COMPOSTABLE MATERIALS HANDLING FACILITY PERMIT

1. **Facility/Permit Number:** **48-AA-0083**

2. **Name and Street Address of Facility:**
JEPSON PRAIRIE ORGANICS COMPOSTING FACILITY
6426 Hay Road
Vacaville, California 95687

3. **Name & Mailing Address of Operator:**
JEPSON PRAIRIE ORGANICS COMPOSTING FACILITY
6426 Hay Road
Vacaville, CA 95687

4. **Name and Mailing Address of Owner:**
JEPSON PRAIRIE ORGANICS COMPOSTING FACILITY
6426 Hay Road
Vacaville, CA 95687

5. **Specification:** a. **Permitted Operations:**

[X] **Composting Facility**
[ ] Transfer Station
[ ] Landfill Disposal Site
[ ] Material Recovery Facility
[ ] Processing Facility
[ ] Transformation Facility
[ ] Other:

b. **Permitted Hours of Operations:**

The composting operation will be open to the public and commercial haulers from 8:00 am to 4:00 pm, 7 days/week, 361 days per year (closed on 4 holidays: New Years Day, Easter, Thanksgiving, and Christmas Day). Arrangements can be made with commercial haulers to bring feedstock in earlier or later then hours of 8:00 am to 4:00 pm. Composting operations are allowed 7 days/week, 24 hours per day.

c. **Permitted Tons per Operating Day:**

Permitted tonnages will be up to 600 tons per day averaged over 7 days with a peak of 750 tons* per day. *See No.17 LEA conditions- #24

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

620 vehicles per day **7 day average** combined for Jepson Prairie Organics Composting and Hay Road Landfill

	Total	Disposal footprint	Transfer Station	MRF	Composting	Transformation
Permitted Area (in acres)	**54**	N/A	N/A	N/A	**54**	N/A
Permitted Capacity	[redacted]	N/A	N/A	N/A	**225,000 cubic yards**	N/A
Max. Elevation (Ft. MSL)		N/A	[redacted]			
Max. Depth (Ft. MSL)		N/A				
Estimated Closure Date		N/A				

The permit is granted solely to the operator named above and is not transferrable. 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 Environmental Management Department

Approving Officer Signature

7. **Enforcement Agency Name & Address:**
Solano County LEA
Resource Management Department
675 Texas Street, Suite 5500
Fairfield, CA 94533

8. **Received by Cal Recycle:** JUN 25 2013

9. **Cal Recycle Concurrence Date:** JUL 05 2013

10. **Permit Review Due Date:**

11. **Permit issued Date:**

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

The Facility occupies 54 acres of land within the Recology Hay Road Landfill. The landfill is located in Township 5N, Range 1E, Mount Diablo Basin & Meridian; Solano County Assessor's Parcel Nos. 042-02-060 & 042-02-280.

13. Findings:

a. This permit is consistent with the latest Solano County Integrated Waste Management Plan, revised November 1995, amended and approved by the Cal Recycle.

b. The location of the facility is identified in the Solano Countywide Non-disposal Facility Element, approved by Cal Recycle on October 13, 2010 pursuant to Public Resources Code (PRC), Section 50001.

c. This permit is consistent with the standards adopted by Cal Recycle, pursuant to PRC 44010.

d. The design and operation of the facility is consistent with the State Minimum Standards for Composting as determined by the Enforcement Agency, pursuant to PRC 44009.

e. Environmental Determination: The following documents have been prepared, processed and certified pursuant to the California Environmental Quality Act of 1970, as amended:

i) Environmental Assessment for an Amended Use Permit for the B&J Drop Box Landfill, Nichols and Berman, Environmental Planning and Resource Management, April 1983. Adopted by Solano County Planning Commission.

ii) Solano County Department of Environmental Management, Mitigated Negative Declaration for the B&J Drop Box Sanitary Landfill Project, August 13, 1991, State Clearinghouse Number 91083038. Adopted by Solano County Planning Commission.

iii) B&J Landfill Master Development Plan, Final Environmental Impact Report and Response Document, Brown and Caldwell, April 1993, State Clearinghouse Number 92063112. Adopted by Solano County Planning Commission.

iv) Solano County Department of Environmental Management B&J Landfill Modified Master Development Plan, Initial Study and Negative Declaration, 6 September 1995, State Clearinghouse Number 95093048. Adopted by Solano County Planning Commission.

