



State of Oregon
Department of
Environmental
Quality

Columbia Biogas
Permit Number: 1478
Expiration Date: December 1, 2017
Page 1 of 18

**SOLID WASTE DISPOSAL SITE PERMIT:
Solid Waste Treatment Facility**

**Oregon Department of Environmental Quality
2020 SW 4th Avenue, Suite 400
Portland, OR 97201
(503) 229-5353**

**Issued in accordance with the provisions of ORS Chapter 459 and
subject to the land use compatibility statement referenced below.**

ISSUED TO:

Columbia Biogas LLC
721 NW 9th Avenue, Suite 195
Portland, Oregon 97209
(503) 914-4630

FACILITY NAME AND LOCATION:

Columbia Biogas
6849 NE Columbia Boulevard
Portland, Oregon 97218
Multnomah County

PROPERTY OWNER:

Oregon Fresh Farms Real Estate LLC
15201 SE Rivercrest Drive
Vancouver, Washington 98683
(503) 572-3758

OPERATOR:

Columbia Biogas LLC
721 NW 9th Avenue, Suite 195
Portland, Oregon 97209

ISSUED IN RESPONSE TO:

- A solid waste treatment facility permit application received September 7, 2010; and
- A Land Use Compatibility Statement from the City of Portland dated August 6, 2010.

The determination to issue this permit is based on findings and technical information included in the permit record.

ISSUED BY THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

Audrey M O'Brien

Audrey O'Brien
Manager, Solid Waste Program, Northwest Region

December 23, 2010

Date

Permitted Activities

Until such time as this permit expires or is modified or revoked, Columbia Biogas is authorized to establish, operate, and maintain a solid waste treatment facility in conformance with the requirements, limitations, and conditions set forth in this document including all attachments.

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Introduction This document is a solid waste permit issued by the Oregon Department of Environmental Quality (DEQ) in accordance with Oregon Revised Statutes (ORS) 459 and Oregon Administrative Rules (OAR), Chapter 340.

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PERMIT ADMINISTRATION

1.0 ISSUANCE

1.1	In this section	This section describes the parameters surrounding permit issuance, including the following information: <ul style="list-style-type: none"> • Permittee; • Permit number; • Permit term; • Facility type; • Facility owner/operator; • Basis for issuance; • Legal control of property; and • Definitions. 	
1.2	Permittee	This permit is issued to Columbia Biogas LLC .	
1.3	Permit number	This permit will be referred to as Solid Waste Permit Number 1478 .	
1.4	Permit term	The issue date of this permit is the date this document is signed. The expiration date of this permit is December 1, 2017 .	
1.5	Facility type	The facility is permitted as a solid waste treatment facility.	
1.6	Facility owner/operator	The property owner of this facility is: Oregon Fresh Farms Real Estate LLC 15201 SE Rivercrest Drive Vancouver, Washington 98683	The operator of this facility is: Columbia Biogas LLC 721 NW 9 th Avenue, Suite 195 Portland, Oregon 97209
1.7	Basis for issuance	This permit is Issued based upon the following documents submitted by the permittee: <ul style="list-style-type: none"> • A solid waste permit application received September 7, 2010; and • A land Use Compatibility Statement from the City of Portland dated August 6, 2010. 	
1.8	Legal control of property	The permittee must maintain legal control over the property subject to this permit through ownership, lease, or contract. The permittee also must obtain and comply with all local land use requirements applicable to the disposal site and operations.	
1.9	Definitions	Unless otherwise specified, all terms are as defined in OAR 340-093-0030 and OAR 340-208-0010(7).	

