

600 NORTHEAST GRAND AVENUE | PORTLAND, OREGON 97232 2736
TEL 503 797 1700 | FAX 503 797 1797



METRO

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Solid Waste License Renewal Application

Yard Debris Composting Facility



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METRO SOLID WASTE LICENSE RENEWAL APPLICATION PACKET

Issued:
August 2010

This packet contains an application for a Metro Solid Waste Facility License. You may also want to review the relevant sections of the Metro Code. The Metro Code can be accessed via the Metro web site at www.oregonmetro.gov. Solid waste facilities within the Metro boundary generally may operate only under the authorization of a License or Franchise.

Application for a new Solid Waste Facility License

Those wishing to apply for a new Metro Solid Waste Facility License must schedule a pre-application conference prior to submitting a final application form. Applicants should prepare for the pre-application conference by reviewing the application forms and drafting answers prior to the conference with Metro. To schedule the pre-application conference, contact Metro's Solid Waste Compliance and Cleanup Division at (503) 797-1835. The purpose of the pre-application conference is to determine what parts of the Metro Solid Waste Facility Application you will need to submit, and to identify any potential issues specific to your proposal. Applications for new Licenses are generally granted or denied within 120 days of the filing of a complete application. (See Metro Code section 5.01.060.) The fee for filing a license application is \$300.

Renewal of an Existing License

Those wishing to renew an existing authorization without substantive changes to the current authorization must submit a completed *Renewal Application Form*, unless otherwise directed by Metro staff. License renewal applications must be submitted not less than 60 days prior to expiration of the existing license. Failure to submit applications in a timely fashion may result in a lapse of authority to operate. (See Metro Code section 5.01.087.) The fee for filing a license renewal application is \$300.

Change of Authorization to an Existing License

A change in authorization of an existing License requires an application for a formal License amendment. The applicant cannot implement the change of authorization until it has been approved by Metro. (See Metro Code section 5.01.095.) The fee for filing an application for a change of authorization or limits is \$100.

Change of Ownership or Control of an Existing License

To transfer ownership or control of an existing License, an application for a formal License amendment is required. The applicant cannot transfer ownership or control of an existing License until it has been approved by Metro. (See Metro Code section 5.01.090.)



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AUG 5 '14 PM 2:58

MAIL THIS APPLICATION TO:

DATE RECEIVED BY METRO:

Metro Finance and Regulatory Services
Solid Waste Compliance and Cleanup
600 NE Grand Avenue
Portland, OR 97232-2736
(503) 797-1835

Solid Waste License Renewal Application Yard Debris Composting Facility

1. Applicant (Licensee)	
Facility Name:	Sunderland Recycling Facility
Company Name:	City of Portland: Maintenance Ops
Street Address:	9325 NE Sunderland Road
Mailing Address:	2929 N Kerby Ave, Portland OR 97227
City/State/Zip:	
Contact Person:	Jill Jacobsen
Phone Number:	503-823-1146 / 503-823-3500 facility
Fax Number:	503-823-3468
E-mail Address:	Jill.Jacobsen@portlandOregon.gov

2. Licensee's Owner or Parent Company (provide information for all owners)	
Name:	City of Portland
Address:	refer to above
City/State/Zip:	
Phone Number:	
Fax Number:	
E-mail Address:	

3. Land Owner

Is the applicant the sole owner of the property on which the facility is located?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO (If you answer "NO", complete the rest of the information requested in this section and attach a copy of the Property Use Consent Form, signed by the owner(s) of the property.) Form is available at www.oregonmetro.gov .
Name:	Same as on cover page	
Mailing Address:		
City/State/Zip:		
Phone Number:		

4. Description of site activities:

Refer to attached sheets (5 pages.)

5. Anticipated quantity of yard debris and other materials to be accepted monthly and annually.

BY WASTE TYPE:		Weekly Cubic Yards or Tons	Annually Cubic Yards or Tons
• Yard Debris:	Compost:	X	17,052 cu (Average for last 4 years)
	Hogged fuel:		
• Clean Wood Waste:	Compost:	X	
	Hogged fuel:		
• Painted or Treated Wood Waste:	Hogged fuel:		
• Other: (describe)		None	

6. Describe any significant changes in your facility permits, design or operating plans that have occurred since your original license application or any subsequent renewals (attach separate sheet if necessary).

Refer to attached sheets (5 pages)

7. Cost of Closure / Financial Assurance.

Licensee certifies that the cost to implement a closure plan will be less than \$10,000, and requests that the Chief Operating Officer waive the financial assurance requirement for the cost of closure as provided in Metro Code Chapter 5.01.

