

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 in Lewis County. It should be noted that the checklist addresses more sites than this DNS issuance covers. Only the three units listed below are relevant to this DNS.

Proponent: Fire Mountain Farms owned by Robert Thode

Location of proposal, including street address, if any:

Mill Creek Unit: 723 Johnson Rd
Onalaska, WA 98570
Parcels: 03339800000, 03344000000

Middle Fork Unit: 1633 Middle Fork Rd
Onalaska, WA 98570
Parcels: 032523003000, 032523002000, 032537001001

North Fork Unit: 246 Lucus Creek Rd
Chehalis, WA 98532
Parcels: 016828006000, 016828007000, 016829001000, 016829000000, 016847000000, 016837002000, 016829001000

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: May 5, 2016

Comments must be submitted by: June 4, 2016

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: _____



**State Environmental Policy Act
SEPA
Checklist**

**Amendment to
Coverage Under Statewide Permit
for
Biosolids Management**

Lewis County Sites

**Fire Mountain Farms, Inc.
856 Burnt Ridge Road
Onalaska, Washington**

February, 2016

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

A. BACKGROUND

1. Name of proposed project, if applicable:

Amendment to Application for Coverage Under the Statewide General Permit for Biosolids Management

2. Name of Applicant:

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

3. Address and phone number of applicant and contact person:

***856 Burnt Ridge Road
Onalaska, WA 98570
(360) 266-0695 – Operations Office
(360) 508-0904 – Cell***

4. Date checklist prepared:

February 2, 2016

5. Agency requesting checklist:

Washington State Department of Ecology

6. Proposed timing or schedule (including phasing, if applicable):

This amended SEPA checklist is for current and ongoing operations under the Statewide General Permit for Biosolids Management, and extending the coverage to additional fields.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Fire Mountain Farms, Inc. continues to adjust to changing markets, demand and Department of Ecology's changing interpretation of WAC. SEPA will be followed, if required, for any new additions or expansions proposed.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

Biosolids applied to fields will be analyzed as required under state and federal law. Site Specific Land Application Plans (SSLAP) have 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.

Other than the Site Specific Land Application Plans no other proposals are known to be pending at this time.

10. List any governmental approvals or permits that will be needed for your proposal, if known.

Amendment to Coverage Under Statewide General Permit No. BT9902 and the approval of our Site Specific Land Application Plans by Department of Ecology are the only actions known to be required.

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.)

Biosolids will be applied to agricultural and forest land at agronomic rates for beneficial value of nutrients and as a soil conditioner and soil

builder. Application will be during the drier months, from March until the soil becomes saturated each year. Biosolids will be delivered to sites. Site Specific Land Application Plans are provided as part of Amendment to Application for Coverage Under the Statewide General Permit for Biosolids Management. These plans are available for review.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your 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.

Additional maps and location information is included in Site Specific Land Application Plans.

Big Hanaford Unit

**Sections: 26 & 27, Township: 15N, Range: 2W, WM
Latitude: 46° 44' 59.82" Longitude: 122° 54' 57.32"
167 Big Hanaford Rd, Centralia, WA 98531**

Bunker Creek Unit

**Sections: 4, 5 & 6, Township: 13N, Range: 3W, WM
Latitude: 46° 38' 19.02" Longitude: 123° 04' 49.58"
Latitude: 46° 38' 46.68" Longitude: 123° 04' 53.52"
345 & 653 Bunker Creek Rd, Chehalis, WA 98532
Revision – adding new fields**

Burnt Ridge Ranch Unit

**Section: 19,20 & 29, Township: 13N, Range: 2E, WM
Latitude: 46° 35' 49.00", Longitude: 122° 35' 31.89"
874 & 1099 Burnt Ridge Road, Onalaska, WA 98570**

Homestead Unit

**Section: 20 & 29, Township: 13N, Range: 2E, WM
Latitude: 46° 35' 23.54", Longitude: 122° 35' 00.83"
1099 Burnt Ridge Road, Onalaska, WA 98570**

Newaukum Hill Unit

**Section: 17, Township: 13N, Range: 02W, WM
Latitude: 46° 36' 33.82", Longitude: 122° 57' 16.71"
985 Highway 603, Chehalis, WA 98532**

Lincoln Creek Unit

**Sections: 32, 34 & 35, Township: 15N, Range: 4W, WM
Section: 5, Township: 14N, Range: 4W, WM
Latitude: 46° 44' 50.76", Longitude: 123° 09' 42.5"**

Latitude: 46° 44' 08.71", Longitude: 123° 12' 21.23"
1688 & 2240 Lincoln Creek Road, Centralia, WA 98531
Revision – adding new fields

Middle Fork Unit

Section: 17, Township: 13N, Range: 1E, WM
Latitude: 46° 36' 35.17", Longitude: 122° 41' 54.68"
1633 Middle Fork Road, Onalaska, WA 98570

