



SUBMIT THIS APPLICATION TO:

Metro
Solid Waste Compliance & Cleanup
600 NE Grand Avenue
Portland, OR 97232-2736
Tel: (503) 797-1835
Fax: (503) 813-7544
SWCC@oregonmetro.gov

DATE RECEIVED BY METRO:

MAR 1 '16 RCVD

DATE DEEMED COMPLETE BY METRO:

MAR 21 '16 RCVD

Solid Waste Facility License Application

PART 1 - Standard License Application Information

Applicants applying to operate a solid waste facility must provide the following information:

1. Type of Application (please check one)	
<input type="checkbox"/>	New license Date of Pre-Application Conference: _____
<input checked="" type="checkbox"/>	Renewal of an existing license Solid Waste Facility license No. <u>L-026-13A</u>
<input type="checkbox"/>	Change of authorization to an existing license (other than a renewal) Please describe the proposed change below in Section 3.
<input type="checkbox"/>	Transfer of ownership or control of an existing license

2. Type of facility (please check one)	
<input type="checkbox"/>	Non-putrescible (dry) waste material recovery facility
<input type="checkbox"/>	Source-separated food waste reload facility
<input type="checkbox"/>	Yard debris reload facility
<input type="checkbox"/>	Other solid waste reload facility
<input checked="" type="checkbox"/>	Yard debris composting facility

3. If seeking a change of authorization to an existing license, please explain the proposed change below (attach additional pages if necessary). Complete all remaining sections of this form as they pertain to the request.

4. Applicant (Licensee)

Facility Name:	MCFARLANE'S BARK, INC.
Company Name:	MCFARLANE'S BARK, INC.
Street Address:	13345 SE JOHNSON ROAD
Mailing Address:	13345 SE JOHNSON ROAD
City/State/Zip:	MILWAUKEE OR 97222
Contact Person:	KATHLEEN MCFARLANE WHITE
Phone Number:	503-659-4240
Fax Number:	503-659-0237
E-mail Address:	Kmcfarlane@mcfarlanesbark.com

5. Licensee's Owner or Parent Company (provide information for all owners)

Name:	MCFARLANE'S BARK, INC.
Mailing Address:	13345 SE JOHNSON ROAD
City/State/Zip:	MILWAUKEE OR 97222
Phone Number:	503-659-4240
Fax Number:	503-659-0237
E-mail Address:	Kmcfarlane@mcfarlanesbark.com

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORMWATER DISCHARGE PERMIT

Department of Environmental Quality
811 S.W. Sixth Avenue, Portland, OR 97204
Telephone: (503) 229-5630 or 1-800-452-4011 toll free in Oregon
Issued pursuant to ORS 468B.050 and The Federal Clean Water Act

ISSUED TO: 9/18/2012 GEN12Z Clackamas County/NWR
File Number: 110259 EPA Number: ORR603374

McFarlane's Bark, Inc.
13345 SE Johnson Rd.
Milwaukie, OR 97222-1270

Site: McFarlane's Bark, Inc.

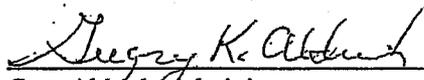
SOURCES THAT ARE REQUIRED TO OBTAIN COVERAGE UNDER THIS PERMIT.

A facility that may discharge stormwater from a point source to surface waters or to conveyance systems that discharge to surface waters of the state and

- 1) The stormwater is associated with an industrial activity identified in *Table 1: Sources Covered* on p. 3; or
- 2) The facility is notified in writing by the Director that coverage under this permit is required for its stormwater discharges (see Note 1 below).

Note 1:

- 1) Facility is designated by the Director as needing a stormwater permit pursuant to 40 CFR §122.26(a)(9)(i)(D). Facility discharges stormwater associated with an industrial activity that is not described in *Table 1: Sources Covered* on p. 3 below.
- 2) Facilities may apply for conditional exclusion from the requirement to obtain coverage under this permit if there is no exposure of industrial activities and materials to stormwater pursuant to 40 CFR §122.26(g); see Permit Coverage and Exclusion from Coverage on p. 5 below.
- 3) The following activities are not required to obtain coverage under this permit:
 - (i) Construction activities; asphalt mix batch plants; concrete batch plants; and Standard Industrial Classification code 14, Mining and Quarrying of Nonmetallic Minerals, Except Fuels, and industrial stormwater discharges to the Columbia Slough Watershed or to conveyances leading to the Columbia Slough. These activities are required to obtain coverage under separate general permits.
 - (ii) Any source that has obtained an individual NPDES permit for the discharge, unless the source is otherwise eligible for coverage under this permit and DEQ has approved the source's application for coverage under it.
 - (iii) Any source that discharges to a sanitary sewer system and the discharge is approved by the sanitary sewer operator.


Greg Aldrich, Administrator
Water Quality Division

Issuance Date: Oct. 1, 2011
Amended Date: March 28, 2012

6. Site Operator (if different from Licensee)

Company Name:	MCFARLANE'S BARK, INC
Contact Person:	KATHLEEN MCFARLANE WHITE
Street Address:	13345 SE JOHNSON ROAD
Mailing Address:	13345 SE JOHNSON ROAD
City/State/Zip:	MILWAUKIE, OR 97222
Phone Number:	503-659-4240
Fax Number:	503-659-0237
E-mail Address:	kmcfarlane@mcfarlansbark.com

7. Site Description

Tax Lot(s):	202, 400, 402, 890 & 891	Section:	22 E05A7	Township:	25	Range:	2E
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B. Land Use

Present Land Use Zone:	LIGHT INDUSTRIAL	
Is proposed use permitted outright?	<input checked="" type="checkbox"/> Yes If yes, attach a copy of the <i>Land Use Compatibility Statement</i> (see Attachment E).	<input type="checkbox"/> No
Is a conditional use permit necessary for the facility?	<input type="checkbox"/> Yes If yes, attach a copy of the <i>Conditional Use Permit</i>	<input checked="" type="checkbox"/> No
Are there any land use issues presently pending with the site?	<input type="checkbox"/> Yes If yes, please explain the land use issues below.	<input checked="" type="checkbox"/> No
Description of the pending land use issues identified above:		
Are any permits required from the Oregon Department of Environmental Quality (DEQ)?	<input checked="" type="checkbox"/> Yes If yes, please list all DEQ permits below and attach copies with this application (see Attachment G). STORMWATER DISCHARGE PERMIT	<input type="checkbox"/> No

Listing of all required DEQ permits:	STORM WATER DISCHARGE PERMIT	
Are any other local permits or building codes required?	<input type="checkbox"/> Yes If yes, please list all other required permits below and attach copies with this application (see Attachment H).	<input checked="" type="checkbox"/> No
Listing of other required permits:		

9. Land Owner		
Is the applicant the sole owner of the property on which the facility is located?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No If no, please complete this section and attach a completed Property Use Consent Form (see Attachment F).
Property Owner:	MARJORIE McFARLANE	DAN McFARLANE
Mailing Address:	13345 SW JOHNSON ROAD	1515 WINDSOR DRIVE
City/State/Zip:	MILWAUKIE, OR 97222	GLADSTONE OR 97027
Phone Number:	971-409-0081	503-522-8009

10. Public/Commercial Operations		
Will the facility be open to the public (i.e., non-commercial self-haul customers)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Will the facility be open to non-affiliated commercial solid waste collectors?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Will the facility be open to waste from outside the boundary of Metro?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

11. Operating Hours and Traffic Volume			
	Public (non-commercial self-haul)	Commercial Affiliated	Commercial Non-Affiliated
Operating Hours	SEE ATTACHMENT	A	
Estimated Vehicles Per Day			

McFarlane's Bark, Inc.