v) Mitigated Negative Declaration, filed with the State Clearinghouse (SCH # 2001032035) on March 06, 2001, and adopted by the Solano County Department of Environmental Management on April 16, 2001.

vi) Final Subsequent Environmental Impact Report for the Norcal Waste Systems, Inc. Hay Road Landfill Project, March 2005. SCH No. 2004 032 138. Adopted by the Planning Commission.

vii) Mitigated Negative Declaration for Recology Hay Road Land Use Project adopted by Solano County Planning Commission on October12, 2012, SCH No. 2004032138.

f. The operator has made proper notification to, and received a written response of approval from, Travis Air Force Base and the Federal Aviation Administration in conformance with 27 CCR Sections 20270 and 21600(b)(3)(A).

g. The permitted area of the facility includes 5.4 acres allocated for the drying of biosolids.

14. Prohibitions:

a. The following activities are prohibited:
   (1) Scavenging
   (2) Salvaging
   (3) Discharge of waste off-site
   (4) Vector propagation and harborage

b. 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.

c. 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.

d. As specified in Title 14 CCR, Chapter 3.1, Article 7, Section 17868.1(a), no compostable materials shall leave the premises without meeting the acceptable metal concentration limits specified in Section 17868.2, and pathogen reduction requirements specified in Section 17868.3.

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
Report of Composting Site Information for the Jepson Prairie Organic Composting Facility Odor Impact Minimization Plan	Feb, 2013	Solano County Department of Environmental Management, B&J Landfill Modified Master Development Plan, Initial Study and Negative Declaration. State Clearing House Number 95093048. Adopted by Solano County Planning Commission.	September 1995
Central Valley RWQCB Waste Discharge Requirements Order No. R-5-2008-0188	December 2008	Solano County Department of Environmental Management, B&J Landfill Initial Study and Mitigated Negative Declaration. State Clearing House Number SCH # 2001032035, and MMRP. Adopted by Solano County Department of Environmental Management.	April 2001
Solano County Land Use Conditional Use Permit No U-91-28 Revision #3, granted by the Solano County Planning Commission.	June, 2005	Hazardous Materials Management Plan and Emergency Response Plan. EPA-ID CAD982042475	July 2004 Revision
Subsequent Environmental Impact Report for Hay Road Landfill (SCH # 2004032138)	March 2005	Solano County Board of Supervisors, General Plan, Land Use and Circulation Element.	Nov, 2008 Revision 1990
Yolo/Solano AQMD Title V Permit Permit # F-01059-0 C-08-113 C-08-058 P-24-00(a) P-61-07 (a)(1) P-04-06 (a)(1) P-34-00 (a) P-61-07 (a3)	2002 December 2008 November 2008 June 2005 June 2008 December 2006 June 2006 November 2011	Solano County Department of Resource Management Initial Study/Mitigated Negative Declaration, Recology Hay Road Land Use Permit Application U-11-09 SCH #2004032138.	Oct., 2012

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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) Calculate the types and quantities (in tons) of all feedstock entering the facility per day (including conversion factors used for any materials not weighed); the average tonnage per week (calculated over a 7 day period); and the quantity of finished compost (or other material) shipped off site per week including compost overs (in cubic yards) transferred to the adjacent landfill.	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) Log nuisances, complaints including the time, source (name of company if commercial source) type of feedstock, nuisance condition (i.e. odorous, litter or municipal solid waste, other); and final disposition of waste load.	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 hazardous waste load checking program, including quantities and types of hazardous wastes, medical wastes or otherwise prohibited wastes found in the waste stream and the disposition of these materials.	Quarterly *	LEA **
6) Report all verbal and written complaints regarding the facility and the operator's actions taken in response to the complaint. Notify the LEA within one business day of the action taken. Copies of all written complaints and each operator generated report for a verbal complaint regarding the Facility, and a summary of the operator's actions taken to resolve each complaint.	Within 1business day of receipt *	LEA *
7) Calculate and report the number of vehicles entering the property per day of operation.	Monthly*	LEA **
8) 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.	Available at the site upon request	LEA **
9) 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. food waste, green waste, other); amendment, additives and bulking agents; identify active windrows, Article 7 Materials and finished product. A site plan will show roads, structures, storm water drainages and leachate collection ponds or areas.	Semi-Annual*	LEA **
10) Daily monitoring of weather data: temperature, wind speed and direction, weather conditions. Temperature monitoring and turning records for all windrows, Aerated Static Piles (ECS) active, and stored compost.	Available on-site *	LEA **
11) An employee training log with dates of training, course descriptions, etc, shall be maintained and kept current.	Available on site **	LEA **
12) Submit a report on Aerated Static Pile (ECS) on odor complaints and Air Emission tests.	Annual *	LEA **
	* Reporting due by the 25th of the month following the end of the reporting period, or else when due as specified by the Enforcement Agency.	**Plus reporting to all other regulatory authority with jurisdiction at the facility.

