

COMPOSTABLE MATERIALS HANDLING FACILITY PERMIT

1. Facility/Permit Number:

48-AA-0084

2. Name and Street Address of Facility:

**POTRERO HILLS
COMPOSTABLE MATERIALS
HANDLING FACILITY**
3675 Potrero Hills Lane
Suisun City, California 94585

3. Name & Mailing Address of Operator:

**POTRERO HILLS LANDFILL
INC.**
P.O. Box 68
Fairfield, CA 94533

4. Name and Mailing Address of Owner:

**POTRERO HILLS LANDFILL,
INC**
P.O. Box 68
Fairfield, CA 94533

5. Specification: a. Permitted Operations: **Composting Facility** Processing Facility
 Transfer Station Transformation Facility
 Landfill Disposal Site Other:
 Material Recovery Facility

b. Permitted Hours of Operations:

The composting operation will be open to the public and commercial haulers from 6:00 am to 4:00 pm, Monday - Sunday. Commercial haulers may deliver materials after hours whenever the scale house is manned. Composting operations is limited to the times the landfill is open.

c. Permitted Tons per Operating Day:

Permitted tonnages will be 200 tons per day averaged over 7 consecutive days with a peak of 320 tons per day.

d. Permitted Traffic Volume: (combined traffic for landfill and compost facility)

500 vehicles per day inbound averaged over 7 day week (7 day week means any consecutive 7 day period)
1,000 vehicles per day inbound peak traffic.

e. Key Design Parameters (Detailed parameters are shown on site plans bearing LEA and Cal Recycle validations):

	Total	Disposal footprint	Transfer Station	MRF	Composting	Transformation
Permitted Area (in acres)	22				22	
Permitted Capacity					216,300 cubic yards	
Max. Elevation (Ft. MSL)						
Max. Depth (Ft. MSL)						
Estimated Closure Date						

Upon a significant change in design or operation from the described herein, this permit is subject to revocation or suspension. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previous issued solid waste facility permits.

6. Approval:

Bill Emlen, Director

Solano County Resource Management Department

Approving Officer Signature

7. Enforcement Agency Name & Address:

**Solano County LEA
Department of Resource Management
675 Texas Street, Suite 5500
Fairfield, CA 94533**

8. Date received by Cal Recycle:

DEC 09 2011

9. Cal Recycle Concurrence Date:

10. Permit Issue Date:

11. Permit Review Due Date:

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12. Legal Description of Facility (attach map with RCSI):

The Facility occupies 22 acres of land within the property of Potrero Hills Landfill. The landfill is located in Township 4N, Range 1W, Mount Diablo Basin & Meridian; Section 4, 9, 10.

13. Findings:

- a. This permit is consistent with the Solano County Integrated Waste Management Plan, revised November 1995, as amended and approved by Cal Recycle. The location of the facility is identified in the 2010 Countywide Non-Disposal Facility Element, approved by Cal Recycle on October 13, 2010 pursuant to Public Resources Code (PRC), Section 50001 (a).
- b. This permit is consistent with the standards adopted by the Cal Recycle, pursuant to PRC 44010.
- c. The design and operation of the facility is consistent with the State Minimum Standards for Composting as determined by the Local Enforcement Agency, pursuant to PRC 44009.
- d. The Draft and Final Solano Garbage Company/Potrero Hills Landfill Inc. Combined Environmental Impact Report was filed with State Clearinghouse (SCH # 1993033012) certified by Solano County Planning Commission on May 16, 1996 which describes and supports the design and operation of the facility and will be authorized by issuance of this permit.
- e. The Draft and Final Potrero Hills Expansion Project Environmental Impact Report was filed with State Clearinghouse (SCH # 2003032112) and certified by Solano County Board of Supervisors June, 2009 which describes and supports the design and operation of the facility and will be authorized by issuance of the permit. The Notice of Determination was filed with State Clearinghouse on October 26, 2010.

14. Prohibitions:

- a. The following activities are prohibited:
 1. Scavenging
 2. Discharge of wastes off-site
- b. New operations may not begin without prior submittal of amendments to the RCSI, appropriate permit revision or permit modification, and/or written approvals are received from the LEA and if necessary other appropriate agencies.
- c. The permittee is prohibited from accepting or bringing onto site any arsenic pressure treated wood or wood treated with lead based paint for use in composting.
- d. The use of amendments and/or additives for composting shall be allowed only if these materials do not render the finished compost product as hazardous.
- e. Unless specifically permitted or allowed under Title 14, Division 7, Chapter 3.1 of the California Code of Regulations, the facility shall not accept the following materials:
 - (1) Designated wastes as defined in Title 23, Chapter 15, Section 2522 of the California Code of Regulations
 - (2) Municipal Solid Wastes
 - (3) Hot Ashes/Burning materials
 - (4) Medical wastes as defined in Section 25023.2 of the Health & Safety Code
 - (5) Hazardous wastes as defined in Section 25117 of the Health & Safety Code, including household hazardous waste

