SOLID WASTE FACILITY PERMIT

Facility Number: 21-AA-0068

1. Name and Street Address of Facility:	2. Name and Mailing Address of Operator:	3. Name and Mailing Address of Owner:
WM EarthCare of Marin 8950 Redwood Highway Novato, CA 94945	Redwood Landfill, Inc. P.O. Box 793 Novato, CA 94948	Redwood Landfill, Inc. P.O. Box 793 Novato, CA 94948

4. Specifications:

a. Permitted Operations: [X] Compostable Material Handling Facility

b. Permitted Hours of Operation:

Public: M – F, 7:00 am – 3pm and Sat, 8:00 am - 3:30 pm

Commercial Haulers: (except sludge haulers) M - F, 12:00 am – 3:00 pm and Sat, 12:00 am - 3:30 pm and 12 am - 12pm on Memorial Day, July 4, Labor Day, Thanksgiving

Closed to public and commercial haulers: Sundays, New Year's Day, Christmas Day

Sludge Haulers: M – Sun, 24 hours per day except New Year's Day and Christmas Day

Composting Operations: 24 hours per day except New Year's Day and Christmas Day

c. Permitted Maximum Tonnage: **514 Tons Per Day Total Compostable Materials Permitted to be Received per Day**

d. Permitted Traffic Volume: **662 Total Daily Vehicles Entering Site, which includes landfill traffic as well as composting facility traffic.**

e. Key Design Parameters (Detailed parameters are shown on site plans bearing EA and CalRecycle validations):

	Total	Disposal	Transfer/Processing	Composting	Transformation
Permitted Area (in acres)	35.2	N/A	N/A	35.2	N/A
Design Capacity (cu.yds)		N/A	N/A	300,000 cubic yards	N/A
Max. Elevation (Ft. MSL)		N/A			
Max. Depth (Ft. MSL)		N/A			
Estimated Closure Year		N/A			

Upon a significant change in design or operation from that 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 previously issued solid waste facility permit.

5. Approval:	6. Enforcement Agency Name and Address:
Rebecca Ng, Local Enforcement Agency	Marin County Environmental Health Services 3501 Civic Center Drive, Room 236 San Rafael, CA 94903
7. Date Received by CalRecycle: OCT 30 2013	**8. CalRecycle Concurrence Date:**

9. Permit Issued Date:	10. Permit Review Due Date:	11. Owner/Operator Transfer Date:

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12. Legal Description of Facility: APN 125-16-13
Section 30 T4N R6W diablo Meridian – PARCEL ONE, as shown upon that certain map entitled "Parcel Map of Redwood Landfill", filed for record August 25, 2003 in Volume 2003 of Maps, at page 197, Marin County Records, EXCEPTING any portion of the described property within the natural bed of San Antonio Creek and in the natural bed of any tidal slough below the elevation of ordinary high tide where it was located prior to any artificial changes.

The 35.2-acre Compostable Materials Handling Facility is included within the Legal Description of the 420-acre Redwood Landfill.

13. Findings:

a. This permit is consistent with the Marin County Integrated Waste Management Plan, which was approved by the CIWMB in April 1998. The location of the facility is identified in the Non-disposal Facility Element, pursuant to Public Resources Code (PRC), Section 50001(a).

b. This permit is consistent with the standards adopted by CalRecycle (previously the CIWMB), 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 enforcement agency, pursuant to PRC 44009.

d. The **Novato Fire Protection District** has determined that the facility is in conformance with applicable fire standards, pursuant to PRC, 44151.

e. A Final Environmental Impact Report was filed with the State Clearinghouse (SCH #1991033042) and certified by Marin County Environmental Health Services on June 10, 2008. An Addendum to the FEIR was adopted by Marin County Environmental Health Services on September 30, 2013. The Addendum describes and supports the design and operation which will be authorized by the issuance of this permit.

f. The owner/operator has agreed to comply with the mitigation measures as described in the Mitigation Monitoring and Reporting Program dated May 7, 2013.

14. Prohibitions: The permittee is prohibited from accepting the following materials for composting:
Hazardous, radioactive, medical (as defined in Chapter 2, Division 104 of the Health and Safety Code), liquid, designated, or municipal solid waste; treated wood (as defined in Chapter 6.5, Division 20 of the Health and Safety Code) or wood treated with lead-based paint; hot ashes/burning materials.