13345 SE Johnson Road, Milwaukie, OR 97222
503-659-4240 www.mcfarlanesbark.com

Milwaukie Store Hours	
Summer Hours	
April through September	
Monday - Saturday 7 am - 6 pm	Sunday 8 am - 5 pm
Winter Hours	
October, November & March	
Monday - Saturday 8 am - 5 pm	Sunday 9 am - 4 pm
December through February	
Monday - Saturday 8 am - 5 pm	Sunday CLOSED

8806 NE 117th Avenue, Vancouver, WA 98662
360-892-6125

Vancouver Store Hours	
Summer Hours	
April through September	
Monday - Saturday 8 am - 6 pm	Sunday 8 am - 5 pm
Winter Hours	
October, November & March	
Monday - Saturday 8 am - 5 pm	Sunday 9 am - 4 pm
December through February	
Monday - Saturday 8 am - 5 pm	Sunday CLOSED

HOLIDAY HOURS: Closed Easter Sunday, Open 8 to Noon on July 4th, Open 8 to One on Thanksgiving Day. Open 8 to Noon on Christmas Eve Day, Closed on Christmas Day and Closed on New Year's Day

R **Accepting:**

E Brush, Grass (non odiferous-less than one week old), Sod - cut with sod cutter/without plastic mesh),

Y Trees, Leaves, Stumps, Sawdust, Chips; Vegetation.

C Pallets, Clean Sawmill Cut Wood (nails and staples ok ~ no: paint, treatments, varnishes or stain, no brackets or other hardware)

L Concrete, Rock, Sand, Brick, Asphalt and Granite (no dirt, no wood, no paper)

I Loads must be presorted as there is not space for sorting a mixed load on site.

N We appreciate your patronage as we do depend upon it.

G There are places that accept grassy odiferous loads and other materials call: Metro 503-234-3000

12. Inbound Waste/Feedstock by Type

Identify the types of waste/feedstock and annual tonnage amounts of each that are expected to be received at the facility. Also, identify how each waste stream will be managed, the expected tip fees that will be posted at the facility, and estimate of typical length of time required to process each waste stream (attach additional pages if necessary).

Waste/Feedstock Type	Accepted at Facility	Expected Annual Tonnage Amount	Type of Activity to be Performed on Waste	Expected Tip Fee (per Ton)	Estimate the maximum and typical lengths of time required to process each day's receipt of each waste/feedstock type
Source-Separated Wood:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6,000	GRAND FOR BIO FUEL	\$10 PER YARD	1 WEEK
Source-Separated Yard Debris:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	59,000	GRAND AND COMPOSTED	\$10 PER YARD	2 TO 3 MONTHS
Source-Separated Residential Food Waste Mixed with Yard Debris:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Source-Separated Commercial and other Food Waste:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Inerts (e.g., rock, concrete, etc.):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	LEAD			2 TO 3 WEEKS
Non-putrescible (dry) waste:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Source-Separated Recyclables:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	200	METALS	TRANSFERRED TO RECYCLER \$10 YARD	R.S. DAVIS CO. 2 TO 3 MONTHS
Special Wastes (please specify):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Petroleum Contaminated Soil:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Putrescible (wet) waste:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Other Waste/Feedstocks (please specify):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10,050	GRASS (WARRMS) VEGETATION	\$10. YARD	2 TO 3 MONTHS
Other Waste/Feedstocks (please specify):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				

13. Inbound Waste/Feedstock by Generator

Identify the expected annual tonnage amount of waste/feedstock that will be received and recovered at the facility from the following types of generators.

Generator	Tons Received	Tons Recovered	Tons Residual
Agricultural:			
Commercial:			
Industrial:			
Residential:			
TOTAL TONS:			

14. Outbound Waste, Products, and By-Products

List the expected destination and amount of each type of outbound solid waste, products or by-products to be transferred from the facility (attach additional pages if necessary).

Destination Site	Waste/Product/By-Product Type	Expected Annual Tonnage	Purpose of Delivery*

**For example: disposal, recovery, land reclamation, beneficial use, etc*

13. Inbound Waste/Feedstock by Generator

Identify the expected annual tonnage amount of waste/feedstock that will be received and recovered at the facility from the following types of generators.

Generator	Tons Received	Tons Recovered	Tons Residual
Agricultural:	10,000	10,000	—
Commercial:	39,000	38,600	400
Industrial:	—	—	—
Residential:	26,700	26,400	300
TOTAL TONS:	75,700	75,000	700

14. Outbound Waste, Products, and By-Products

List the expected destination and amount of each type of outbound solid waste, products or by-products to be transferred from the facility (attach additional pages if necessary).

Destination Site	Waste/Product/By-Product Type	Expected Annual Tonnage	Purpose of Delivery*
McFARLANE'S VANCOUVER YARD	CONVO-STUFF	8,000	BENEFICIAL
McFARLANE'S MILWAUKIE YARD	CONVO-STUFF	31,000	BENEFICIAL
* WASHINGTON	WOOD WASTE HOG FIBRE	5,000 GREEN TON	ENERGY RECOVERY
* OREGON	WOOD WASTE HOG FIBRE	10,000 GREEN TON	ENERGY RECOVERY
Amended 3/21/16 - see email attached			

*For example: disposal, recovery, land reclamation, beneficial use, etc

* ENERGY RECOVERY

15. Subcontractors

Provide the name, address and function of all subcontractors involved in the facility operations:

NAME	ADDRESS	FUNCTION

PART 2 - Standard Attachments to License Application (License application continued)

- All of the following attachments (Attachments A - I) are required for new applications and must be submitted in order for a license application to be considered complete. Each attachment must be clearly labeled.
- Application submittals such as facility design, building plans, site plans and specifications must be prepared, as appropriate, by persons licensed in engineering, architecture, landscape design, traffic engineering, air quality control, and design of structures.
- Applicants seeking to renew an existing license without substantive changes to the current authorization may defer to previously submitted documents if Metro has the most current version of all attachments (Attachments A- J) on file, unless otherwise directed by Metro staff. Applicant's initials and date are required for each deferred attachment. To confirm current documentation on file with Metro, please contact Metro's Solid Waste Compliance & Cleanup Division at (503) 797-1835 or via email at SWCC@oregonmetro.gov.

