

Fire Mountain Farms, Inc.

GENERAL LAND APPLICATION PLAN

Submitted as an addendum to Fire Mountain Farms
Application for Coverage
Under the General Permit for Biosolids Management Permit No. BT9902

January, 2016

PREFACE

This document is written in accordance with WAC 173-308, Appendix 4, and Minimum Content for a General Land Application Plan. The purpose of this plan is:

- Provide broad information about the geographical area where Fire Mountain Farms land applies biosolids;
- Set forth general site selection criteria where new fields can be identified and added to Fire Mountain Farms permit coverage;
- Describe general management guidelines for areas receiving biosolids;
- Public Notice procedures for adding new fields to Fire Mountain Farms permit coverage.
- SEPA requirements will be met for fields that not had prior coverage

1) GEOGRAPHICAL AREA

The following lists the names of all counties and water resource inventory areas (WRIA) where biosolids may be applied by Fire Mountain Farms under their permit coverage. Currently we have sites in the following counties: Lincoln, Cowlitz, Lewis, Pacific, Grays Harbor, Pierce, Spokane and Pend Oreille Counties. Additional counties and WRIA may be added in the future.

List of Water Resource Areas Fire Mountain Farms may propose a site		
10 Puyallup-White	31 Rock-Glade	51 Nespelem
11 Nisqually	32 Walla Walla	52 Sanpoil
12 Chambers-Clover	33 Lower Snake	53 Lower Lake Roosevelt
13 Deschutes	34 Palouse	54 Lower Spokane
14 Kennedy-Goldsborough	35 Middle Snake	55 Little Spokane
15 Kitsap	36 Esquatzel Coulee	56 Hangman
16 Skokomish-Dosewallips	37 Lower Yakima	57 Middle Spokane
21 Queets-Quinal	40 Alkali-Squilchuck	58 Middle Lake Roosevelt
22 Lower Chehalis	41 Lower Crab	59 Colville
23 Upper Chehalis	42 Grand Coulee	60 Kettle
24 Willapa	43 Upper Crab-Wilson	61 Upper Lake Roosevelt
25 Grays-Elochoman	44 Moses Coulee	62 Pend Oreille
26 Cowlitz	50 Foster	

List of Washington counties Fire Mountain Farms may propose a site		
Adams County	Lincoln County	Grays Harbor County
Asotin County	Mason County	Spokane County
Columbia County	Pacific County	Stevens County
Ferry County	Pend Oreille County	Thurston County
Franklin County	Pierce County	Wahkiakum County
Lewis County	Garfield County	Walla Walla County
	Grant County	Whitman County

2) SITE SELECTION CRITERIA

Fire Mountain Farms desires to maximize the beneficial use of the biosolids products we manage. To meet this goal, potential land application sites are selected with a preference for productive soils and/or soils that can be substantially improved with biosolids application. Biosolids will be applied to sites managed for:

- Commercial agriculture:
- Pasture and rangeland:
- Land reclamation sites:

Sites are evaluated on a case by case basis for suitability based on a number of factors including:

- topography/slopes:
- Soils:
- Depth to groundwater:
- Precipitation:
- Zoning:
- Neighboring land use:
- Access and storage:

Site/Soil attributes, virtually all sites from wetland restoration to arid deserts can benefit from biosolids application. The more challenging sites will require more management activities and increase cost. In some cases, this can be cost effective if it is close to treatment plant and reduces handling and transport costs.

Sites proposed for biosolids application that have a seasonal groundwater depth of less than 3' below the surface will be managed by a *Ground Water Protection Plan* detailed in the *Operations / Site Specific Land Application Plan*.

The Washington State Department of Ecology Publication #93-80, *Biosolids Management Guidelines for Washington State* as revised in July 2000, and any subsequent revisions, shall be used a guide for site selection. Additional site selection and design assistance is provided by University of Washington and Washington State University biosolids researchers, extension agents, or professional soil scientists.

3) SITE MANAGEMENT

Fire Mountain Farms will manage all sites in accordance with Chapter 173-308 WAC, any applicable *Operations/ Site Specific Land Application Plan(s)*, and all conditions noted in the letter providing Final Coverage under the *General Permit for Biosolids Management*.

4) ADVANCE NOTICE TO THE PERMITTING AUTHORITY FOR NEW OR EXPANDED LAND APPLICATION SITES.

The following outlines the procedure for proposing a new land application site or expansion of an existing land application site under this General Land Application Plan:

- Advance notice to the Department of Ecology that includes the information contained in WAC 173-308-90003, Appendix 3: Items 1, 2, 7, 8, 9, 12, and 13. This information may be submitted electronically or by hard copy to the regional Biosolids Coordinator.
- Review of the site by Ecology;
- Concurrence of both Fire Mountain Farms, Inc. and Ecology about a land application site details to include, but not be limited to: 1) field size and location, 2) buffers, 3) truck access, 4) biosolids on-site storage, 5) any application restrictions or requirements.
- SEPA checklist will be submitted to permitting authority if necessary

5) **ADVANCE PUBLIC NOTICE FOR NEW OR EXPANDED LAND APPLICATION SITES**

When a new land application site or expansion of an existing land application site is proposed, Fire Mountain Farms will complete the requirements listed in Section 4 above, ***Advance Notice to the Permitting Authority for New or Expanded Land Application Sites***. Subsequent to completion of those requirements, the site may be posted in accordance with WAC 173-308-310(13) (g), (h), (i), (j), and (k).

After the proposed site has been posted for a minimum of 30 days, Ecology shall evaluate any public comments received. Following that evaluation, Ecology shall provide Fire Mountain Farms a permitting decision in writing that either approves or denies coverage under the General Permit for Biosolids Management