2.0 DISCLAIMERS

2.1	In this section	This section describes disclaimer information for DEQ including: <ul style="list-style-type: none"> • Property rights; and • DEQ liability. 	
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2.2	Property rights	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights.
2.3	DEQ liability	DEQ, its officers, agents, or employees do not sustain any liability on account of the issuance of this permit or on account of the construction, maintenance, or operation of facilities pursuant to this permit.
3.0	AUTHORITY	
3.1	In this section	This section describes the authority of DEQ to issue this permit, including the following information: <ul style="list-style-type: none">• Permit term;• Documents superseded;• Permittee responsibility and liability;• Other compliance;• DEQ access to disposal site; and• Penalties.
3.2	Permit term	This permit is issued for seven years as authorized by Oregon Revised Statutes 459.245(2).
3.3	Documents superseded	This document is the primary solid waste permit for the facility, being the first solid waste permit issued to Columbia Biogas by DEQ.
3.4	Permittee responsibility and liability	The permittee must conduct all facility activities in compliance with the provisions of this permit. The permittee is responsible for the acts and omissions of its employees, agents, and contractors relating to matters regulated under this permit.
3.5	Other compliance	Issuance of this permit does not relieve the permittee from the responsibility to comply with all other applicable federal, state, or local laws or regulations. This includes the following solid waste requirements, as well as all updates or additions to these requirements: <ul style="list-style-type: none">• Solid waste permit application received September 7, 2010;• Oregon Revised Statutes, Chapters 459, 459A, 465 and 466;• Oregon Administrative Rules Chapter 340;• Local ordinances; and• Any documents submitted by the permittee and approved by DEQ.
3.6	DEQ access to disposal site	The permittee must allow representatives of DEQ access to the disposal facility at all reasonable times for the purpose of making inspections, surveys, collecting samples, obtaining data and carrying out other necessary functions related to this permit. <u>Reference:</u> OAR 340-093-0050(6)
3.7	Penalties	Violation of permit conditions may subject the permittee to civil penalties of up to \$25,000 each day of each violation. <u>Reference:</u> ORS 459.995(1)(a)

4.0 PERMIT MODIFICATION

4.1	In this section	<p>This section describes information about modification of this permit, including:</p> <ul style="list-style-type: none">• Permit review;• Modification;• Modification and revocation by DEQ;• Modification by permittee;• Public participation; and• Changes in ownership.
4.2	Permit review	<p>During the life of the permit, DEQ may review the permit and determine whether or not the permit should be amended.</p> <p>DEQ reserves the right to amend the permit to address any significant new information or change in status or operations at the facility including but not limited to:</p> <ul style="list-style-type: none">• Compliance history of the facility;• Changes in waste volume or composition, or operations at the facility;• Changes in state or federal rules which should be incorporated into the permit;• A significant release of pollutants to the environment from the facility;• Significant changes to a DEQ-approved site development plan and/or conceptual design; or• Other significant information or events.
4.3	Modification	<p>At any time in the life of the permit, DEQ at its discretion may modify the permit, or the permittee may propose changes to the permit.</p>
4.4	Modification and revocation by DEQ	<p>The Director may, at any time before the expiration date, modify, suspend, or revoke this permit in whole or in part, in accordance with Oregon Revised Statutes 459.255, for reasons including but not limited to the following:</p> <ul style="list-style-type: none">• Violation of any terms or conditions of this permit or any applicable statute, rule, standard, or order of the Commission;• Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or• A significant change in the quantity or character of solid waste received or in the operation of the disposal site.
4.5	Modification by permittee	<p>The permittee must apply for a modification to this permit if there is a significant change in facility operations or a deviation from activities described in this document.</p>
4.6	Public participation	<p>Significant changes in the permit will be made public by the issuance of a public notice as required by DEQ rules.</p> <p><u>Reference:</u> OAR 340-093-0100</p>
4.7	Changes in ownership	<p>The permittee must report to DEQ any changes in either ownership of the disposal site property, or of the name and address of the permittee or operator within ten (10) days of the change.</p>