ATTACHMENT A: SITE PLAN

The applicant must submit a facility site plan that includes scaled maps and drawings showing the location of the facility at an appropriate scale, and no smaller than one inch equals 30 feet. The following information must be provided on the site plan:

- (1) The location of the facility on a tax lot map.
- (2) Boundaries of the facility and property including all tax lots.
- (3) All buildings on the property (existing and proposed) and other pertinent information with respect to the operation of the facility, to include:
 - a) scale and scale house location
 - b) fencing and gates
 - c) access roads
 - d) paved areas
 - e) vegetative buffer zones and berms
 - f) sorting line and other major materials recovery equipment
- (4) All exterior stockpile footprints, material types stored outside, and the maximum height of each exterior material stockpile.

- (5) Identify water sources for fire suppression.
- (6) Identification of on-site traffic flow patterns.
- (7) Facility signage. Facility signs must display all of the information required by Metro and be posted at all public entrances to the facility, and in conformity with local government signage regulations.
- (8) All receiving, processing, reload and storage areas, as applicable, for solid waste, source-separated recyclable materials, yard debris, recovered materials, product/by-products, waste residuals, exterior stockpiles, hazardous waste, and other materials.
- (9) Load checking areas (as applicable).
- (10) Inadvertently received prohibited waste storage areas for temporary containment while awaiting proper removal and disposal. Containment areas shall be covered and enclosed and constructed to prevent leaking and contamination.
- (11) The location of all commercial and residential structures within a one mile radius of the facility, identified on a map or aerial photograph.
- (12) The prevailing wind direction, by season, identified on a map or aerial photograph (compost facility only).

FACILITY RENEWALS:

I certify that to the best of my knowledge, the Site Plan on file with Metro dated December 2014 is the most current and accurate version of this document.

Initial here: KMK Date: 2/29/16

*Amended to
December 2012
see email attached*

ATTACHMENT B: FACILITY DESIGN PLAN AND REPORT

The applicant shall submit a facility design plan and report that address the following:

(1) Submit a narrative that includes a description of the following:

(1.1) All Facilities

- a) Facility overview.
- b) Facility design and technology.
- c) Buildings and major equipment (existing and proposed).
- d) Construction timeline (as applicable).
- e) Types of wastes to be processed.
- f) Residuals management.

(1.2) Compost Facilities Only (in addition to the items listed above in Subsection (1.1))

- a) Feedstock receiving procedures.
- b) Feedstock pretreatment and contaminant removal procedures and equipment (as applicable).
- c) Feedstock processing details and methods. Dewatering and liquids management (as applicable).
- d) Pathogen reduction / control procedures (as applicable).
- e) Monitoring, quality control and testing (as applicable).

(2) Dust, odor, airborne debris and litter.

- a) Submit a proposed design or existing design plan that identifies the location of all areas for load checking, receiving/tipping, mixing, processing, reloading, and storage for all materials.
 - o **Compost facility only:** Also, provide locations for compost/curing piles/windrows, aeration systems including bio-filters or enclosed structures to prevent odors from being detected offsite.
- b) Describe control measures to prevent odors, fugitive dust, airborne debris and litter. Describe how the facility design will provide for shrouding and dust prevention for the receiving area, processing area, storage area, reload area, and all waste processing equipment and all conveyor transfer points where dust is generated.

(3) Fire prevention.

Submit proof of compliance with local and state fire codes.

(4) Adequate vehicle accommodation.

Provide documentation to demonstrate that there is an adequate on-site area at the facility's entrance, scales, loading and unloading points and exit points shall be provided to allow the number and types of vehicles expected to use the facility during peak times to safely queue off the public roads and right-of-way.

(5) Water contaminated by solid waste and solid waste leachate.

Submit a DEQ (or equivalent) approved plan with pollution control measures to protect surface and ground waters, including runoff collection and discharge and equipment cleaning and washdown water.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the Facility Design Plan and Report on file with Metro dated 5/21/13 is the most current and accurate version of this document.

Initial here: KMCF Date: 5/21/13 2/29/16

ATTACHMENT C: OPERATING PLAN

The applicant is required to develop and submit an operating plan for review and approval by Metro. This section lists the procedures that must be included in the required facility operating plan. A proposed facility operating plan must be submitted with the completed license application subject to any additional elements as required in the license - if one is approved and issued. The operating plan shall describe at a minimum:

- (1) The types of solid wastes to be accepted and handled at the facility.
- (2) A detailed description of how the facility will further recycling or material recovery processing within the Metro region (as applicable). The description should address each of the following:
 - a) A detailed description of how you will distinguish and manage loads of incoming source-separated recyclables from other materials.
 - b) The steps you will take to recover materials from solid waste. Include the material recovery methods and equipment to be used on site (e.g. sorting lines, hand picking, magnets, etc.).
 - c) How the materials and wastes will be managed and the type of equipment that will be used (from delivery to reload and transport to a processing or disposal facility).
 - d) The general markets for the material recovered at the facility.
 - e) The methods you will use for measuring and keeping records of materials received, recovered from processing, and solid waste disposed - consistent with Metro's reporting requirements.
- (3) Procedures for inspecting loads. The operating plan shall establish:
 - a) Procedures for inspecting incoming loads for the presence of prohibited or unauthorized wastes.
 - b) A set of objective criteria for accepting and rejecting loads.
 - c) An asbestos testing protocol for all material that appears as if it may contain asbestos.
- (4) Procedures for processing and storage of loads. The operating plan shall establish procedures for:
 - a) Processing of all authorized solid wastes.
 - b) Reloading and transfer of authorized solid wastes.
 - c) Managing stockpiles.
 - d) Storing authorized solid wastes
 - e) Minimizing storage times, and avoiding delay in processing and managing of all authorized solid wastes and recovered materials.
- (5) Procedures for rejecting or managing prohibited wastes. The operating plan shall describe procedures for rejecting, managing, reloading and transporting to appropriate facilities or disposal sites any prohibited or unauthorized wastes discovered at the facility. The plan shall include procedures for managing:
 - a) Hazardous wastes.
 - b) Other prohibited solid wastes (e.g., putrescible (wet) waste, special waste, asbestos).
 - c) Procedures and methods for notifying generators not to place hazardous wastes or other prohibited wastes in drop boxes or other collection containers destined for the facility.
- (6) Procedures for odor prevention. The operating plan shall establish procedures for preventing all objectionable odors for being detected off the premises of the facility. The plan must include:
 - a) A management plan that will be used to monitor and manage all objectionable odors of any derivation including malodorous loads delivered to the facility.
 - b) Procedures for receiving and recording odor complaints, immediately investigating any odor complaints to determine the cause of odor emissions, and remedying promptly any odor problem at the facility.
- (7) Procedures for emergencies. The operating plan shall describe procedures to be followed in case of fire or other emergency.

