

*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.

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

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

## **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

**WAC 197-11-970 Determination of Non-Significance (DNS).**

DETERMINATION OF NON-SIGNIFICANCE

**Description of proposal:** Continued Coverage under Washington State's General Permit for Biosolids Management. Fire Mountain Farms operates as a Beneficial Use Facility permitted to land apply Class B biosolids at several sites throughout the state. This DNS and checklist is considered programmatic, covering the application itself and associated documents. As new sites are proposed for addition to FMF's permit coverage a site specific SEPA evaluation may be necessary.

**Proponent:** Fire Mountain Farms owned by Robert Thode

**Location of proposal, including street address, if any:**

General Land Application Plan includes:

Adams County	Pacific County
Asotin County	Pend Oreille County
Columbia County	Pierce County
Ferry County	Garfield County
Franklin County	Grant County
Grays Harbor County	Spokane County
Lewis County	Stevens County
Lincoln County	Thurston County
Mason County	Wahkiakum County
Walla Walla County	Whitman County

**Lead agency:** Washington State Department of Ecology

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

There is no comment period for this DNS.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 30 days from the date below.

Issue date: 5/5/16

Comments must be submitted by: 6/4/16

**Responsible official:** Peter Lyon

**Position/title:** Department of Ecology Southwest Regional Office Section Manager

**Phone:** (360) 407-6381

**Address:** P.O. Box 47600, Olympia WA 98504-7600

**Date:** 5/2/16

**Signature:** \_\_\_\_\_

*Peter Lyon*

## **SEPA ENVIRONMENTAL CHECKLIST**

### ***Purpose of checklist:***

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

### ***Instructions for applicants:***

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

### ***Instructions for Lead Agencies:***

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

The help links in this checklist are intended to assist users in accessing guidance on the checklist questions. Links are provided to the specific sections of the guidance applicable to the questions. However, the links may not work correctly on all devices. If the links do not work on your device, open the guidance at [www.ecy.wa.gov/programs/sea/sepa/apguide/EnvChecklistGuidance.html](http://www.ecy.wa.gov/programs/sea/sepa/apguide/EnvChecklistGuidance.html) and navigate to the appropriate section.

### ***Use of checklist for nonproject proposals:*** [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

## A. Background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

**Application for Coverage Under the Statewide General Permit for Biosolids Management**

2. Name of applicant: [\[help\]](#)

**Fire Mountain Farms, Inc.  
Contact: Ryan Thode**

3. Address and phone number of applicant and contact person: [\[help\]](#)

**856 Burnt Ridge Road  
Onalaska, WA 98570  
(360) 266-0695 –Office**

4. Date checklist prepared: [\[help\]](#)

**April 29, 2016**

5. Agency requesting checklist: [\[help\]](#)

**Washington State Department of Ecology**

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

**This SEPA checklist is for Application for Coverage Under the Statewide General Permit for Biosolids Management**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

**Fire Mountain Farms, Inc. continues to adjust to changing markets and demand. SEPA will be followed, if required, for any new additions or expansions proposed. Coverage under the Statewide General Permit for Biosolids Management will allow for applications in future years of Class B biosolids from any source.**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

**Biosolids applied to fields will be analyzed as required under state and federal law. Site Specific Land Application Plan (SSLAP) has been prepared and is part of our application for amendment of our Coverage Under Statewide General Permit for Biosolids Management.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. [\[help\]](#)

**Other than the Site Specific Land Application Plan no other proposals**

**are known to be pending at this time.**

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

**Amendment to Coverage Under Statewide General Permit No. BT9902 and the approval of our Site Specific Land Application Plan by Department of Ecology are the only action known to be required. Site specific SEPA DNSs and DNS reviews**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) [\[help\]](#)

**Biosolids will be applied to agricultural and/or timber lands at agronomic rates for beneficial value of nutrients and as a soil conditioner and soil builder. Application will be when soil and crop conditions are appropriate.**

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [\[help\]](#)

**Our base is 856 Burnt Ridge RD Onalaska, WA 98570  
Please see Site specific SEPAs for mor detailed locations.**

## **B. ENVIRONMENTAL ELEMENTS** [\[help\]](#)

1. Earth [\[help\]](#)

a. General description of the site: [\[help\]](#)

(circle one):  Flat,  rolling,  hilly,  steep slopes,  mountainous, other \_\_\_\_\_

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

**The steepest slope(s) in the proposed application areas are less than 20%.**

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)

**Please see Site specific SEPAs for more detailed information.**



- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

**No indication of unstable soils has been found on sites during our investigations, nor have any unstable soils been known to be present by those now managing the land.**

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

**None.**

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

**Erosion is unlikely but could occur during rare events such as 100 year storm event, as a result of normal agricultural activities, best management practices are followed to minimize this risk. Erosion will not occur as a result of this project.**

