



Oregon

Theodore Kulongoski, Governor

Department of Environmental Quality

Western Region Roseburg Office

725 SE Main

Roseburg, OR 97470

(541) 440-3338

FAX (541) 440-3396

September 17, 2008

Allen Middaugh,
Public Works Superintendent
City of Siletz
215 W. Buford Ave.
P.O. Box 318
Siletz, OR 97380

Re: City of Siletz
Doina High Biosolid Site Authorization
NPDES Permit # 101680 File # 81276
Twp 10, R 10W, Sec 8, 116 acres
Lincoln County

Dear Mr. Allen Middaugh:

The Department has received the City's August 8, 2008 request to land applying biosolids on the High Ranch. Based on the current property owner's approval, this letter represents approval of your request to land apply Class B biosolid on the above referenced property. This biosolid authorization is good until the property ownership changes, the farming management/practices change such that there is significant non-compliance with the biosolid rules (threat to public health or the environment), or the current property owner requests the city to discontinue the land application of biosolid on this site. This authorization is subject to revocation through a contested hearing process by the Department if significant noncompliance issues arise.

This authorization to apply biosolids the above referenced property is subject to criteria detailed in the Oregon Administrative Rules, Chapter 340, Division 50 and the following conditions:

Responsibility:

It is the responsibility of the City of Siletz 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 located east of Siletz approximately 10 miles along the South Umpqua River. The High Ranch has about 100 acres of grass pasture along Hwy. 227, which can be used for biosolid land application. The biosolid application site is about 116 acres and is comprised mostly of 60% Siletz loam (54A), 40% Quilamook silt loam loam (51A), soils.

The approved site is only those portions of this ranch that are shaded on the enclosed map.

Based upon an evaluation of this property the Department is pleased to authorize the City to land apply stabilized biosolids subject to the conditions under your National Pollutant Discharge Elimination (NPDES) permit and the following stipulations:

1. This site is approved for summer application (June 1 through Oct. 31) of biosolids see Attachment 1 approval 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 10' for cake and 50' feet for liquid to any low access public property or road way, 50' to any drainage ditch, channel, pond, or waterway, or within 200 feet of a domestic water source or well.
5. For biosolid land application there is a minimum 48" setback from the ground surface and the permanent soil water table at these fields. Prior to land application of biosolids each year the permanent soil water table depths must be checked and a daily written recorded kept. Once the soil water table depths at these fields respectively have dropped below 48" from the ground surface the water table measurements can cease; should the groundwater table rise above 48" then daily water table depth shall be monitored for setback land application compliance.
6. Biosolid application rate shall not exceed approximately 100 lb. Plant Available Nitrogen (PAN) /acre/year (see Attachment 2 OSU guide for pasture grass). Changes in the biosolids characteristics or crops management may necessitate appropriate adjustments in the biosolid application rate to maintain proper plant available nitrogen for desired crop growth. The City can add an additional 30 lb. PAN/ac after harvest to the 120 lb. PAN/ac for each green crop harvested from these fields during a growing season.
7. If other sources of nitrogen are used, the biosolids application rate must be reduced so that irrigation of reclaimed water or commercial nitrogen in combination with

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biosolids nitrogen does not exceed base agronomic loading rate of this site (100 lb. PAN/acre/years). Note Nitrogen loading rate may be adjusted to account for multiple grass crop harvests (see condition 6 above).

Site Use Limitations:

1. Controlled access to the biosolids site must be maintained for a period of 12 months following biosolids application.
2. 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).

Accidental Spillage:

The permittee shall immediately clean up any spillage of biosolids and notify the DEQ Roseburg office at 440-3338 of any such occurrences. Call Oregon Emergency Response System (ORES) at 1-800- 452-0311 for any spills that make it to or could make it to waters of the state. 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.

Monitoring:

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

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



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Sincerely,

Paul Kennedy
Natural Resource Specialist 4

Cc: Portland-DEQ Biosolid Program
Attachments 1 Site Approval Map
2 OSU fertilizer guide for pasture grass



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Attachment 1
Siletz High Biosolid Site Approval Area