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

	Date		Date
Report of Composting Site Information	July 17, 2013	BAAQMD Major Facility Review Permit, Facility #A1179	April 5, 2012
Waste Discharge Requirements Order No. R2-2009-0053	July 14, 2009	CEQA Findings	Sept 30, 2013
BAAQMD Permit to Operate, Plant #1179	Jan. 1, 2013	BAAQMD Authority to Construct	July 18, 2012
Final Environmental Impact report (SCH #1991033042)	June 10, 2008	Complete SWFP Application	October 16, 2013
Addendum FEIR (SCH #1991033042)	Sept 30, 2013	SWRCB Industrial Activities Storm Water General Permit	May 1, 1997
Mitigation Monitoring & Reporting Program	May 7, 2013	Odor Impact Minimization Plan	July 25, 2013

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16. Self Monitoring:

The owner/operator shall submit the results of all self monitoring programs to the Enforcement Agency within 30 days of the end of the reporting period *(for example, 1st quarter = January – March, the report is due by April 30, etc.. Information required on an annual basis shall be submitted with the 4th quarter monitoring report, unless otherwise stated.)*

Where noted, the results need not be sent to the LEA. They shall be retained on the Facility's premises for a minimum of three (3) years and made available for review upon request.

Program	Reporting Frequency
a. The types and quantities (in tons) of compost feedstock received each day.	Quarterly
b. The number of vehicles utilizing the compostable materials handling facility per day of operation.	Quarterly
c. Logs and reports of all complaints regarding the facility and the operator's action(s) taken in response to the complaints.	Quarterly
d. Logs and reports of all shutdowns other than the closed days specified in this permit. (Please refer to Condition L.)	Quarterly
e. Logs of special or unusual occurrences and the operator's action(s) taken to correct/resolve the problem.	Quarterly
f. The total volume of all compost feedstock, active, curing and finished compost on –site.	Quarterly
g. Records of random load checks pursuant to Condition T.	Available Upon Request
h. An employee training log with the dates of training, course descriptions, etc., shall be maintained and kept current.	Available Upon Request
i. Records of quantities and length of time materials for composting are stored on-site before being processed.	Quarterly
j. Results of Covered Aerated Static Pile temperature readings.	Quarterly
k. Results of laboratory testing for pathogen and metal concentrations per Title 14, CCR, Sections 17868.2 and 17868.3.	Quarterly
l. Records of quantities of compost disposed at the site or another site and the reason it was disposed.	Available Upon Request
m. The types and quantities of residuals resulting from the on-site processing of compostable materials that are landfilled.	Quarterly

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17. Enforcement Agency (EA) Conditions:

A. The operator shall comply with all applicable State Minimum Standards for Compostable Materials Handling Operations and Facilities as specified in Title 14, California Code of Regulations (CCR).

B. 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, failure of finished compost to meet Title 14, CCR pathogen/metals standards, 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 the LEA at all times.

C. Additional information concerning the design and operation of the facility shall be furnished upon request and within the time frame specified by the LEA.

D. The maximum permitted daily tonnage received at this facility is **514 tons per day**, and the facility shall not receive more than this amount without a revision of this permit. Feedstock is limited to green material (including yard waste and untreated wood waste), Class B biosolids, food material, and agricultural material. The maximum volume of compost feedstock, active, curing and finished compost that may be stored on-site at any one time is **300,000 cubic yards**.

E. This permit is subject to review by the LEA and may be temporarily suspended or revoked at any time by the LEA for sufficient cause, in accordance with Division 30 of the Public Resource Code, Part 4, Chapter 4, Article 2, Sections 44305 et seq. and associated regulations.

F. The LEA reserves the right to suspend or modify composting operations when deemed necessary due to an emergency, a potential health hazard, or the creation of a public nuisance.

G. Any change that would cause the design or operation of the facility not to conform to the terms and conditions of this permit is prohibited. Such a change may be considered a change requiring a permit modification or revision. In no case shall the operator implement any change without first submitting a written notice of the proposed change, in the form of an RCSI amendment, to the LEA at least 180 days in advance of the change.