ALLOWABLE ACTIVITIES

5.0 AUTHORIZATIONS

- 5.1 **In this section** This section describes the activities the permittee is authorized to conduct, including:
- Wastes authorized for receipt;
 - Authorization of other wastes;
 - Authorization of activities;
 - Duration of authorization; and
 - Salvaging and recycling.
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- 5.2 **Wastes authorized for receipt** This permit authorizes the facility to accept solid waste, except those wastes specifically prohibited in Section 6.0 (Prohibitions).
- The permittee is authorized to accept and anaerobically digest commercially and industrially produced food wastes, liquid wastes resulting from food production and processing, and other suitable solid wastes.
- A DEQ approved, Special Waste Management Plan (SWMP) is required for acceptance of certain wastes that require special management due to potential threats posed to human health or the environment (See Special Waste Management Plans in Section 7).
- The permittee must notify DEQ in writing (e-mail is acceptable) of the facility start date.**
- Reference: Solid waste is defined in OAR 340-093-0030
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- 5.3 **Authorization of other wastes** Wastes excluded from the above authorization may be authorized for acceptance only after DEQ approves acceptance in writing.
- DEQ may authorize the permittee to accept other wastes only after:
- The permittee submits an updated Operations Plan to specifically address handling of other proposed wastes to DEQ for review and approval;
 - The permittee can demonstrate the wastes are not hazardous, as defined by state and federal regulations, or otherwise pose a threat to human health and the environment; and
 - DEQ approves the updated Operations Plan and Special Waste Management Plan (SWMP).
-
- 5.4 **Authorization of activities** All facility activities are to be conducted in accordance with the provisions of this permit. All plans required by this permit become part of the permit once approved by DEQ. Any conditions of the plan approval are also incorporated into this permit unless contested by the permittee within 30 days of the receipt of a conditional approval.
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- 5.5 **Duration of authorization** The authorization to accept solid waste will terminate at the time of site closure. After that time no solid waste may be accepted without written authorization by DEQ.
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5.6 **Salvaging and recycling** Salvaging and recycling are authorized if conducted in a controlled and orderly manner.

6.0 PROHIBITIONS

6.1 **In this section** This section describes specific prohibited materials and activities pertaining to the following:

- Hazardous waste;
- Batteries;
- Recyclable material;
- Friable and non-friable asbestos containing material;
- Infectious waste;
- Explosives;
- Used oil; and
- Open burning.

6.2 **Hazardous waste** The permittee must not accept hazardous wastes including hazardous wastes from large quantity generators, small quantity generators, conditionally exempt generators and hazardous wastes from other states.

Reference: OAR 340-093-0030(40), OAR Chapter 340 Division 100 and ORS 466.005(7)

6.3 **Batteries** The permittee must not accept lead-acid batteries at the facility.

6.4 **Recyclable material** The permittee must not accept any source separated recyclable material for transfer to a landfill for disposal.

Exception: If the source separated material is determined to be in a condition which makes the material unusable or not recyclable then it may be disposed. This determination must be made after consultation with DEQ.

6.5 **Friable and non-friable asbestos containing material** The permittee must not accept friable asbestos or non-friable asbestos-containing material at the facility.

6.6 **Infectious waste** The permittee must not accept infectious wastes at the facility.

6.7 **Explosives** The permittee must not accept explosives at the facility.

6.8 **Used oil** The permittee must not accept used oil at the facility.

6.9 **Open burning** The permittee must not conduct any open burning of solid wastes at the facility.

Reference: OAR 340-264-0030

OPERATIONS AND DESIGN

7.0 OPERATING PLANS

7.1 In this section	<p>This section describes the requirements associated with a facility Operations Plan, including:</p> <ul style="list-style-type: none">• Operations Plan;• Plan content;• Special Waste Management Plans;• Plan maintenance;• Plan compliance; and• Submittal address.
7.2 Operations Plan	<p>The permittee must operate the facility in accordance with DEQ approved facility Operations Plan and Special Waste Management Plans (SWMPs), including any DEQ approved amendments.</p>
7.3 Plan content	<p>The Operations Plan must describe the methods of operation of the facility in accordance with all regulatory and permit requirements. Among other things, the Operations Plan must describe generally how the facility will be operated to protect human health and the environment including but not limited to:</p> <ul style="list-style-type: none">• Waste acceptance;• Waste unloading, staging and handling;• Handling and removal of unacceptable wastes;• Handling and removal of residuals;• Management of liquid by-product(s) and digested fibers;• Description and management of byproducts;• Procedures for handling putrescible materials to ensure no adverse environmental impacts occur including runoff, dust, odors, vectors or other nuisance conditions;• Management of transfer containers and vehicles;• Procedures for controlling and minimizing odors;• Washing equipment;• Maintenance of equipment and systems;• Managing wash waters and process waters;• Maintaining surface water control structures;• Maintaining tank integrity;• Screening procedures for detection of unauthorized wastes;• Handling and removal of unauthorized wastes discovered at the facility;• Establishing and maintaining the operating record;• Providing fire protection equipment;• Notifying the DEQ about emergencies and fires;• Procedures for dealing with cleanup of an oil or hazardous materials spill;• Procedures for reporting spills to the Oregon Emergency Response System (OERS) at 1-800-452-0311;• Site Safety Procedures; and• Employee training.