(8) Procedures for preventing and controlling nuisances, including noise, vectors, dust, litter, and odors. Include a description of how you will encourage delivery of waste in covered loads.

(9) Procedures for fire prevention, protection, and control measures used at the facility.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the Operating Plan on file with Metro dated 12/30/14 is the most current and accurate version of this document.

Initial here: KMK Date: 2/29/16

ATTACHMENT D: INSURANCE

Include proof of the following types of insurance, covering the applicant, its employees, and agents:

- (1) The most recently approved ISO (Insurance Services Office) Commercial General Liability policy, or its equivalent, written on an occurrence basis. The policy must include coverage for bodily injury, property damage, personal injury, death, contractual liability, premises and products/completed operations. All insurance coverage must be a minimum of \$1,000,000 per occurrence and \$1,000,000 aggregate.
- (2) Automobile bodily injury and property damage liability insurance must be a minimum of \$1,000,000 per occurrence and \$1,000,000 aggregate.
- (3) Metro, its elected officials, departments, employees, and agents must be named as ADDITIONAL INSUREDS on the Commercial General Liability and automobile insurance policies.
- (4) Certification of Workers' Compensation insurance including employer's liability. If the Licensee has no employees and will perform the work without the assistance of others, a certificate to that effect may be attached in lieu of the certificate showing current Workers' Compensation.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the Insurance on file with Metro dated 3/23/16 ^{EXPIRES} is the most current and accurate version of this document.

Initial here: KMK Date: 2/29/16

ATTACHMENT E: LAND USE COMPATIBILITY STATEMENT (LUCS)

The following information must be provided:

A copy of a completed Metro LUCS or DEQ LUCS. The Metro LUCS is available at www.oregonmetro.gov.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the LUCS on file with Metro dated 10/8/98 is the most current and accurate version of this document.

Initial here: KMK Date: 2/29/16

ATTACHMENT F: PROPERTY USE CONSENT FORM

The following information must be provided:

If required in Part 1 of this application. Form is available at www.oregonmetro.gov.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the Property Use Consent Form on file with Metro dated 5/3/13 is the most current and accurate version of this document.

Initial here: YAC Date: 2/29/14

ATTACHMENT G: DEQ PERMIT APPLICATIONS AND INFORMATION

The following information must be provided:

A duplicate copy of all applications for necessary DEQ permits and any other information required by or submitted to DEQ, including closure plans, financial assurance for the costs of closure of the facility, and conditional use permit or land use compatibility statement, if applicable.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the DEQ permit or applications on file with Metro dated 12/2/11 is the most current and accurate version of this document.

Initial here: YAC Date: 2/29/14

ATTACHMENT H: OTHER REQUIRED PERMITS

The following information must be provided:

A copy of any required federal, state, county, city or other permits, licenses, or franchises that have been granted or issued, not including materials required by Attachment G, or a copy of any applications for such other permits, licenses, or franchises. Copies of correspondence pertaining to such permits, licenses or franchises may be requested.

FACILITY RENEWALS:

I certify that to the best of my knowledge, all other required permits on file with Metro dated _____ are the most current and accurate version of these documents.

Initial here: _____ Date: _____

ATTACHMENT I: CLOSURE PLAN AND FINANCIAL ASSURANCE

The following information must be provided

- (1) If a closure plan and financial assurance are required by DEQ, copies of these documents should be included with the application per Attachment G.
- (2) If DEQ does **not** require a closure plan for the facility, attach a closure document describing closure protocol and associated costs. Closure means those activities associated with restoring the site to its condition prior to engaging in the licensable activity. Closure may include, but is not limited to removal of all on-site solid waste stockpiles accumulated after being issued a Metro Solid Waste

Facility License. The closure plan is the written protocol that specifies the activities required to properly close the facility and cease further solid waste activities.

- (3) If DEQ does **not** require any financial assurance for the costs of closure of the facility, attach proof of financial assurance for the costs of closure of the facility. Cost of closure means the costs associated with restoring the site to its condition prior to engaging in the licensable activity.

These costs may include but are not limited to:

- a) the cost to load and transport accumulated solid waste stockpiles to an authorized disposal site or recycling facility;
- b) the cost to "tip" the waste at an authorized landfill or recycling facility; and
- c) other related costs such as site grading or additional disposal costs associated with restoring the site.

Examples of acceptable forms of financial assurance include, but are not limited to the following: surety bond, irrevocable letter of credit, closure insurance, escrow account.

If the DEQ does not issue a permit or require financial assurance, then the COO may waive the requirement for financial assurance if the applicant demonstrates that the cost to implement the closure plan will be less than \$10,000.

FACILITY RENEWALS:

I certify that to the best of my knowledge, the closure plan on file with Metro dated 12/30/14 is the most current and accurate version of this document.

Initial here: DKF Date: 2/29/16

PUBLIC NOTICE AND CONFIDENTIAL INFORMATION

This application and all of the supporting documentation provided by the applicant is subject to Metro's public notice procedures. Metro will notify and provide the public with an opportunity to review and comment on the proposed application. Such public notice may include, but is not limited to, the posting of the complete application on Metro's website.

The applicant may identify as confidential any reports, books, records, maps, plans, income tax returns, financial statements, contracts and other similar written materials of the applicant that are directly related to the proposed application and that are submitted to or reviewed by Metro. The applicant shall prominently mark any information that it claims confidential with the mark "CONFIDENTIAL" prior to submittal to or review by Metro. Metro shall treat as confidential any information so marked and will make a good faith effort not to disclose such information unless Metro's refusal to disclose such information would be contrary to applicable Oregon law, including, without limitation, ORS Chapter 192.

Within five (5) days of Metro's receipt of a request for disclosure of information identified by the applicant as confidential, Metro shall provide the applicant written notice of the request. The applicant shall have three (3) days within which time to respond in writing to the request before Metro determines, at its sole discretion, whether to disclose any requested information. The applicant shall pay any costs incurred by Metro as a result of Metro's efforts to remove or redact any such confidential information from documents that Metro produces in response to a public records request. These conditions shall not limit the use of any information submitted to or reviewed by Metro for regulatory purposes or in any enforcement proceeding. In addition, Metro may share any confidential information with representatives of other governmental agencies provided that, consistent with Oregon law, such representatives agree to continue to treat such information as confidential and make good faith efforts not to disclose such information.

APPLICANT CERTIFICATION

This application must be signed by an authorized agent of the applicant. Metro will not accept an application 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 Kathleen McFarlane White

TITLE USE PRESIDENT

PRINT NAME KATHLEEN MCFARLANE WHITE

DATE 2/29/16 PHONE 503-659-4240

EMAIL kmcfarlane@mcfarlansbank.com

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OPERATING PLAN

McFarlane's Bark, Inc.

