



# Oregon

John A. Kitzhaber, M.D., Governor

## Department of Environmental Quality

Western Region Eugene Office

165 East 7<sup>th</sup> Avenue, Suite 100

Eugene, OR 97401

(541) 686-7838

FAX (541) 686-7551

OTRS 1-800-735-2900

June 18, 2012

Gary Utiger, Residual Manager  
City of Toledo  
P.O. Box 220  
Toledo OR 97391

Re: Permit Number: 101713/ File Number 89103  
City of Toledo Land Application Site  
Brent May, property owner  
584 Wade Rd  
Siletz OR 97380  
Authorization to Land Apply Biosolids  
WR-2012-11-BS May Field  
Twp. 10S, R. 10W. Sec. 5 Tax Lots 1 & 2  
Parcel total approx. 25 acres  
Lincoln County

Dear Mr. Gary Utiger:

The Department has received your August 2011 request to approve about 25 acres for biosolid land application on Mr. Brent May's property off of Wade Road, near Siletz Oregon.

### **Permittee Responsibility:**

It is the City of Toledo's (City) responsibility to insure the proper handling and application of all biosolids generated. Transportation of the biosolids to the application site shall be done in such a manner as to prevent leaking or spilling the biosolids onto the highways, streets, roads, waterways or other land surfaces not approved for biosolids application.

### **Site Description:**

The site is a 25 acre parcel, with setbacks the usable acreage for land application of biosolid will be approximately 15 acres with setbacks. The field is used to grow hay. The site is located on the northwest of Siletz, OR. This biosolids application site is only that portion of the parcel that is shaded on the enclosed map. These sites are comprised of Grindbrook silt loam and Kuappa silt soils; the sites are poorly drained soils and require summer land application.



**Site Authorization Loadings and Seasonality:**

Based upon an evaluation of this property the Department is pleased to authorize the City of Toledo to land apply biosolids subject to the conditions under your National Pollutant Discharge Elimination (NPDES) permit, the Oregon Administrative Rule (OAR 340-050), and the following conditions:

1. Site WR-2012-0012-BS May Field is approved for summer application (June 1 through October 1) of biosolids (Attachment #1 site map). During biosolid land application, care should be taken to avoid wet soil conditions, which may have occurred as a result of precipitation, especially in low and concave areas.
2. No liquid biosolids shall be applied on slopes greater than 12 percent, No cake biosolid shall be applied on slopes greater than 30 percent.
3. Biosolids shall be applied evenly at approved agronomic rate and in a manner to prevent ponding or runoff.
4. Biosolids shall not be applied closer than 50' feet to any low access public property or road way, any drainage ditch, channel, pond, or waterway, or within 200 feet of a domestic water source or well, 20' to property lines.
5. Biosolid application rate shall not exceed the Plant Available Nitrogen (PAN-N) /acre/year for the crop types listed in the table below. Changes in the biosolids characteristics or crops management may necessitate appropriate adjustments in the biosolids application rate to maintain proper plant available nitrogen for desired crop growth.

Table 2 Crop Types and Agronomic Loadings

Crop Type	PAN-Nitrogen/ac-yr
Pasture hay	100 lbs. PAN/ac

6. If other sources of nitrogen are used, then the biosolids application rate must be reduced so that irrigation of recycled water and/or other sources of nitrogen, such as commercial nitrogen in combination with biosolid's nitrogen do not exceed base agronomic loading rate for this site (N lb. PAN/acre/year), see condition 5 above.

### **Site Use Limitations:**

1. Controlled access to the biosolids site must be maintained for a period of 12 months following biosolids application.
1. Grazing of domestic animals should not be allowed on this site for 30 days following the last day biosolids were land applied on this site. There is a 90 day grazing restriction for lactating animals (dairy cattle).
2. This DEQ authorized Biosolids land application site authorization requires the current property owner's approval for land application of biosolid on this property. The current property owner must be listed on the DEQ site authorization letter. In addition, this biosolid site authorization is good as long as the following conditions are met: the property ownership changes, the farming management/practices change such that there is significant non-compliance with the biosolid site authorization, the biosolid rules and/or your biosolids management plan, and/or the current property owner requests the city to permanently discontinue the land application of biosolids on this site.
3. Site authorizations are subject to criteria detailed in the Oregon Administrative Rules, Chapter 340, Division 50. Under OAR 340-050-0030(3) site authorizations are part of Salem's Biosolid Management Plan (BMP) and enforceable under Salem's NPDES permit; Under OAR 340-050-0031 condition (2) your BMP is part of your NPDES permit. Site authorizations do not convey any property rights or any sort, or any exclusive privileges, or authorized any injury to persons or property or invasion of any other property rights, or any infringement of federal, state or local laws or regulations.

### **Monitoring:**

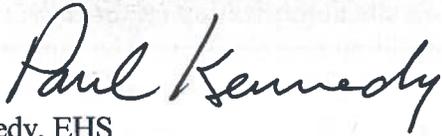
1. Written daily land application records shall be kept on a field grid map or other easily readable system. The City is responsible for tracking the land application of biosolids on daily basis (number of dry pounds nitrogen land applied per acre).
2. A copy of the current year's biosolid analysis shall be carried with all biosolids that are to be land applied at this site. The responsible parties who apply biosolids shall review these documents prior to land applying biosolids to this site.
3. A copy of this site authorization letter and a signed biosolid pathogen and vector attraction reduction certification statement shall accompany all biosolids land applied at this site.
4. The City shall provide the DEQ with monthly summaries of biosolids land application activities along with a current biosolids analysis in Jefferson's annual report.
5. If this site is used 2 out of 3 consecutive years then a soil carry over nitrogen test is required for those fields in question prior to the end of the third year.

**Accidental Spillage:**

The permittee shall immediately clean up any spillage of biosolids and notify the DEQ Eugene DEQ at (541) 687-7439 of any such occurrences. Spillage which cannot be completely cleaned up shall be covered with hydrated lime (Calcium Hydroxide) or lime (calcium oxide). A 50-lb. bag of liming material shall remain available during transportation of the biosolids.

If you have any questions regarding this authorization, please call me at (541) 687-7439.

Sincerely,



Paul Kennedy, EHS  
WQ-Biosolids Program, Eugene DEQ

Cc: Portland-DEQ Biosolid Program  
Lincoln County Health Department  
Brent May 584 Wade Rd. Siletz OR 97380

Attachment # 1, Site Authorization Map



Brent May

5.0 acres