7.4	Special Waste Management Plans	<p>Individual Special Waste Management Plans (SWMPs) are required, as part of the Operations Plan, for certain waste materials that because of their nature can be potentially hazardous to human health or the environment and require careful handling at solid waste facilities. The plan must address, among other things, procedures for identification, characterization, receipt, handling, storage, spill, clean up and transport for reuse, recovery or disposal of the material at an appropriately authorized facility.</p> <p>Special wastes requiring individual plans include but are not limited to:</p> <ul style="list-style-type: none">• Fluorescent bulbs and lamps;• Soils contaminated with hazardous substances;• CFC containing appliances;• Electronic waste;• Friable and non-friable asbestos containing materials;• Infectious waste;• Dead animals;• Septage; and• Sewage sludges and grits. <p><u>Notes:</u></p> <ol style="list-style-type: none">1. Except as noted below, SWMPs are only required if the facility chooses to accept special solid wastes.2. DEQ must approve a SWMP before the permittee may accept any special waste. The permittee must prepare SWMPs for special wastes and submit them to DEQ for approval in writing prior to acceptance. <p>Reference: Guidance on SWMPs can be found in OAR 340-093-0190(1) and OAR 340-094-0040(11)(b)(J) and in Section 9.5 of DEQ's <i>Solid Waste Guidance Municipal Solid Waste Landfills</i>, dated September 1, 1996.</p> <p>DEQ requires that a revised SWMP be submitted any time procedures change and/or the plan is updated within the life of this permit.</p>
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7.5	Plan maintenance	<p>The permittee must revise the Operations Plan, as necessary, to keep the plans reflective of current facility conditions and procedures. The permittee must submit plan revisions to DEQ for written approval.</p> <p>The permittee must submit an updated Operations Plan to DEQ for approval within 60 days after completing the process stabilization and performance testing stage.</p> <p>The permittee is required to submit a revised or new Operations Plan any time the Operations Plan is updated during the life of this permit.</p>
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7.6	Plan compliance	<p>The permittee must conduct all operations at the facility in accordance with the approved Operations Plan, including any amendments.</p>
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7.7	Submittal address	<p>All submittals to DEQ under this section must be sent to:</p> <p style="margin-left: 40px;">Oregon Department of Environmental Quality Manager, Solid Waste Program 2020 SW Fourth Avenue, Suite 400 Portland, OR 97201 Telephone: (503) 229-5353</p>