Solid Waste Disposal Permit # 1442

www.mcfarlanesbark.com

Site Location Address:

13345 SE Johnson Road

Milwaukie, Oregon 97222

503-659-4240

Revisions

a. November and December 2014	2.B.6.	Asphalt 8,700 square feet- compost production
b. November 20, 2014	7.g.7 and 8	ADD Modifications to CEC Screen It
c. August 2014	7.g.5.6	ADD Morbark mister-bio filter swale planting
d. March 2014	7.e.	EDITED – REMOVED – “The Morbark grinding A cannon type water hose is placed up about 10 to 12 feet high and is positioned to spray directly into the infeed of the Morbark grinder, thus controlling the ground wood waste debris that is later hauled to the mill and used as bio, fuel. The water spray heads were, etc. CHANGE TO - Grinding Chamber Dust Suppression Unit and overhead misters on The MORBARK Grinders, etc.
e. June 1, 2014 Appendix M.	5.c.5.	ADD - McFarlane’s rerouted all Milwaukie yard packer truck Clients. See Odor Control
f. November 27 th , 2013	5.c.5.	ADD - Waste Connections of Vancouver, Washington made a choice to discontinue hauling curbside collection packer truck loads to McFarlane’s Bark Vancouver yard.
g. August 19 th through September 1 st , 2013	7.g.1.2.3.4	ADD - Evergreen trees were planted on the perimeter of the West and North property lines. Sprinkler system installation.

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BACK GROUND:

McFarlane's Bark, Inc. is a yard debris recycling, wood bi-products, and landscape material wholesale and retail business. Since moving to the current site in 1972, McFarlane's has produced and sold compost, soil, mixes, bark and wood bi-products. Other landscape products have been added as market incentives increased. Throughout our years in business, significant efforts have been initiated to mitigate impacts resulting from activities on site.

As a Commercial Composter in the Portland Metropolitan area since 1965 it is the desire of McFarlane's Bark, Inc. to persevere in our obligation to produce safe, uniform and superior products.

We are proud of our products in that they perpetuate an ever increasing value to our customer.

FACILITY INFORMATION

1. Site Legal Description: Tax Lot numbers: 00202-00400-00402-00802-00803. Section 05 Township 25 Range 2E.
2. Site Description: Approximately 6 acres. The parcel is rectangular, with a rectangular section in size of 50 feet by 200 feet that is cut out on the SE corner; this area is an easement road.
3. Site Statistics
 - o Total Site Area = 272,250 square feet
 - o Paved Area = 168,896 square feet
 - o Roof Area = 8,288 square feet
 - o Main Building
 - o Scalehouse

- West Electrical Shack
 - East Electrical Shack
 - Oil Shack
4. Location: North side of Highway 224 aka The Milwaukie Expressway. At the dead end and furthest north end of SE Johnson Road off of Highway 224, 13345 SE Johnson Road, Milwaukie, Oregon 97222, USA
5. Zoning: I-2 Light Industrial
6. Licenses and Permits:
- Clackamas County Alarm Permit
 - State of Oregon Construction Contractors License
 - DEQ Solid Waste Disposal Site Permit: Yard Debris Composting Facility
 - Regional Metro Service District Government issued Solid Waste Facility License for Yard Debris Composting
 - Oregon Bureau of Labor and Industries Operation of Power Driven Machinery / Equipment
 - Oregon Department of Agriculture E-Scales License
 - City of Portland Business License
 - City of Vancouver Business License
 - State of Washington Master License for Foreign Profit Corporation
7. Hours:
- a. April – September
 - i. Monday – Saturday: 7:00 a.m. – 6:00 p.m.
 - ii. Sunday: 8:00 a.m. – 5:00 p.m.
 - b. October, November and March
 - i. Monday – Saturday: 8:00 a.m. – 5:00 p.m.
 - ii. Sunday: 9:00 a.m. – 4:00 p.m.
 - c. December, January and February
 - i. Closed Sundays
 - d. December, January and February
 - i. Monday – Saturday: 8:00 a.m. – 5:00 p.m.
8. Outdoor Lighting:
- i. City street halogen pole lamp at N.E. side of property at employee parking area.
 - ii. Entry light above south entry doors of building.
 - iii. Halogen pole lamp at NE side of building above the shop bay doorway of building.
9. Sewer and Water:
- a. City Fire Hydrant at east side of property in the employee parking lot.
 - b. Private fire hydrants are located approximately every 200 feet along the North, West and South perimeters of the property in the 4 foot wide cement planters.
 - c. Located at:

- Scale house
- Loading Area 1 on the SW corner of the building
- North road at mid point near Plant Number One
- North road at the North electrical building
- North road adjacent to composting aerated slab
- South property line, ½ way down, next to neighbors building (behind finished Compo-
Stuff)
- At pond western electrical building
- Southwest corner near the dirt and rock bins
- d. Three hot and cold faucets and sinks inside office building.
- e. Three toilets and one outdoor facility

10. Products and Services:

- Yard Debris and Wood Recycling
- Bark Products
- Compo-Stuff Products
- Planting Mixes
- Rock Products
- Cedar Chips
- Fresh Sawdust
- Garden Center
 - i. Bagged mixes amendments
 - ii. Tools
 - iii. Other garden center related products

11. Traffic Flow: Best attempts are made to keep traffic flow of McFarlane vehicles, vendor vehicles and Customer vehicles; at 5 mph or less. Traffic flow signage is prominently displayed, indicating direction to loading and recycling in the three queuing lanes on the property. Commercial yard debris vehicles, regular customer yard debris and product pickup at Loading Area 1. Loading Area 2 sign is for line up of area 2 products and for commercial client flat rate recycling. During surge and peak times, we supply additional yard staffing for directional assistance, traffic control and will perform flat rate dumping to speed up the process of recycling. We also utilize the additional staffing to inspect incoming yard debris and wood waste for contamination control. Due to scale inspections, repair, maintenance and closure, McFarlane's will exercise, an "at will" option to flat rate or charge by the ton to all customers at any given time.

12. Customer Base:

- a. Retail, Commercial Discount and Wholesale Pricing
- b. General Public
- c. Solid Waste Collection Companies
- d. Landscape Design and Maintenance
- e. Nursery Growers
- f. Commercial Businesses
- g. Public Works
- h. Public Schools
- i. Contribution Accounts
 - i. Churches

- ii. Environmental Associations
- iii. Private and Public Schools
- iv. Girl and Boy Scouts

1. PRODUCTION

a. Compo-Stuff, Planting Mixes and Bark dust Product are produced on site with the use of screening plants, grinders and heavy equipment. Material Handling Activities of these finished compost and bark products are loaded and unloaded off of semi and delivery dump trucks. Use of raw material and finished product and the conveyance of material on site to customer locations throughout the Pacific Northwest is performed daily.

b. Off Road Diesel Fuel is delivered to the Company fuel tank from a commercial fuel delivery vehicle using approved procedures. Fueling of company vehicles occurs at the fueling station when practical, by our on site above ground off road diesel fuel tank. Used oil is removed during vehicle maintenance and is transferred to a recycling holding tank and disposed of using approved methods.

c. Litter Control: The entry, landscape areas and yard operation areas are cleaned and picked up of garbage by yard personnel daily. Garbage recycling bins are picked up by Clackamas Refuse Company local waste hauling company, twice weekly. Street sweeper, Scoop Operator and yard loader will maintain the SE Johnson Road up to the Highway 224 traffic light a couple of times weekly.

d. Fire Prevention: There is an 8" loop system that has 8 private hydrants attached.