H. The owner/operator shall maintain copies of the inspection reports and permits issued by the LEA and other regulatory agencies at the facility. The operator shall also maintain copies of the Compostable Materials Handling Facility Permit (CMHFP), the Mitigation Monitoring and Reporting Program (MMRP), the Report of Composting Site Information (RCSI), and the Odor Impact Minimization Plan (OIMP) at the facility so as to be available at all times to facility personnel, LEA personnel, and other regulatory agencies.

I. The operator shall comply with all mitigation and monitoring measures that govern the design and operation of the solid waste facility developed in accordance with any certified environmental documents filed pursuant to Public Resources Code (PRC) Section 21081.6. The LEA, under this permit, will enforce only those mitigation measures of the Mitigation Monitoring and Reporting Program (MMRP) that the LEA has the authority to enforce under the Public Resources Code, Titles 14 and 27 of the California Code of Regulations, and other applicable regulations.

J. During the hours of operation for composting activities, an attendant or attendants shall be present at all times to supervise the loading and unloading of compostable materials and the loading of finished compost.

K. The operator shall maintain records of all materials composted by weight or volume and material type.

L. The operator shall notify the LEA at least 48 hours prior to scheduled shutdowns and within one hour of unscheduled shutdowns. A log of these shutdowns shall be maintained and available at all times.

M. The operator shall provide safety training, protective equipment, work-safe practices, and policies and procedures for all employees and workers at the facility.

N. The Odor Impact Minimization Plan (OIMP) shall be reviewed by the operator annually to determine if any revisions are necessary.

O. The OIMP shall be revised to reflect any changes in design and operation, and the proposed changes shall be provided to the LEA in the form of an RCSI Amendment.

P. All laboratory analyses of finished compost shall be performed by a California State-certified laboratory. The results of the analyses shall be provided to the operator by the laboratory before the compost is removed from the site. As specified in Title 14, CCR, Chapter 3.1, Article 7, Section 17868.1, no compost shall leave the premises of the facility without meeting the metal concentration limits specified in Section 17868.2 and the pathogen reduction requirements specified in Section 17868.3. Verification of the pathogen reduction and metal requirements shall occur prior to removal of the compost from the site.

Q. Compost that contains metals or pathogens in amounts that exceed the maximum acceptable metal and/or maximum acceptable pathogen concentrations shall be designated for disposal, or additional processing until it meets acceptable levels.

R. Covered Aerated Static Piles (CASP) or windrows shall be constructed and handled in a manner that limits the attraction of birds, animals, or vectors to the site.

S. If nuisance conditions develop with the compostable materials, immediate measures shall be taken to mitigate the problem. Records of measures taken to deal with such conditions shall be available to the LEA. If odor abatement cannot be achieved within 24 hours, the material shall be landfilled. Records of such disposal shall be maintained and available for inspection.

T. Random load checks of feedstock, additives, and amendments for contaminants shall be conducted daily. Contaminants shall be removed prior to incorporation in CASP piles or windrows and removed within 24 hours.

U. All green material shall be processed within 72 hours of receipt. All biosolids, manure (an agricultural material) and dedicated loads of food material/loads containing primarily food material shall be processed and incorporated into CASP piles or windrows within 24 hours of receipt. In the event of an equipment breakdown or other unforeseen circumstance that would prevent processing of green material within 72 hours or processing and incorporation of biosolids, manure or dedicated loads/loads containing primarily food material into CASP piles or windrows within 24 hours, material may be stockpiled and covered with finished compost or other suitable materials for no more than seven days, providing that odors, vectors, or other nuisance conditions do not develop. (Refer to Condition S.) Absent such nuisance conditions, if the material cannot be processed and incorporated into CASP piles or windrows within seven days, it shall be landfilled or sent to another facility. Records of such disposal shall be available for inspection.

V. The operator shall maintain a record of all written and oral complaints regarding the facility and the operator's action(s) taken in response to the complaint. The operator shall immediately notify the LEA via e-mail or telephone upon receipt of any odor complaints.

W. This permit supersedes the previous Solid Waste Facility Permit for the composting facility, as described in the 2008 SWFP for Redwood Landfill, SWIS No. 21-AA-0001.

X. The operator intends to utilize the northern, 5.4-acre section of Field 1 for compost curing, storage and screening in the future, after the facility commences operation. It shall not be used for such purposes until/unless all working surfaces contained therein have a hydraulic conductivity of $1x10^{-6}$ or less, as described in the Report of Composting Site Information.