly into windrows. Windrows shall be constructed (and reconstructed if necessary after turning) to a maximum height of eight (8) feet with a corresponding base not to exceed a maximum of seventeen (17) feet in width.
- (ii) Leaf windrows shall be turned with the Wildcat LH250A windrow turner in combination with one or more loaders listed at condition 4(d)(1) of this section.
- (iii) Ample working space shall be maintained between windrows for turning purposes. A minimum separation of ten (10) feet working distance measured from the pile base to the next adjacent pile's base shall be provided to permit movement of turning equipment.

- (iv) After initial formation, leaf windrows shall be turned and reconstructed at a frequency to maintain inner core temperatures below 140°F.

(3) Grass Mixing

- (i) Grass clippings as described at condition 4(f)(2) of this section shall be mixed with partially decomposed leaves. Mixing shall occur at a ratio of one (1) part of grass clippings to not less than three (3) parts of partially decomposed leaves. Front end loaders shall be used to physically combine one (1) bucket of grass clippings to not less than three (3) buckets of partially decomposed leaves as indicated in the addendum to the application referenced at condition 3(a)(4) of this section. The mixture shall be formed into windrows (hereinafter referred to as “Mixed Windrows”).
- (ii) Partially decomposed leaves shall be used only once for mixing with grass clippings.

(4) Mixed Windrow Operation

- (i) Mixed windrows shall be constructed to a maximum height of five (5) feet with a corresponding base not to exceed a maximum of seventeen (17) feet in width.
- (ii) Mixed windrows shall be turned with the Wildcat LH250A windrow turner.
- (iii) Ample working space shall be maintained between windrows for turning purposes. A minimum separation of ten (10) feet working distance measured from the pile base to the next adjacent pile's base shall be provided to permit movement of turning equipment.
- (iv) After initial formation, windrows shall be turned and reconstructed a minimum of once a week for the first month. Further turnings shall be scheduled to prevent temperatures from exceeding 140°F and to prevent oxygen levels from dropping below five (5) percent.

(h) Curing

At no time shall curing piles be formed at the recycling center. Curing of all material (leaves and grass clippings) shall occur in the windrows.

(i) Screening

- (1) When the holder of the general approval determines that material in windrows has reached steady state conditions based on results of temperature and oxygen monitoring, the stabilized windrow material may be formed into stockpiles for screening.

- (2) The stabilized compost shall be screened with the Powerscreen Model 616 or equivalent identified at condition 4(d)(1) of this section.
- (3) By the end of the working day over-sized material may be formed into windrow with dimensions not to exceed a height of eight (8) feet with a corresponding base width of seventeen (17) feet in the composting area north of landfill gas wells numbered EW-30 and EW-48. The length of these over-sized material windrows shall be added to the length of any leaf or mixed windrows on site to determine the total length of all windrows at the site in accordance with condition 4(g)(1) of this section.
- (4) After the second screening or at the end of six (6) months whichever comes first, remaining residue shall be placed in roll-off containers for disposal off site.

(j) Finished Compost

Finished compost may be stored only in the "Compost Entrance Area" as shown on the Site Plan (sheet 4 of 4) identified at condition 3(a)(5) of this section.

(k) Product Monitoring & Sampling Plan

The compost product monitoring and sampling plan shall consist of the following:

- (1) At a minimum, one sample of compost product of sufficient size and of equal proportion shall be collected for every 1,000 cubic yards of compost product generated.
- (2) A maximum of ten (10) samples may be composited into a single representative sample that shall be placed in a non-metallic container and thoroughly mixed.
- (3) A minimum of two (2) subsamples of sufficient size and of equal proportion shall be extracted from the representative sample and placed in clean plastic containers. The containers shall then be sealed. One subsample shall be sent to a laboratory for analysis. The laboratory used to perform analysis shall be certified in accordance with N.J.A.C. 7:18. The second subsample shall be retained at the site so that the Department may conduct follow-up analysis when necessary. The subsample shall be clearly marked for identification and proper preservation techniques shall be employed. The subsample shall be retained for a period of 180 days from the date the sample is transferred to the laboratory for analysis.
- (4) The holder of the general approval results shall submit a copy of the analytical results to the following address within ten (10) days of receipt.

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
Office of Permitting and Technical Programs
P.O. Box 414

Trenton, New Jersey 08625-0414

- (5) Finished compost shall remain on site until the associated analytical results are received by the facility and a determination is made whether the finished product meets the required criteria set forth at 40 C.F.R. Part 503, specifically 40 C.F.R. 503.13(b)(3).
- (6) Material sampling methods, sample preservation requirements, sample handling times and decontamination procedures for field equipment shall conform to applicable industry methods as specified in the NJDEP's "Field Sampling Procedures Manual."

(l) Operations Monitoring

- (1) The holder of this general approval shall maintain a facility operations journal, which shall include the following:
 - (i) Date;
 - (ii) Sketch of the site including windrows, finished product stockpiles, and residue storage container locations;
 - (iii) Identification of windrows that have been turned and/or reconstructed each day;
 - (iv) Identification of windrows where grass clippings were mixed on any given day;
 - (v) Prevailing wind direction;
 - (vi) Person(s) responsible for journal entry;
 - (vii) Name(s) of operator(s);
 - (viii) A general description of any and all activities at the site including, but not limited to:
 - (A) Regrading;
 - (B) Windrow and pile construction, turning and maintenance including hours of use of the windrow turning equipment;
 - (C) Screening;
 - (D) Distribution of finished compost (in cubic yards);
 - (E) Residue removed from the site for disposal (cubic yards); and
 - (F) Results of any laboratory analysis for finished compost.
- (2) At a minimum, the following activities shall be performed and recorded in the facility operations journal:
 - (i) Inspect the site weekly for ponded water and rut formation and record findings;

- (ii) Inspect the site periphery weekly for discharge of leachate and record findings;
 - (iii) Measure windrow core temperature at one (1) randomly selected location for every one hundred feet of windrow each week for every windrow and record the results;
 - (iv) Measure windrow core temperature at one (1) randomly selected location for every one hundred feet of windrow containing grass clippings each day for thirty (30) days after the introduction of grass clippings. After thirty (30) days, the measurements shall be taken each week;
 - (v) Measure windrow core oxygen concentrations at one (1) randomly selected location for every one hundred feet of windrow containing grass clippings once a week for four (4) weeks after the introduction of grass clippings and record the results; and
 - (vi) Inspect the surrounding area daily (Monday through Saturday) in the vicinity of the facility operation to detect off-site odors emanating from the facility.
- (3) The holder of this general approval shall retain the facility operations journal at the facility for a period of five (5) years. Data collected shall be maintained on site and made available for NJDEP personnel inspection. Also, data collected shall be forwarded to the Department upon request.

(m) Residue

Residue, being the material that evolves from the processing of source separated recyclable material and is subsequently subject to disposal, inclusive of contaminants, shall not exceed 1% by volume of the total yard trimmings accepted during the year the material containing that residue was received. For the purpose of definition, the year shall start with the first day of the fall season on which leaves are received and shall end on the same day in the following year.

(n) Dust Control

Methods of effectively controlling dust shall be implemented at the recycling center in order to prevent off-site migration.

5. Acquisition of Auxiliary Approvals

Within sixty (60) days from the date of issuance of this general approval, the holder of this general approval shall submit a copy of the letter from the local fire official approving the fire control plan for the NJMC composting facility.

End of Section III