- o Periodic recirculation of water on the brush piles is also helpful in fire protection
- o Inside the processing plant, machinery is washed as needed, to prevent any dust fires
- o Machinery that is being repaired is wet down as needed.
- o A hot spot in the pile will appear to be smoky.
- o Add water if necessary

Steam can be misinterpreted as a "hot spot", although, it is policy that Employees are to inform a Manager or Lead if they notice a "hot spot". If a hot spot is noted in any pile it is completely eradicated by:

1. Digging it out
2. Driving over it
3. Grinding the product
4. Refinishing the product

e. Noise levels are kept within acceptable range for light industrial zoning; 90db. Noise range levels have been tested by our Loss Prevention Specialist Don Binzer, of SAIF. In addition, OSHA Required - Annual Hearing Screening is performed by a contracted health facility and coordinated by our Human Resources Manager.

2. COMPOSTING OPERATIONS

A. General Procedures

1. When customers phone for rates our Sales staff encourages the client to cover their load to better secure it from blowing out on the way to our facilities.
2. Incoming vehicles are viewed by Sales staff and charged by the cubic yard or weighed in on the scale. If weighed the price per ton is calibrated and calculated at the time of exit.
3. Each incoming load is checked for possible non organics or unacceptable materials, i.e. hazardous waste, glass, plastics and metals. Customer is asked to take away unacceptable materials to the nearest recycling facility.
4. Payment forms accepted are Cash, Check, Visa, Discover or Mastercard. Commercial account customers may choose to be charged by the yard or the ton when the scales are open.
5. Customer is directed to unload in specific areas. The Wood or Yard Debris unloading locations are on specified areas on the concrete and may change with weather conditions or shape of the feed stock piles.
6. The fine yard debris is processed via a first grind within 24 to 48 hours. Every effort is made to get to the fine debris with a coverage of overs so as to minimize odiferous conditions in the case that a load was dumped after the unit loader operators have gone home for the day.
7. The Parker, will observe customers as they unload their vehicles, so as to not accept any non organics. Customer is instructed to take non organics with them upon exiting.
8. Additional fees are charged for all unacceptable materials if the customer has left non acceptable items on site.
9. CAUTION is expressed to Customers and they are advised; no smoking, children and pets must remain in the vehicle.

B. Processing

1. Processing and curing yard debris feed stocks with the static pile method is somewhere between 14 and 17 weeks which is consistent with the "On Farm Composting" manual produced by the Northeast Regional Agricultural Engineering Services. This is operating in the anaerobic or anoxic biological environment. The outer layers of the pile will have penetration of oxygen to form a narrow aerobic zone and a thicker anoxic zone. Moisture levels of the compost piles are moist but not wet. Water can be added by soaker hoses and sprinklers as required.
2. Bulldozers, unit loaders and track hoes are used to aerate, turn and stack piles. Loaders are also used to feed grinders and screens.
3. Product is then screened with coarse oversized materials and mixed back into green incoming yard debris. Screened sizes will be moved into finished piles.
4. A compost temperature wand was purchased on September 16th, 2013. The implementation into operations began February 17th, 2014. The wand is used during daily operations when rotating the static pile. The rotation of the pile occurs 5 days of the work week. The use of the temperature wand is to insure the thermophilic (hot) conditions of 135 to 165 degrees Fahrenheit, biochemical processes accelerate and beneficial microbes quickly deplete the compost of needed oxygen. This will insure the reduction of pathogen. For this reason, air must be supplied to an active compost pile by either forcing it in or by periodic turning of a static pile to maintain air spaces sufficiently large to allow passive ventilation.
5. As of March 1st, 2014 The Compost Aerated Slab had repairs to the fans and manifold in addition to the cleaning of the aerated holes in the concrete slab. The Compost Aerated Slab is slated to be in full operation by March 15th, 2014.
6. In November and December 2014 there was 8,700 square feet of paving installed at the eastern side of the Fines and Brush dumping area of the yard. This opened up more area for customers to park

and allows McFarlane's to move and stockpile the incoming yard debris more efficiently by eliminating traffic congestion; gives more area to hold unground material and allows additional time for composting prior to rotation.

C. Wood Waste Recycling

The commercially generated clean, painted, or treated wood waste, large yard debris and stumps are ground and delivered by semi to local mills with industrial boilers for use as hogged fuel; to thus generate energy for that facility.

3. SURFACE WATER PROTECTION

The Company practices Best Management practices for our facility stormwater discharge in compliance with the Stormwater Discharge Permit, General Permit 1200-Z.

Any spillage is removed and disposed of appropriately before contact with surface water as per the company Hazard Communication and Emergency Action Plan. Vehicle maintenance is performed indoors and outdoors. Materials such as oil and grease are disposed of off site through appropriate best management practices.

See the Spill Prevention, Control and Countermeasure Plan Appendix B.

See the Emergency Action and Hazard Communication Plan Appendix C

4. GROUND WATER PROTECTION

Possible pollutants in site runoff are metals, plastic, organic matter, oils, grease and sediment. Sources include yard debris, customer vehicles and landscape materials. Processing of compost and bark products is performed with environmentally safe composting processes; whereby using the static pile composting method, which produces heat sufficient to extirpate most herbicides, pesticides and unhealthy pathogens. Particulates from bark dust, unpaved roadways, and windblown deposition are present. No metal processing is done on site. The only source of metal is bi-products. Little if any pollutant particles may reach the storm discharge and monitoring station. Compost and wood chips are used as a filtration material in many storm discharge systems.

See the Stormwater Pollution Control Plan Appendix D

See the Environmental Monitoring Plan Appendix E

5. ODOR CONTROL

a. With the static pile composting system, an odor control technique is to minimize disturbance of the material which contains the anaerobic byproducts in the pile until sufficient time has passed that the anaerobic composting process proceeds to the point that the byproducts are stabilized. There will still be some release of odiferous by products but the release will be minimized. Aerobic conditions are the result in the degradation of organic matter to carbon dioxide, water and residual complex organics. As the loads come in, Compost Overs from the CEC Screen It or the higher carbon sources of first grind feed stocks from the eastern side of the compost pile can be used to minimize an anerobic situation.

b. Some intermediate degradation products are released in aerobic composting but they are generally less odorous than the by-products of anaerobic composting. Odiferous by-products of anaerobic composting include sulfides, mercaptans and organic acids. Provided that the aerated material is maintained in a moist and controlled temperature atmosphere; odorous compounds such as these will be minimized. Temperature is taken with the wand in the morning, four places on the static pile in the four corner quadrants of the pile (SE, NE, NW and SW). The pile is in constant rotation and so the pile is constantly releasing moisture when not raining. On the pile there is a crust that creates a 3 foot depth of wetness and every time the pile is opened up it is able to absorb the new moisture if raining. Regulating the moisture is controlled by moving the pile. The constant rotation of the pile assists with the evaporation that may be needed in the rainy season. In the summer when needed, sprinklers can be placed upon the pile for additional moisture.