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15. The following documents describe and/or restrict the operation of this facility:

Document	Date	Document	Date
<u>Report of Facility Information</u> for the Potrero Hills Compostable Handling Facility <u>Odor Impact Minimization Plan</u>	September, 2011	<u>Draft and Final Solano Garbage Company Landfill/Potrero Hills Landfill, Inc. Landfill Combined Environmental Impact Report.</u> , State Clearinghouse No. 1993033012	May, 1996
<u>San Francisco Bay RWQCB Waste Discharge Requirements</u> Order No. R-2-2011-032	May, 2011	<u>Draft and Final Potrero Hills Expansion Project Environmental Impact Report.</u> EDAW, Inc., State Clearinghouse No.2003032112	June, 2009
Solano County Board of Supervisors, <u>Solano County General Plan,</u> <u>Land Use Circulation Element</u>	August, 1992 Updated November, 2008	<u>Solano County Land Use Conditional Use Permit No U-88-33</u>	September, 2005 Updated June, 2009
BCDC Permit # 3-10 (M)	November 2010	<u>Solano County Marsh Development Permit No.MD-88-09</u>	September, 2005 Updated June, 2009
		Hazardous Materials Business Plan	2007 Reviewed Annually

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16. Self Monitoring:

Results of all self-monitoring programs as described in the Report of Composting Site Information, will be reported as follows:

Program	Reporting Frequency	Agency Reported To
1) The daily total tonnages of feedstock received including 7 consecutive days tonnage average. A daily tonnage of each type of feedstock shall be recorded.	Monthly*	LEA
2) The type, quantity and description of use of all amendments, additives, and bulking agents used in the composting operation.	Monthly*	LEA
3) Calculate and report the number of vehicles entering the compost facility each day of operation including 7 consecutive days incoming vehicles average.	Monthly*	LEA
4) Log of special or unusual occurrences, i.e. accidents, injury, fires, explosions, hazardous waste incidents, unexpected shutdowns, etc and the operator's response to correct the problem.	Quarterly *	LEA
5) Results of the load checking program, random load checks of feedstock, additives, and amendments for contaminants shall be conducted.	Quarterly *	LEA
6) Report all verbal and written complaints regarding the facility and the operator's actions taken in response to the complaint. Copies of all written complaints and operator generated report for a verbal complaint regarding the Facility, and a summary of the operator's actions taken to resolve each complaint.	Within 24 hours	LEA
7) Analytical laboratory results of required metal concentrations and pathogen reduction monitoring program: Each report form shall clearly display the official name of the facility, the date the sample was taken, the date the analysis was completed, where the sample was collected (ID the windrow), and results of analysis.	Within 30 days of testing*	LEA
8) Inventory of all compostable materials on site (in cubic yards) broken down by category submitted by January 25 and July 25 of each year, including: unprocessed feedstock by type (i.e. green waste, other); amendment, additives and bulking agents; identify active windrows, curing materials and finished product. A site plan will show roads, structures, storm water drainages and leachate collection ponds or areas.	Semi-annual*	LEA
9) The monthly monitoring results of the compost pad.	Semi-Annual *	LEA
10) Daily monitoring of weather data: temperature, wind speed and direction, weather conditions. Temperature monitoring and turning records for all windrows, active, and stored compost.	Available upon request	LEA
11) An employee training log with dates of training, course descriptions, etc, shall be maintained and kept current.	Available upon request	LEA
* Reporting due by the 25th of the month following the end of the reporting period, or when otherwise specified by the Local Enforcement Agency.		

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17. LEA Conditions:

(NOTE: LEA conditions listed here shall be in addition to conditions of other documents controlling operation of this facility, and do not take place of, or absolve from, compliance with such regulations or conditions)