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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 comply with all State Minimum Standards of Solid Waste Handling set forth in Title 14, Division 7, Chapter 3.1 (commencing with Section 17850) of the California Code of Regulations. .

2. The operator shall maintain a copy of this Compostable Handling Materials Facility Permit, the Report of Composting Site Information, Odor Impact Minimization Plan, and other governing documents at the facility and to be available to enforcement agency, or Cal Recycle personnel. The operator shall maintain and make available upon request for inspection for the enforcement agency and Cal Recycle all correspondence and reports provided to other regulatory agencies that have jurisdiction over design and operation of the facility.

3. The operator shall be responsible for identifying the types of feedstock accepted for processing which includes green, agricultural and food materials consistent with Title 14 CCR, 17852.

4. The operator shall maintain a copy of each written complaint and each operator-generated report for a verbal complaint regarding this facility, and a summary of the operator's actions taken to resolve each complaint. Odor complaint response shall be reported to the LEA in accordance with approved Odor Impact Minimization Plan.

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 material. Proper handling includes, but is not limited to the handling/processing of the compostable material to limit or prevent offsite odor impacts.

9. Food waste feedstock shall be processed and placed in windrows/zones or transported offsite within 24 hours. Green waste feedstock shall be processed and placed in windrows 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. All incoming feedstock shall be tipped and stored only on a pad of impervious surface.

11. The operator shall maintain a current list of available back-up equipment in the event of equipment failure.

12. All odor controlling devices shall be maintained in working order, as specified in the approved RCSI.

13. Grinding and screening operations shall not occur during high wind conditions and be conducted in a manner that will not create off-site impacts.

14. Only non-hazardous odor neutralizers shall be used for odor control, as specified in the approved Odor Impact Minimization Plan. A copy of the current Material Safety Data Sheet (MSDS) for the odor neutralizers shall be made available for review.

15. All windrow piles of compostable material that are stored on site shall be clearly identified and tracked.

16. 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

17. LEA Conditions

17. This permit supersedes the previous solid waste facility permit.

18. 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.

19. The LEA reserves the right to require additional measures as needed to adequately control nuisances resulting from composting operations.

20. The permit is subject to review by the LEA and can be temporarily suspended or revoked by the LEA for sufficient cause, in accordance with Division 30 of the Public Resources Code, Part 4, Section 4, Article 2, Sections 44305 et seq.

21. Under no circumstances shall the operator make changes in operations without written approval of Solano County LEA. Any significant change as determined by the LEA will require a revision of this permit with concurrence by Cal Recycle.

22. Recology Hay Road (48-AA- 0002) can use 5.4 acres of the compost footprint located immediately south of DM-9 for the drying of biosolids in a Land Treatment Unit from April 15- October 15 each year. At the end of this each drying period, the drying area shall be tested for constituents of concern and when the drying area is longer going to be used, it shall be clean closed as specified in CCR Title 27 Section 21420.

23. Recology Hay Road (48-AA-0002) is allowed to use Article 7 management material area for recycling as outlined in the approved RCSI.

24. The maximum permitted daily tonnage for this facility is 600 tons per day averaged over 7 days with peak of 750 tons per day and the operator shall not receive more than this amount without a revision of this permit. Recyclable materials utilized for beneficial re-use shall not be counted towards the permitted tonnage limit.

25. The facility is subject to limitations on tonnages and/or feedstock in any administrative order issued by the LEA.

26. 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 Contac t person, and the phone number where the operator can be reached in case of emergency or to file a complaint.

27. A Compliance Officer (CO) shall be designated to oversee the facility materials tracking system from inbound feedstock through final product stages to prevent or minimize 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.