In some low level compost piles there have been issues with the pile becoming too cool or too hot; rotation is always the key to control from the pile going anerobic. And the very few occurrences that there was a cool area on the compost pile, the Bull Dozer Operator would take warm feed stock material to warm up a cool composting area. Due to our abundance of feed stock, the "too cool or too hot" situations have never been an issue for the Compost pile at McFarlane's.

Bulldozers and Track Hoes are used to rotate the pile; because the pile does not go anerobic very quickly, the equipment Operator has time to manipulate the pile by opening up and burying. Each section to be worked on is approximately, on an average, of about 20 feet by 20 feet. The Bulldozer is digging between 20 and 35 feet deep, at times, as he is pushing the composting material toward the low areas of the pile, toward the section that was moved forward the previous day (SE corner is moved into the NE and then from the NE to the NW corner). Our pile has areas that are always warm and so we have never experienced a problem of the pile coolness being an issue.

c. These approaches have been successful in reducing odors:

1. Time of Day - Piles are rotated between 6:00 am and 6:00 pm. The impact of turning and final pile breakdown of odorous material may, however, be reduced by limiting operations involving such materials to times of the day and weather conditions that are least contributory to movement of odors to neighboring properties without significant dilution by atmospheric conditions. Hence, where an anaerobic condition is suspected, it is policy to rotate the pile in the mid afternoon, when the possibility of impacts on surrounding uses are less. The piles will be rotated during shorter periods of time, reducing the periods when odors might be inadvertently generated. Pile will not be rotated in inclement weather conditions.

2. Wind Direction - When wind is at any velocity, there could be odor impacts upon our neighboring businesses and residences. In high winds there is an almost immediate dispersion of smells. However, if there is an odor concern we discontinue dozing the pile if the odor is not aligned with the receipt of a packer truck load.

3. Percent Moisture - The piles are kept damp by the recirculating water or hydrant water, if needed. This reduces the possibility of odors. The pile is constantly in rotation toward the northwest corner onto the last stage of the compost aerated slab. The hand "squeeze test" is performed at the finishing stage. The moisture can be seen in the hand squeeze test and if the product is too moist, then the coarser Overs material can be added. Another indicator of the compost being too moist is that the tracks on the dozer show very sticky compost and the compost clogs the tracks. If this occurs, then the material is rotated to move the moister material around and over into dryer material. In the times that

the materials are too wet, we access the Overs to balance out the moisture. Fans on the compost aerated slab can also assist in drying wetter material.

4. Scalehouse and Parker staff are checking loads. The loads of fines are covered with cured compost throughout the work day by the unit loader operator. This reduces the opportunity for odors to escape from the processing pile. Dilution with this more stable material absorbs odors and reduces the odiferous impacts.

5. Diversion - Problem loads are not accepted and may be diverted from site. This would be in the case of loads that the Scale house Operator or Load Measurer may consider to be highly unstable anaerobic grass or other vegetative odiferous loads which they will redirect to the Metro South recycling facility in Oregon City.

As of November 27th, 2013 Waste Connections of Vancouver, Washington made a choice to discontinue hauling curbside collection packer truck loads to McFarlane's Bark Vancouver yard. This feed stock was previously transferred to the McFarlane Milwaukie compost processing site and was 57,4440 cubic yard for the December 2012 through November 2013 period. They had been hauling to our Vancouver location for about 5 years.

As of June 1, 2014 McFarlane's rerouted all Milwaukie yard packer truck Clients. These Clients were informed that for the months of June through October McFarlane's would no longer be accepting these loads due to their generally odiferous condition 5 months of the year. Correspondence was generated to the packer truck clients via US Mail from February 28th and forward to give ample notice for these businesses to make other arrangements five months of the year. See Appendix M.

6. Leachate and water run off of the piles are covered with coarse overs and added back into the compost pile with the unit loader.

7. The Concrete Aerated Retention Pond - An Odor Control Plan may be referenced it is located in Appendix K. Thus, the odiferous conditions of the pond are remedied.

Note: The aeration pump that was recommended by Terracon was installed and began operation on September 10, 2013. It is a Kasco Model 3400. This aerator is 1 ½ times larger than the aerator that is needed for our maximum pond volume. This allows us the flexibility of running the aeration pump far less than what might be required by the next size down.

8. Water spray heads were installed on our equipment Morbark grinder #621 on October 29, 2013. The Morbark grinder #622 has not ground hog fuel in the last 8 months but these spray heads will be added when it returns from our Molalla property in early summer of 2014.

6. Pathogen Reduction

Processing of compost is performed with environmentally safe and Best Management composting processes; whereby using the static pile composting method, which produces heat sufficient to extricate most herbicides, pesticides unhealthy or harmful pathogens to an inert state.

Monthly testing is performed. The pathogens fecal coliform and salmonella are tested for. At the time of obtaining a pull sample for sending to the Soil Control Lab, Watsonville, California; particular communication must be made with the Production Department Assistant Managers to be sure that sampling is obtained from the cured area of the pile. If samples of Compo-Stuff are taken from a non cured area of the Compo-Stuff pile there could be a situation that a positive pathogen could result.

In the event that a test result shows positive results for pathogens and discovery is made that the pull was taken from the cured area, then the cured area will be cleared of a 5 unit swath from it's eastern end and rotated to the back of the pile for further curing.

Soil Control Lab
42 Hangar Way
Watsonville, CA 95076
Phone 831-724-5422
Fax 831-724-3188

If the fecal coliform or salmonella pathogens are showing a test result of a non passing result, an immediate sample is pulled and sent to The Soil Test Lab for another test.

A free distribution of the complete lab report and the condensed version are available to all customers. Distribution is made by e-mail, fax and US Mail, or the results may be picked up at our sales counters.

See the Soil Test Lab Report Appendix F
See the Condensed Compo-Stuff Analyses Appendix G

7. Dust Prevention

- a. On non rainy days the incoming southern road, product yard and yard debris recycling areas are watered down by Production Department workman with fire hose. This process takes about 1 hour and is performed about 3 times per work day or as needed. Keeping areas damp reduces dust almost completely.
- b. Quarterly washing of the gravel entry.
- c. Regular sweeping of the concrete slab and the Johnson Road entry, using a sweeper attachment on our unit loader.
- d. Squeegee clean up on product and yard debris area concrete. The squeegee is attached to the one yard scoop and the wet and dry materials are pushed into the fines area of the yard debris.
- e. Daily use of sprinkler stands on the West road when not raining
- f. Best attempts are made to keep traffic flow of McFarlane vehicles, vendor vehicles and Customer vehicles at 5 mph or less.
- g. Beginning August 19th and completed September 1st, 2013; Evergreen trees were planted on the perimeter of the West and North property lines. The trees create a screen that assists with dust control. The trees have a lifetime guarantee by LBD Landscaping Company. See appendix L.
 1. There are 17, 10 to 12 foot Leland Cypress trees along the Western property line. These trees will grow up to 30 feet tall and will create a complete screening. All of these trees have been double staked.