APPLICANT CERTIFICATION: This form cannot be processed without a signature

I certify under penalty of law that the information contained in this application is true and correct to the best of my knowledge. I agree to notify Metro within 10 days of any change in the information submitted as a part of this application.

SIGNATURE OF AUTHORIZED AGENT Jill Jacobsen

TITLE Program Management

PRINT NAME Jill Jacobsen

DATE 8/4/14 PHONE 503-823-1146

**Sunderland Recycling Facility
9325 NE Sunderland Ave
Portland, Oregon 97211**

**2014 Process Change Notification
(historic information remains in the report, but has been lined out.
New information is in "red".)**

**DEQ Permit No. 1441
METRO License YD-041-09
Contact: Jill Jacobsen, Program Manager
503-823-1146
Jill.Jacobsen@PortlandOregon.gov**

Operational Information

Description of the composting operation:

The City's Bureau of Transportation conducts a fall leaf removal program beginning in late October through mid-December annually. All leaves are transported to Sunderland by City crews in City trucks. The program focuses on picking up the leaves that fall onto the streets in neighborhoods with high concentrations of mature street trees. Street leaf removal helps reduce slippery road conditions, increasing the safety of motorists, pedestrians, and bicyclists. Leaf removal also reduces localized flooding caused by clogged drain inlets. The City infrastructure benefits from the reduced amount of leaves entering storm drains.

~~Leaves are collected from Leaf Depots and neighborhood Leaf Districts. Leaf depots are leaf recycle sites where residents can bring their yard leaves for recycling for a nominal fee.~~

~~Neighborhood leaf removal service is provided in 17 neighborhoods with high concentrations of mature street trees. The leaf drop in these areas is so heavy that it creates hazards for motorists, bicyclists, and pedestrians, and clogs storm drains causing local flooding and deterioration of the road surface. Specially equipped crews are required to pick up the large volume of leaves from the streets in these neighborhoods. Attachment No. 1A is a spreadsheet summary of the leaves collect in the 2009 Leaf Season. Attachment No. 1B illustrates the volume of leaves collected since 2003. The temperature and moisture content of each windrow is monitored every Monday, Wednesday and Friday to determine when to turn windrows to facilitate the composting process.~~

~~Leaves are brought into the facility by City crews and placed in windrows.~~

More than 26 percent of Portland's streets are lined with larger, more mature trees that drop significantly more leaves than the rest of the city. These streets require more equipment and crew-power to clean and maintain, so we've divided them into 30 Leaf Service Zones. City crews collect the street leaves in these zones and transports them the Sunderland Recycling Facility.

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In January 2014, the City purchased a new self-propelled compost turner. This new piece of equipment is larger and much more efficient than the old pull behind unit. The new unit re-establishes the pile, on the other side of the unit, as it turns the compost. Therefore, the facility has moved from windrow stacking of the compost to a double pile approach. By late summer the composting process is complete and the compost is ready to be screened to remove foreign material and to ensure a consistent finished product.

Compost is used by City crews as erosion control and soil amendment. As we generate more than we use, we sell compost to private contractors and the general public. Compost is also blended with screen dirt, from our rock crushing area, to make a blended soil product. This product meets newly developed blended soil specifications developed by the City's Bureau of Environmental Services. The specification was developed for material to be used in stormwater infiltration ponds in the public right-of-way.

Description of all existing or planned structures for managing leachate and stormwater:

The Bureau of Transportation operates the Sunderland Recycling Facility. This approximately 20-acre site is the center for recycling activities for the Maintenance Operation Division. Approximately 12 acres are paved, the remaining portion of the site is landscaped with native plantings. The site is located on the west side of NE Sunderland Avenue and is bordered by Swartz Moving and Storage to the North, the State of Oregon Columbia River Corrections Institute to the South and the Peninsula Drainage Canal dike to the West.

In the fall of 2006 several improvements were made to the facility. These improvements include the installation of two truck scales and the relocation of the truck entrance. These improvements were made to the east side of the facility and the stormwater from this area is not discharged to the constructed wetland. Additional improvements were planned, but have been placed on hold.

Composting Operation

The east half of the paved site (approximately 5.6 acres) is used to process leaf material into compost. Upon completion of the composting process, the material is used for City projects, sold for the manufacture of stormwater filter medium, and to the general public.

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Stormwater, from the composting operation, is collected via four catch basins and is treated by a StormGate Separator™ before being gravity fed to a detention pond. The detention pond discharges to the sanitary sewer. The stormwater from the east side of the site does not enter the storm sewer system. Representatives of the City of Portland' Bureau of Environmental Services' Source Control Division have performed several inspections of the facility and have determined that a discharge permit is not required to discharge this water to the separated sewer system.