8.0 RECORDKEEPING AND REPORTING

8.1	In this section	<p>This section describes recordkeeping and reporting operational information for the facility, including:</p> <ul style="list-style-type: none">• Non-compliance reporting;• Permit display;• Access to records;• Data collection;• Data submittal;• Fees;• Complaint log; and• Submittal address.
8.2	Non-compliance reporting	<p>In the event that any condition of this permit or of DEQ's rules is violated, the permittee must immediately take action to correct the unauthorized condition and notify DEQ within 24 hours of discovery at:</p> <p style="text-align: center;">(503)229-5353</p> <p><u>Response:</u> In response to such a notification, DEQ may conduct an investigation to evaluate the nature and extent of the violation, and to evaluate plans for additional corrective actions, as necessary.</p>
8.3	Permit display	<p>The permittee must display this permit, or a photocopy thereof, where it can be readily referred to by operating personnel.</p>
8.4	Access to records	<p>Upon request, the permittee must make all records and reports related to the permitted facility available to the DEQ.</p> <p>All records and reports must be retained for five years from the date created.</p>
8.5	Data collection	<p>The permittee must collect the following information on a monthly basis:</p> <ul style="list-style-type: none">• Types and amount (tons) of incoming materials received;• The amount of materials generated (biogas, liquid by-products and digested fiber) by processing;• Types, amounts and destinations of salvage or recyclables removed monthly; and• Types and amount (tons) of residual waste disposed and disposal sites.
8.6	Data submittal	<p>The permittee must submit the information collected above, on an approved form, with the Solid Waste Compliance Fee to DEQ in accordance with the annual invoice sent by DEQ. A <i>Material Recovery Survey</i> form will be mailed by DEQ to the permittee prior to the due date (January 31st of each year).</p>
8.7	Fees	<p>The permittee must pay the Solid Waste Compliance Fee each year this permit is in effect. An invoice indicating the amount of the fee, set in accordance with DEQ's regulations, will be mailed by DEQ prior to the date due.</p>

8.8 Complaint log The permittee must maintain a log recording all complaints received in writing (including e-mail), via telephone or in person by the facility operator or staff that specifically refer to dust, odor, noise, environmental impacts or other nuisance conditions caused by this facility. The log must also record the permittee's actions to investigate, make a determination as to the validity of the complaint, and promptly respond to the complainant. The permittee must immediately initiate procedures as appropriate to reduce or eliminate the concern identified by the complainant and initiate procedures to prevent the concern in the future. The log must be made available to DEQ upon request.

8.9 Submittal address All submittals to DEQ under this section must be sent to:

Oregon Department of Environmental Quality
Land Quality Division
Solid Waste & Policy Program
811 SW Sixth Ave
Portland, OR 97204
(503)229-5913

and,

Oregon Department of Environmental Quality
Manager, Solid Waste Program
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201
(503)229-5353

9.0 OPERATING CONDITIONS

9.1 In this section This section describes specific conditions to which site operations must conform, including:

- Waste removal;
- Discovery of prohibited waste;
- Spill response;
- Unloading area;
- Access;
- Disposal of wastes;
- Wastes and by-products generated on-site;
- Equipment;
- Maintenance;
- Odor control;
- Roads;
- Vector control;
- Fire protection,
- Load covers;
- Operation shut-down; and
- Material storage.

9.2	Waste removal	The permittee must remove all waste from the facility at least as often as necessary to prevent malodors, unsightliness and attraction of insects or other vectors or other nuisance conditions.
9.3	Discovery of prohibited waste	<p>Any solid wastes discovered at the facility, which appear to be prohibited waste must be isolated or removed immediately. Non-hazardous prohibited waste must, within 48 hours, be transported to a disposal site authorized to accept such waste, unless otherwise approved by DEQ.</p> <p>In the event discovered wastes are hazardous or suspected to be hazardous, the permittee must isolate the wastes immediately. The permittee must notify DEQ (within 24 hours) and initiate procedures to identify and remove the waste. Hazardous wastes must be removed by a licensed hazardous waste contractor within 48 hours, unless otherwise approved by DEQ. Temporary storage and transportation must be carried out in accordance with the rules of DEQ.</p>
9.4	Spill response	<p>Any spill of oil or hazardous material must be cleaned up immediately as described in the facility Operations Plan. In addition to notifying the appropriate DEQ office, the permittee must immediately report the spill to the Oregon Emergency Response System (OERS) at 1-800-452-0311, if the spill is of a reportable quantity as required by ORS 466.635 and OAR Chapter 340, Division 142. Reportable quantities include:</p> <ul style="list-style-type: none"> • Any amount of oil spilled to waters of the state; • Oil spills on land in excess of forty-two (42) gallons; • Two hundred (200) pounds (twenty-five (25) gallons) or more of spilled pesticide residue; and • Spills of hazardous materials that are equal to, or greater than, the quantity listed in the Code of Federal Regulations, 40 CFR Part 302 (List of Hazardous Substances and Reportable Quantities), and amendments adopted before July 1, 2002. <p>Spills of liquid wastes must be cleaned up to prevent odors, public health hazards and discharges to waters of the state.</p> <p>For a complete list of hazardous materials required to be reported, please refer to OAR 340-142-0050.</p>
9.5	Unloading area	The area(s) for unloading of solid waste must be clearly defined by signs, fences, barriers, or other devices.
9.6	Access	Public access to the facility must be controlled as necessary to prevent unauthorized entry and dumping.
9.7	Disposal of wastes	Wastes generated from on-site operations must be properly disposed at a location authorized to accept the waste. Wastes sent for disposal at a landfill must meet the acceptance criteria at the landfill.
9.8	Wastes and by-products generated on-site	<p>The permittee must make a hazardous waste determination on waste generated at the facility to ensure proper disposal.</p> <p>The permittee must obtain written approval from DEQ and Oregon Department of Agriculture, as appropriate, for end use of the liquid by-products and digested fiber.</p> <p>The permittee is responsible for ensuring the byproducts end uses comply with applicable regulations and does not pose a threat to human health or the environment.</p>

