

GENERAL LAND APPLICATION PLAN



*Application Sites Located in
Benton, Kittitas, Klickitat, and Yakima Counties*

Submitted as an addendum to
Natural Selection Farms' *Application for Coverage
Under the General Permit for Biosolids Management*

December 2, 2015

Preface

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

- Provide broad information about the geographical area where Natural Selection Farm (NSF) land applies biosolids;
- Set forth general site selection criteria where new fields can be identified and added to NSF permit coverage;
- Describe general management guidelines for areas receiving biosolids;
- Public Notice procedures for adding new fields to NSF's permit coverage.

1) Geographical Area

The following lists the names of all counties and water resource inventory areas (WRIA) where biosolids may be applied by NSF under their permit coverage:

County	Water Resource Inventory Area(s)	WRIA
Benton	Rock Glade, Lower Yakima	31, 37
Kittitas	Upper Yakima, Alkaki/Squilchuck	39, 40
Klickitat	Klickitat, Rock Glade	30, 31
Yakima	Lower Yakima, Naches, Upper Yakima	37, 38, 39

2) Site Selection Criteria

NSF 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 for 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 conditions not suitable for land application of biosolids:

- Anaerobic soil conditions (presence of gleyed soils or mottling);
- Hardpans or lithic layers within 12 inches of the surface;
- Slopes exceeding 25%;
- Sites immediately adjacent to residential areas.

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 as a guide for site selection. Additional site selection and design assistance is provided by University of Washington, Washington State University biosolids researchers, extension agents, or professional soil scientists.

3) Site Management

NSF will manage all sites in accordance with WAC 173-308, the *Operations/Site Specific Land Application Plan*, and any 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 NSF and Ecology about land Application Site details to include, but not be limited to: 1) field size, 2) buffers, 3) truck access, 4) biosolids on-site storage, 5) any application restrictions or requirements.

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, NSF will complete the requirements listed in Section 4 (above), **Advance Notice to the Permitting Authority for New or Expanded Land Application Sites**. Once Ecology sends written acknowledgement that they have received adequate drafts of WAC 173-308-90003, Appendix 3: Items 1, 2, 7, 8, 9, 12, and 13, NSF will post the site 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 and provide NSF a permitting decision in writing (approval or disapproval of the site).

The process of documenting expansion shall include the following general process:

- 1) NSF will provide Ecology with maps meeting the requirements listed in Appendix 3, item #9;
- 2) Ecology will evaluate and acknowledge receipt of the map(s);
- 3) Ecology will inspect the site;
- 4) NSF will post the site with appropriate public notice signs—see attached;
- 5) NSF will contact, in writing, all appropriate persons on their Interested Parties list and provide documentation of such contact to Ecology;
- 6) Ecology will evaluate all comments received during the official comment period;
- 7) Ecology will make a permitting decision subsequent to comment evaluation;
- 8) Ecology will notify NSF of the permitting decision by email;
- 9) NSF will maintain a Permitted Field List and will add the new area to the list and send that updated list to Ecology within 14 calendar days;
- 10) The most recently dated Permitted Field List will document the permitted land base.

PUBLIC NOTICE

Notice is hereby given that Natural Selection Farms submitted an application to the Department of Ecology to expand coverage under the General Permit for Biosolids Management to apply biosolids to this site. Our permit application includes a Site Specific Land Application Plan that describes how biosolids would be managed at this site. Our permit application also includes a General Land Application Plan that describes how future application sites will be identified and managed.

To comment on this proposal or to request a public hearing or meeting, you must send written comment or request to the Department of Ecology contact listed below by [Insert Date Here].

If you wish to be included on an interested parties list to receive notification of activities relating to this project, please notify, in writing, the Natural Selection Farms contact listed below. Natural Selection Farms will provide written confirmation by certified mail, return receipt requested, to each interested person or organization that their name has been placed on the list.

Contacts for questions, comments, or request:

Natural Selection Farms	Department of Ecology	
P.O. Box 419 Sunnyside, WA 98944 (509) 837-3501	Peter Severtson 303 S. Mission Wenatchee, WA 98801 (509) 665-5381	

It is a violation of law for any person to remove this sign during the public notice period.