1. The operator shall maintain a copy of this Compostable Handling Materials Facility Permit, the Report of Facility Information, Odor Impact Minimization Plan, and other governing documents at the facility and to be available to enforcement agency. The operator shall maintain and make available for review to the enforcement agency all correspondence and reports provided to other regulatory agencies that have jurisdiction over the facility.
2. A legible sign shall be posted at the main entrance of the facility that indicates the name of the facility, the address, the name of the contact person, and the phone number where the operator or designee can be reached in case of an emergency or to file a complaint about any nuisance condition originated at the site.
3. The operator shall be responsible for identifying the types of feedstock accepted for processing consistent with Title 14 CCR, 17852.
4. The operator shall maintain a copy of each written complaint and each report for a verbal complaint regarding this facility, and a summary of the operator's actions taken to resolve each complaint. All regulatory correspondence from other public agencies should be forwarded to the LEA.
5. Additional clarifying information concerning the design and operation of the composting facility shall be furnished upon written request of the LEA or Cal Recycle.
6. The operator shall maintain a log of special/unusual occurrences. This log shall include, but is not limited to, fires, explosions, the discharge and disposition of hazardous or unpermitted wastes, and significant injuries, accidents or property damage. Each log entry shall be accompanied by a summary of any actions taken by the operator to mitigate the occurrence. The log shall be available to site personnel and LEA during working hours.
7. The operator shall properly equip and maintain noise attenuation and spark arrestor devices (such as mufflers) on all combustion engines utilized at this facility. All equipment components shall be maintained in good mechanical condition and properly operated to prevent excessive noise levels and circumstances capable of starting accidental fires.
8. Feedstock having biological, chemical or other physical properties which could cause health and safety or operational problems without special handling is prohibited from being accepted at the facility. The LEA maintains the right to restrict or prohibit any material which by the result of moisture or any other characteristic prevents or inhibits proper handling of the feedstock. Proper handling includes, but is not limited to the handling/processing of the compostable material to limit or prevent offsite odor impacts.
9. Feedstock shall be processed and placed in windrows/zones or transported offsite within 7 days. Additional material shall not be accepted into facility until such time as backlogged material is processed and placed in windrows/zones.
10. The operator shall maintain a current list of available back-up equipment in the event of equipment failure.
11. Grinding and screening operations shall not occur during high wind conditions and be conducted in a manner that will not create off-site impacts.
12. Only non-hazardous odor neutralizers shall be used for odor control. A copy of the current Material Safety Data Sheet (MSDS) for the odor neutralizers shall be made available for review.
13. All piles of compostable material that are stored on site shall be clearly identified and labeled.
14. The operations shall include the following onsite activities:
 - (a) Maintaining windrows in an aerobic condition
 - (b) Maintaining the appropriate windrow moisture content
 - (c) Maintaining adequate windrow temperatures throughout pathogen reduction period
 - (d) Controlling dust through routine application of water
15. The LEA reserves the right to suspend and/or modify the receipt of feedstock materials and handling operations at this facility when deemed necessary due to any emergency, potential health hazard, and/or public nuisance.
16. The facility shall not be operated so as to cause public nuisance as determined by the LEA.
17. A Compliance Officer (CO) shall be designated to oversee the facility materials tracking system from inbound feedstock through final product stages to prevent or eliminate any nuisance conditions including but not limited to odors, litter, dust, fires, vectors, etc. The CO or designee shall monitor the load checking of inbound feedstock, the processing and the storage of all feedstock and compost, monitor and record wind and weather conditions throughout the hours of operation, noting times of day conditions, changes and modifications to site operations to prevent nuisance conditions, the status of all verbal and written complaints, oversee and be responsible for keeping the LEA informed of any new techniques, products used or changes in operation to prevent or eliminate nuisance conditions, and be responsible for providing and maintaining all records required by the LEA to help identify any nuisance conditions at the site.

18. The LEA reserves the right to require additional measures as needed to adequately control nuisances resulting from composting operations.
19. This permit is subject to review by the LEA and may be suspended, revoked or modified at any time for sufficient cause.
20. The operator shall submit an application for revision to this Compostable Handling Materials Facility Permit for any proposed significant change in design or operation at least 180 days prior to the expected implementation of the design or operation as required by PRC Section 44004(b).
21. The operator shall not make changes in operations without written approval of Solano County LEA. Any significant change as determined by the LEA would require a revision of this permit with concurrence of Cal Recycle.
22. All design and operational features in the RFI shall be considered LEA conditions under this section of the permit.
23. The operator shall not exceed a composting boundary of 22 acres and the permitted capacity of 216,300 cubic yards. All compost activity will occur only within the Potrero Hills Compostable Materials Handling Facility as delineated in September, 2011 RFI and approved amendments thereto.
24. As specified in Title 14 CCR, Chapter 3.1 Article 7, Section 17688.2: No compostable materials shall leave the premises without meeting the acceptable metal concentrations; and pathogen reduction requirements specified in Section 17868.3.
25. The total process plan for composting food materials and biosolids and/or other materials not described in the RFI must be submitted to and approved by the LEA before receipt of these feedstock materials. Also the Odor Impact Minimization Plan shall be updated to mitigate odor for these feedstocks. Further Environmental Review may be necessary.
26. Appropriate best management practices shall be incorporated to minimize sheet flow, pooling, and public contact with compost leachate, or runoff water exposed to compost leachate. This includes properly grading the compost area and utilizing berms, drainage ditches, underground drainage systems, or other structural or operational controls to collect and divert compost leachate, or runoff water exposed to compost leachate, away from public areas and into approved storage areas, which may include the drainage and storage system for the landfill, in a manner that minimizes odor generation and prevents public contact.