Crushing Operation

The west half (approximately 4.5 acres) of the site is the location of an asphalt/concrete crusher. The crusher was moved on-site in July 2002 and is powered by electricity. Asphalt and concrete, removed as part of street and sidewalk improvement projects, are trucked in and stored in concrete block storage bins until crushed. Stockpiles of asphalt, concrete, and dirt that is attached to the asphalt and concrete when it was brought on to the site, are located on this side of the site in various stages of crushing and processing. An air quality permit, source No. 37-0347 ~~with an expiration date of August 1, 2011,~~ has been issued for the rock crusher and is current and the facility is in full compliance.

A screen plant is operated in conjunction with the crusher. In addition to screening material to prep it for the crushing activity, winter storm road sand is processed through the screen plant and stockpiled onsite until needed.

Stormwater runoff generated in the vicinity of the crushing operation and potable water used for dust control, during the crushing process, is collected in a sediment control system located under the crusher. The sediment control system consists of two vaults, in series, and a sedimentation manhole. The collected stormwater is then gravity fed to the 370 linear foot water quality swale that runs the length of the west side of the property and discharges into a constructed wetland. A by-pass valve is in place to divert the water from the wetland to the sanitary sewer if a spill or unusual discharge occurs.

Stormwater from the crusher support area; stock-piles and heavy vehicle traffic, is collected via sheet flow into four catch basins and is treated by a StormGate Separator™ before being gravity fed to the constructed wetland. The wetland discharges to the slough. An NPDES (COLS-1200) permit ~~has been issued.~~ Was issued for the facility in DATE HERE. The facility requested that the permit be rescinded in January 2012, at the direction of Dennis Jurries DEQ's Stormwater Engineer, as there has never been a discharge from the constructed wetland.

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Description of methods to achieve pathogen reduction:

Thermometers with three foot long shafts are placed through out the two piles of compost. The temperatures are read every Monday, Wednesday, and Friday. These temperatures are the primary indicator of when a windrow is turned

~~A thermometer with a three foot long shaft is placed in every windrow after every turning. The temperatures are read every Monday, Wednesday, and Friday. These temperatures are the primary indicator of when a windrow is turned. Attachment No. 2 is a copy of the current temperature log.~~

Sunderland is a member of the United States Compost Council and its' Seal of Testing Assurance Program (STA). Per STA requirements, Sunderland's compost is monitored every other month for maturation, pH, inert material, pollutants, and pathogens.

Description of methods to achieve vector control:

The Conditional Use approval for the Sunderland Recycling Facility requires the development of a Nuisance Mitigation Plan. The implementation of this Plan fulfills the requirements listed in the City Code 33.254.060. The vector control section of the Plans states that the following steps will be followed:

- Diligent routine housekeeping is performed to reduce the vectors.
- With leaves as the only feedstock, food sources for rodents are not available on-site.
- The stormwater detention pond is aerated to reduce the breeding potential for mosquitoes.
- The Facility is included in the Multnomah County Vector Control spray program for mosquitoes.

Seasonal variations in the operation of the facility

The seasonal variation in the operation of the facility was included in the first section of this application; Description of the composting operation.

Contact Information

Jill Jacobsen
Program Manager
503-823-1146
jill.jacobsen@portlandoregon.gov

Facility's scale house: 503-823-3500
Bureau of Transportation's 24/7 Radio Room: 503-823-1700

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Operation and compliance history

In 1996 the Bureau of Transportation purchased the current Sunderland Recycling Facility site to combine the composting and rock crushing operations that were being performed at two different sites. In August 2000 a Type III Land Use Review Application was submitted for this facility (00-00566 CU AD). The effective date of the Hearings Officer's decision was December 22, 2000. Compost has been processed at this site since 2001. Sunderland is now and has always been in compliance with all its environmental permits.

Physical Information (Not submitted as part of update. Information on file remains accurate.)

Site schematic (Attachment No.3)
Tax lot map (Attachment No. 4)
Surface water map (Attachment No. 5)
One mile radius map (Attachment No. 6)

Applicant is requesting that DEQ collect(Not requested as part of update. Information on file remains accurate.)

- Groundwater aquifer data
- Leachate and stormwater produced at the facility. Sunderland participated in the stormwater and leachate monitoring that was conducted as part of the Rule Development Process for the new compost rules. Stormwater data should be on file at DEQ.
- Soil types
- Well logs
- Prevailing wind directions