**Biosolids are soil conditioners. A short time after biosolids are applied, the soil will resemble a rich, organic top soil. The organic matter increases water retention and retains nutrients in the soil, similar to the effects of peat moss, and helps plants withstand drought. It also permits easier root penetration. In addition, the organic matter improves soil structure, making the soil easier to work. Adding biosolids to the soil can improve water retention and accelerate plant establishment, thereby potentially reducing storm water runoff and erosion.**

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)

**Less than 2% of the sites is currently covered with impervious surface, primarily farm roads and farm buildings. No additional impervious surfaces beyond what currently exists are planned at this time.**

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

**None.**

## 2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

**There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors vary depending on source and method of treatment used. There will also be emissions from equipment used to pump and spread biosolids (tractors) and emissions from trucks hauling equipment and personnel.**

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

**Off-site odors should not be a problem as the current uses of this site are agriculture / forestry.**

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

**There are no proposed measures to reduce or control emission or other impact to the air.**

### 3. Water [\[help\]](#)

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [\[help\]](#)

**Please see Site specific SEPA's for more detailed information.**

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. [\[help\]](#)

**Application will occur within 200 feet of surface water on most sites. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water. Biosolids application is a standard farming practice . Please see Site specific SEPA's for more detailed information.**

2) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. [\[help\]](#)

**None.**

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

**No.**

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

[\[help\]](#)

**Please see Site specific SEPA's for more detailed information. Several sites come with in the 100 yr flood plane.**

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. [\[help\]](#)

**No.**

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities

withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

**No.**

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)

**No waste material will be discharged into the ground. Biosolids will be applied to the soil surface or worked in. The law (RCW 7095J. The rules is 173-308WAC) now defines Biosolids as a valuable resource and regulates its use to protect human health and the environment. Application rates will be based on plant nutrient needs in order to minimize the risk of Nutrient leaching.**

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [\[help\]](#)

**The only source of would be normal rain fall on agricultural and timber ground, there will be no change to slight reduction in run off from current condition.**

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)  
**The only source of runoff will be normal rainfall. The site will remain in agricultural or timber crops; thus runoff should not present a problem. Proposed activity will increase organic matter in the soil through the application of biosolids, increasing infiltration rates and water retention and decreasing runoff problems. Land application will only take place when soil and crop conditions are appropriate.**

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

**No.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

**Agricultural best management practices will be followed to prevent surface, ground, and runoff water impacts. These will include application methods, applying at agronomic rates and adequate vegetated buffers of 10 meters or more, from surface water (dependent on slope, soil type and ground cover these could be wider).**

4. Plants [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

- deciduous tree: alder, maple, aspen, other  
 evergreen tree: fir, cedar, pine, other  
 shrubs  
 grass  
 pasture  
 crop or grain  
 Orchards, vineyards or other permanent crops.  
 wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other  
 water plants: water lily, eelgrass, milfoil, other  
 other types of vegetation

**Most types of vegetation native to the local area can be found on site.  
No application will occur in water bodies or wetland areas.**

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

**Other than normal agricultural activities, no vegetation needs to be removed. Vegetation may be altered by increasing nutrient availability and therefore increasing vegetative growth.**

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

**Please see Site specific SEPA's for more detailed information.**

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

**No landscaping is planned for this site.**

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

**Please see Site specific SEPA's for more detailed information.**

5. Animals [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

birds:   
mammals:  other: Coyote  
fish: bass,

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

**None known to be on sites. After reviewing the Washington State Threatened and Endangered listing of species, no justification was found to suspect any threatened or endangered species to be present on this site.**

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

**Several Species of Migrating Birds pass through the areas, yet the minimal amount of increased activity proposed at this site should not restrict their use of the site as a stop over.**

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

**The application of biosolids to farm land will increase feed availability for wildlife. Biosolids application enhances the growth of vegetation by providing nutrients needed for plant growth.**

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

**None are known.**

6. Energy and Natural Resources [\[help\]](#)

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [\[help\]](#)

**The only energy required for the project will be diesel fuel for operation of application equipment.**

b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe. [\[help\]](#)

**No.**

c. What kinds of energy conservation features are included in the plans of this proposal?

List other proposed measures to reduce or control energy impacts, if any: [\[help\]](#)

**None.**

7. Environmental Health [\[help\]](#)

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?

If so, describe. [\[help\]](#)

**Potential pollutants in biosolids include nitrogen, metals, pathogens (disease causing organisms), and synthetic organic compounds. Potential pollutants are regulated and all sources will be within standards. Biosolids are not classified as hazardous or dangerous wastes by the Washington State Department of Ecology. The producer of the biosolids is required to have certified laboratories periodically analyses the biosolids to check quality.**

1) Describe any known or possible contamination at the site from present or past uses.