9.9	Equipment	Equipment of adequate size and design to properly operate the facility must be available at all times. In the event of an equipment breakdown, alternative equipment must be provided, unless an exemption from DEQ is granted in writing.
9.10	Maintenance	The permittee must at all times properly operate and maintain all equipment and systems of treatment and control that are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and quality assurance procedures. The permittee must employ backup or auxiliary facilities or similar systems, as necessary, to prevent nuisance conditions and adverse impacts to human health and the environment.
9.11	Odor control	The permittee must employ odor management methods and structures to control and minimize odors that are likely to cause adverse impacts outside the facility boundaries.
9.12	Roads	Roads from the facility property line to the active operational areas must be constructed and maintained to deter, to the maximum extent practical, traffic hazards, dust and mud, and to provide reasonable all-weather access for vehicles using the site.
9.13	Vector control	The permittee must provide vector (bird, rodent, insect, etc.) control measures as necessary to prevent vector harborage and sustenance.
9.14	Fire protection	<p>The permittee must make arrangements with the local fire control agency to immediately receive their services when needed and must provide adequate on-site fire protection as determined by the local fire control agency.</p> <p>The permittee must notify local emergency responders that are likely to respond in an emergency. The purpose of this notification is to familiarize emergency responders with potential hazards they may encounter during an emergency response.</p> <p>Fires must be immediately and thoroughly extinguished and reported to DEQ within twenty-four (24) hours at (503) 229-5353.</p>
9.15	Load covers	The permittee must notify all in-coming haulers that loads must be covered or suitably cross-tied to prevent any load loss during shipment.
9.16	Operation shut-down	<p>In the event that facility operations are shut-down due to an emergency, equipment failure or for other reasons not related to normal processing schedules, the permittee must immediately cease receiving wastes and notify DEQ at (503)229-5353 within 24 hours.</p> <p>The facility must not accept any wastes until the reason for shut-down is satisfactorily resolved and the approval to resume operating obtained in writing from DEQ.</p>
9.17	Material storage	All materials and residual wastes must be stored as described in the facility Operations Plan. Material storage areas must be maintained in an orderly manner and kept free of litter. Stored materials must be removed at sufficient frequency to avoid creating nuisance conditions or safety hazards.