2. There are 75 Castlewella trees along the Northern property line. These trees will grow up to 30 feet tall and will create a complete screening.
3. Trees are planted 12 feet on center. The root ball plantings were planted in at 30 inches deep in a screened clay soil top soil. The top dressing was with compost. Annual pruning will be maintained after the 2015 year.
4. Installation of a sprinkler system occurred on September 3, 2013. An automated sprinkler system timely waters the trees. These are the Rain Bird 1806 Pop Ups with Spray Heads. The West Road has MP Rotators. These rotators mist the road, keeping the road misted and dust free a minimum of three times per day when there is no rain to keep the dust free. The North road has 3500 Rain Bird Rotors for keeping the road damp. All are maintained via the ESP Rain Bird Control Timer System.
5. The MORBARK 6600 – McFarlane Equipment ID #621 - Install in March of 2014 and The MORBARK 6600 McFarlane Equipment ID #622 – Install in May of 2014 of the overhead misters and the “Grinding Chamber Dust Suppression Unit” respectively.

The horizontal MORBARK grinders had installation of the discharge belt overhead misters. The misters have two spray heads that have four streams. The misters are permanently mounted in order to provide 360 degree coverage; with a 40 foot radius. These misters are used whenever the grinder is used for grinding wood waste hog fuel and yard debris feed stocks. To initiate operation of the misters, the machine Operator affixes the fire hose adaptor to an onsite 3” fire hose.

NOTE: In addition, these machines were purchased with an additional apparatus; the “Grinding Chamber Dust Suppression Unit”. During operation, water is injected into the grinding chamber to completely cover all the feedstock material and this limits any dust from escaping with the ground finished product.

6. LBD Landscaping – July 2nd, 2014 A total of 270 Rush Grass plants were planted all along the Northern property line; East to West within the bio filter swale where vegetation had dissipated. Some areas needed more plantings than others. Rush grass multiplies naturally and the poison hemlock plants will not be a problem as they have been sprayed with the appropriate herbicide. LBD Landscaping is on contract to a bi-monthly agreement for monitoring, maintaining beneficial plant matter and management of the swale’s progress to continue to eradicate the unwanted vegetation, such as poison hemlock, black berry, invasive species, etc.

Clean up of garbage and debris, addition of 10 cubic yards of soil throughout the entire length as only a few areas were low due to winter rains. This added soil will maintain the slope of the swale.

7. Screen modifications to the CEC Screen It were installed on 11/20/14. The installation of dust skirting up to the end of the fines conveyor belt and included the overburden conveyor belt.

8. Other precautions for dust caused by operation of the CEC Screen It are that if there are windy conditions that show the dust particles blowing away from the CEC area; that the Production Department Operators will shut the equipment down immediately.

8. SITE CLOSURE PLAN

The purpose is to clear the site to make it a saleable property.

- a. In the event of a short-term cessation of operations (7 days to 30 days), management will contact all customers and advise them of the approximate time the closure will be in effect. The scale house will be closed for incoming yard debris and wood waste. A sign will be posted at the SE corner entry on SE Johnson Road advising of the Temporary Closure. All finished outbound material will be transported as soon as is feasible. DEQ and METRO will be advised of the nature of the problem, the proposed resolution and the approximate time of re-opening.
- b. Cease hauling in saleable products
- c. In the event of a long-term or permanent cessation of operations, management will immediately contact and meet with Metro as early as it is known that there is a significant market change which necessitates either a major shift in operations or closure of a product line or lines. As the result of meetings with Metro the best course of action possible will be decided which serves our company, Metro, and the customer base. If at all possible, efforts will be made to secure alternative markets for the customers in order to not cause any significant disruption of their business.
- d. Once a decision is made to cease operations, as much as practicable, receipt of materials from non-critical customers will stop immediately. All remaining product will be shipped on an expedited basis. Any non-merchantable product remaining at the end will be shipped to an appropriate facility for disposal. The site will be left clean and all bills will be paid in full.

Liquidation of Sellable Products:

- Advertise the liquidation
- Trucking saleable products to other company site or other business locations
- Sell products at reduced rates
- Sell equipment – *Craigs List*, Auction, Equipment Trade Associations

9. Record Keeping and Internal Reporting Procedures

a. An using our point of sale system, the tracking of incoming feedstocks and outgoing product yardage is produced, maintained summarized by the Administration department personnel. Incoming quantities, inventory totals and product quantity sales are reported to the necessary government entities.

b. The Environmental Services Concern Journal (ESCJ) is managed by the Sales office lead personnel. The ESCJ is used to journalize any neighborhood concern regarding dust, noise or odiferous conditions. The Weather Wizard is used twice daily to record the outside temperature, wind velocity and direction. Daily monitoring of the weather is performed in the morning and in the afternoon by the Cashier Lead personnel.

See the Environmental Services Procedure Appendix H

c. Records of inspections, maintenance, repair, education activities, sampling and flow data shall be kept in the appropriate department's files. The Environmental Services Journal will contain records of incidents that had the potential to impact or affect, storm water or surface water. Entries involving spills are to include the date and time of spill, the substance spilled, the activity relating to the event, detailed explanations of the clean up disposal procedures and recommendations for future avoidance of similar circumstances in the form of an Action Plan. All other entries are to include the date and time, type of activity, repair, education and person directly responsible for the activity. The Safety Officer is to personally review and initial each entry as well as consider modifications to current practices and control procedures.

See the Environmental Services Journal Appendix I

See the Emergency Action Plan Training Check List Appendix J

Produced by: K.McFarlane

Hila Ritter

From: Hila Ritter
Sent: Monday, March 21, 2016 11:03 AM
To: 'Kathleen McFarlane'
Subject: License renewal application amendments

Good morning,

Per our conversation this morning; you have confirmed that the most recent site plan on file with Metro is date December 2012, and that site improvements since that time such as paving are described in the operating plan submitted as an attachment to the application. You also confirmed that on page 6, another outbound product from your facility is an estimated 100 tons annually of metals which are recovered at RS Davis Recycling.

Thank you for this information, your application is now complete. Please feel free to contact me if you have any questions or concerns.

Hila Ritter
Authorization Coordinator
Solid Waste Compliance & Cleanup
Metro | Making a great place
600 NE Grand Ave.
Portland, OR 97232-2736
503-797-1862
www.oregonmetro.gov