[\[help\]](#)

**None.**

2) Describe existing hazardous chemicals/conditions that might affect project development

and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)

**None.**

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)

**Diesel fuel and lubricants will be on site during project operation.**

- 4) Describe special emergency services that might be required. [\[help\]](#)

**The types of hazards that exist do not require any special emergency services beyond those that might be needed for normal agricultural activities.**

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

**Humans are at little risk from biosolids-borne pathogens when biosolids are properly treated and handled. The soil environment, hostile to human pathogens, serves as the final phase in the pathogen removal process. Based on the type of biosolids used, the land will be managed to control human contact with pathogens. We will limit public access during the required period of time specified in 173-308-210 WAC. Regulations require buffer zones around some biosolids applications.**

**Biosolids recycling sites control metal uptake into the food chain by limiting biosolids application to those meeting stringent quality standards. Only biosolids meeting current 173-308-160 WAC "Table 3" for metals will be recycled on this site. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids, or from other fertilizers, can pollute ground water or surface water and can reduce crop quality. For this reason, the project will apply biosolids to land based on the amount of biosolids-supplied N needed by the crop.**

**Biosolids application site will meet Chapter 173-308 WAC, Biosolids Management guidelines, and follow approved Site Specific Land Application Plan.**

- b. Noise [\[help\]](#)

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)

**None.**

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. [\[help\]](#)

**Operation of typical agricultural equipment will create noise during normal operating hours. We are proposing no limitations on daily timing of applications or restrictions for holidays. From a practical standpoint, applications will normally occur during daylight hours, and we do not normally work on holidays. There may be occasions where we need to deviate from the normal schedule, such as trying to get a crop planted prior to the rains coming in. All noise will be consistent with typical agricultural practices and the noises associated with those activities.**

3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

**None proposed other than normal exhaust mufflers on equipment.**

8. Land and Shoreline Use [\[help\]](#)

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

**The historic uses of this site are agriculture and forestry. For adjacent parcels information site specific SEPAs for more detailed information.**

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

**This sites has been used for agricultural and timber production. Plans are to retain site in these uses.**

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [\[help\]](#)

**No.**

c. Describe any structures on the site. [\[help\]](#)

**Please see Site specific SEPAs for more detailed information.**

d. Will any structures be demolished? If so, what? [\[help\]](#)

**No.**

e. What is the current zoning classification of the site? [\[help\]](#)

**Please see Site specific SEPAs for more detailed information.**

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

**Please see Site specific SEPAs for more detailed information.**

g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

**Please see Site specific SEPAs for more detailed information.**

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

**No.**

i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

**Please see Site specific SEPA's for more detailed information. This project will not change the number of housing units on our sites.**

j. Approximately how many people would the completed project displace? [\[help\]](#)

**None.**

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

**None.**

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

**Proposal will improve the economic viability of the current agricultural uses, as such will provide added incentives to keep this land in natural resources production. Biosolids application is a normal and customary agricultural practice.**

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

**None.**

## 9. Housing [\[help\]](#)

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

**None.**

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

**None.**

c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

**None.**

## 10. Aesthetics [\[help\]](#)

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#)

**No structures are proposed.**

b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

**None.**



- b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

**None.**

11. **Light and Glare** [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

**Other than normal lighting from vehicles, no light or glare would be produced from this project.**

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

**No.**

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

**None.**

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

**None.**

12. **Recreation** [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

**These sites has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist.**

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

**No.**

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

**None.**

13. **Historic and cultural preservation** [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe. [\[help\]](#)

**No.**

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

**No.**

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of

archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

**Through project evaluation and discussion with long time property owners.**

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)

**None.**

#### 14. Transportation [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

**Please see Site specific SEPA's for more detailed information.**

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)

**Please see Site specific SEPA's for more detailed information.**

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

**None.**

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)

**No.**

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

**No.**

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)

**Expected vehicular trips per day will normally be from one to fifty Class 8 trucks per day to this site during application times. There will also be passenger vehicle and/or service truck use of one to 10 trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.**

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)

**No.**

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

**None.**

15. **Public Services** [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)

**No.**

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

**None.**

16. **Utilities** [\[help\]](#)

a. Circle utilities currently available at the site: [\[help\]](#)

**electricity**, natural gas, water **refuse service, telephone**, sanitary sewer,

**septic system**,

other \_\_\_\_\_

**Please see Site specific SEPA's for more detailed information.**

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. [\[help\]](#)

**No utilities will be needed for this project.**

**C. Signature** [\[help\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: \_\_\_\_\_

Name of signee RYAN THODE

Position and Agency/Organization V.P. OPERATIONS

Date Submitted: April 29, 2016