10.0 POLLUTION CONTROL

10.1 In this section	<p>This section describes activities the facility must perform in order to control pollution including:</p> <ul style="list-style-type: none">• Containers;• Vehicles;• Litter control;• Air quality;• Drainage;• Leachate prevention; and• Stormwater management.
10.2 Containers	<p>The permittee must clean all transfer containers and transport vehicles as needed to maintain a sanitary operating environment, and to prevent malodors, unsightliness, and attraction of insects or other vectors.</p> <p>The permittee must properly dispose of washwater and take appropriate measures to prevent washwater from adversely impacting waters of the state.</p>
10.3 Vehicles	<p>All solid waste transfer vehicles and devices using public roads must be constructed, maintained, and operated to prevent leaking, shifting, or spilling of solid waste while in transit.</p>
10.4 Litter control	<p>Litter that results from facility operations must be controlled such that the entire disposal site and adjacent lands are maintained virtually free of litter at all times. Any debris from the facility must be retrieved and properly disposed of as soon as possible that operational day.</p>
10.5 Air quality	<p>Dust and malodors must be controlled in accordance with DEQ's rules on air pollution.</p> <p>The permittee must ensure that the solid waste treatment operations comply with DEQ air pollution control rules and regulations and emission standards.</p>
10.6 Drainage	<p>The permittee must divert surface water drainage from waste handling and storage areas and must maintain surface water diversion ditches or structures in a serviceable condition and free of obstructions and debris at all times. Any significant damage must be reported to DEQ and repairs made as soon as possible.</p>
10.7 Leachate prevention	<p>The permittee must operate the facility in a manner that deters leachate production to the maximum extent practicable. Leachate must be collected, removed and managed in a manner to prevent malodors, public health hazards, and discharges to public waters.</p>
10.8 Stormwater management	<p>The permittee must manage and monitor stormwater in accordance with all federal and state requirements.</p>

11.0 SITE DEVELOPMENT AND DESIGN

11.1 In this section	<p>This section describes the requirements for any new facility construction, including:</p> <ul style="list-style-type: none">• Design documents;• Construction requirements;• Construction documents;• Construction Certification Report;• Construction Certification Report content;• Approval to use; and• Submittal address.
11.2 Design documents	<p>The permittee must submit engineering design documents including plans and engineering specifications for the initial facility construction, expansion, and new construction for DEQ review and approval at least 60 days prior to the anticipated construction start date. The design plans must be prepared and stamped by a qualified engineer with current Oregon registration.</p> <p>The design documents must:</p> <ul style="list-style-type: none">• Define the construction project team;• Specify applicable performance criteria, construction material properties and characteristics, dimensions and slopes;• Include construction contract documents specifying material and workmanship requirements to guide how the constructor is to furnish products and execute work;• Provide engineering drawings of key project components and construction details; and• Provide all relevant engineering analyses and calculations as a basis for the design. <p>DEQ's review of design plans is intended to ensure compliance with applicable DEQ standards and does not supersede review by local building officials of construction plans submitted by the permittee.</p>
11.3 Construction requirements	<p>The permittee must perform all construction in accordance with the approved plans and specifications, including all conditions of approval, and any amendments to those plans and specifications approved in writing by DEQ.</p>
11.4 Construction documents	<p>The construction documents submitted must include a Construction Quality Assurance (CQA) plan, describing the measures taken to monitor that the quality of materials and the work performed by the constructor complies with project specifications, and contract requirements.</p>
11.5 Construction Certification Report	<p>Within 90 days of completing any construction (initial construction, an expansion, or new construction) at the facility, a report prepared by the project engineer must be submitted to DEQ verifying and certifying that the construction is in accordance with the approved plans. The engineer must report construction observations and identify any construction flaws or deviations from the approved plans.</p>

11.6 Construction Certification Report content	The construction report must include: <ul style="list-style-type: none">• An executive summary of the construction project;• A list of the governing construction documents;• A summary of all construction and CQA activities;• Descriptions of problem identification and corrective measures implemented; and• A construction certification statement and signatures legally representing the CQA consultant, designer, and facility owner, one of which is that of a professional engineer with current Oregon registration.
11.7 Approval to use	The permittee must not begin operation of newly constructed or expanded areas of the facility until DEQ reviews and accepts the Construction Certification Report. If DEQ does not respond to the Construction Certification Report within 30 days of its receipt, the permittee may begin use of the new or expanded areas of the facility.
11.8 Submittal address	All submittals to DEQ under this section must be sent to: Oregon Department of Environmental Quality Manager, Solid Waste Program 2020 SW 4th Avenue, Ste 400 Portland, OR 97201 (503) 229-5353

SITE CLOSURE

12.0 CLOSURE

12.1 In this section	This section describes requirements for closure of the facility, including: <ul style="list-style-type: none">• Conceptual "Worst-Case" Final Closure Plan;• Final closure plan;• Closure schedule;• Closure requirement; and• Submittal address.
12.2 Conceptual "Worst-Case" Final Closure Plan	The permittee must develop and submit a Conceptual "Worst-Case" Final Closure Plan within 90 days of this permit issuance . The plan must include, at a minimum; <ul style="list-style-type: none">• An inventory of the types and maximum amount of wastes and products that could be stored on-site at any one time;• Where materials would be used or disposed;• The disposition of equipment; and• A description of the steps necessary to clean up the site in order to protect human health and the environment. <p>Reference: OAR 340-095-0060(2)(a)</p>
12.3 Final closure plan	At least six (6) months prior to final closure of the facility, the permittee must submit to DEQ a final closure plan consisting of detailed plans, specifications and a schedule for closure. This plan must be approved in writing by DEQ.
12.4 Closure schedule	The permittee must close the facility in accordance with the DEQ approved final closure plan and schedule in the approved plan.

12.5 Closure requirement The permittee must remove all wastes and processed materials at closure. The site must be cleaned and free of all debris and wastes.

12.6 Submittal address All submittals to DEQ under this section must be sent to:

Oregon Department of Environmental Quality
Northwest Region
Manager, Solid Waste Program
2020 SW 4th Avenue, Ste 400
Portland, OR 97201
(503) 229-5353

13.0 FINANCIAL ASSURANCE

13.1 In this section This section describes requirements for financial assurance at the facility, including:

- Financial assurance plan;
- Submittal;
- Use of financial assurance;
- Continuous nature;
- Annual update; and
- Submittal address.

13.2 Financial assurance plan The permittee must prepare a financial assurance plan and provide financial assurance for the cost of site closure. A copy of the plan must be filed on-site.

Reference: The plan must be prepared in accordance with OAR 340-095-0090. Acceptable mechanisms are specified in OAR 340-095-0095.

13.3 Submittal The permittee must submit to DEQ, **within 180 days** of this permit issuance, evidence of financial assurance, consisting of:

- A copy of the financial assurance plan and mechanism(s); and
- Notarized certification that the financial assurance meets all state requirements.

13.4 Use of financial assurance The permittee must not use the financial assurance for any purpose other than to finance the approved closure or to guarantee that the closure will be completed.

13.5 Continuous nature Continuous financial assurance must be maintained for the facility until the permittee or other person owning or controlling the site is no longer required to demonstrate such financial responsibility.

13.6 Annual update The permittee must annually review and update the financial assurance for the final closure during the operating life of the facility. This update must be submitted to DEQ for approval no later than the "annual review date" for the facility.

Reference: OAR 340-095-0090(6)(c) and (d)

13.7 Submittal address

All submittals to DEQ under this section must be sent to:
 Oregon Department of Environmental Quality
 Northwest Region
 Manager, Solid Waste Program
 2020 SW 4th Avenue, Suite 400
 Portland, OR 97201
 (503) 229-5353

COMPLIANCE SCHEDULE

14.0 SUMMARY OF DUE DATES

14.1 Summary The following is a summary of event-driven reporting required by this permit. This section does not include routine reporting and submittals required by this permit.

Due Date	Activity	See section...
Prior to initiating operations	Notify DEQ of facility start date	5.2 Wastes authorized for receipt
60 days after completing the process stabilization and performance testing stage	Submit revised Operations Plan for DEQ approval	7.5 Plan maintenance
60 day prior to start of construction	Submit Design documents for DEQ approval	11.2 Design documents
Within 90 days of construction completion	Submit a Construction Certification Report	11.5 Construction Certification Report
90 days after permit issuance	Submit Conceptual "Worst-Case" Final Closure Plan for DEQ approval	12.2 Conceptual "Worst-Case" Final Closure Plan
180 days after permit issuance	Submit financial assurance for DEQ approval	13.3 Submittal