Mill Creek Unit

Section: 29 & 32, Township: 13N, Range: 2E, WM
Latitude: 46° 34' 31.79", Longitude: 122° 35' 32.85"
723 Johnson Road, Onalaska, WA 98570

Newaukum Prairie Unit

Sections: 13, 24, & 25, Township: 13N, Ranges: 2W, WM
Section: 30, Township: 13N, Range: 1W
Latitude: 46° 34' 45.53", Longitude: 122° 51' 56.31"
Latitude: 46° 36' 19.84", Longitude: 122° 52' 28.58"
349 SR 508, Chehalis, WA 98532

North Fork Unit

Sections 2, Township 13N, Range 1W
Lat 46° 38' 35 N, Long 122° 46' 37" W 79" W
1131 North Fork Road, Chehalis, WA 98532

Maps are provided with additional site information along with the Amendment to Application for Coverage Under the Statewide General Permit for Biosolids Management. These maps are available for review. Attached to this SEPA checklist are general site location maps.

B. ENVIRONMENTAL ELEMENTS

1. EARTH

- a. *General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other...*

Big Hanaford Unit

FLAT

Bunker Creek Unit

ROLLING

Burnt Ridge Ranch Unit

HILLY

Homestead Unit
FLAT to HILLY

Newaukum Hill Unit
FLAT and ROLLING

Lincoln Creek Unit
FLAT/HILLY

Middle Fork Unit
FLAT/ROLLING

Mill Creek Unit
FLAT/ ROLLING

Newaukum Prairie Unit
FLAT

North Fork Unit
FLAT/ ROLLING

b. What is the steepest slope on the site (approximate percent slope)?

Big Hanaford Unit
3%

Bunker Creek Unit
4%

Burnt Ridge Ranch Unit
20%

Homestead Unit
20%

Newaukum Hill Unit
18%

Lincoln Creek Unit
15%

Middle Fork Unit
15%

Mill Creek Unit
20%

Newaukum Prairie Unit

2%

North Fork Unit

3%

- c. What general types of soil 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 prime farmland.

Big Hanaford Unit

Cloquato silt Loam, Reed silty clay loam, Godfrey silty clay loam

Bunker Creek Unit

Aquic Xerofluvents over flow, Chehalis silty clay, Newberg fine sandy loam, Reed silty clay loam, Reed silty clay loam channeled, river wash

Burnt Ridge Ranch Unit

Cinebar silt loam, Galvin silt loam, Lacamas silt loam

Homestead Unit

Cinebar silt loam, Lacamas silt loam

Newaukum Hill Unit

Prather Silty clay loam, Salkum Silty clay Loam

Lincoln Creek Unit

Alvor silty clay loam, Buckpeak silt loam, Galvin Silt loam, Melbourne loam, Reed silty clay loam

Middle Fork Unit

Lacamas silt loam, Prather silty clay loam, Salkum silty clay loam

Mill Creek Unit

Cinebar silt loam, Galvin silt loam, Lacamas silt loam

Newaukum Prairie Unit

Lacamas silt loam, Prather silty clay loam, Salkum silty clay loam

North Fork Unit

Aquic Xerofluvents over flow, Chehalis silty clay, Newberg fine sandy loam, Reed silty clay loam

Soils for these sites range from heavy clay to sand. Each soil type has advantages. By having a variety of soil conditions available to us, we can match application times and field conditions. Soils information for each site is available as part of Site Specific Land Application Plans.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Big Hanaford Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans.

Bunker Creek Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans. Site borders the Chehalis River which can erode during high flows.

Burnt Ridge Ranch Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans.

Homestead Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans

Newaukum Hill Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans

Lincoln Creek Unit

No indications of unstable soil have been found on any of these sites during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans. Site is subject to flooding during high water events which could erode soil.

Middle Fork Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans

Mill Creek Unit *No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farm. Topographical maps are provided as part of Site Specific Land Application Plans*

Newaukum Prairie Unit

No indications of unstable soil have been found on this site during our investigations, nor have any unstable soils been known to be present by those now managing the farms. Topographical maps are provided as part of Site Specific Land Application Plans

North Fork Unit

No indications of unstable soil have been found on any of these sites during our investigations, nor have any unstable soils been known to be present by those now managing the farms. Topographical maps are provided as part of Site Specific Land Application Plans

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Big Hanaford Unit

Other than storage structures and areas to provide concrete staging areas, there are no plans to do any major filling or grading on any of the sites in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed

Bunker Creek Unit

Other than areas to provide concrete staging areas, there are no plans to do any major filling or grading on any of the sites in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed.

Burnt Ridge Ranch Unit

Other than storage structures and areas to provide concrete staging areas, there are no plans to do any major filling or grading on any of the sites in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed.

Homestead Unit

Other than storage structures and areas to provide concrete staging areas, there are no plans to do any major filling or grading on any of the sites in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed.

Newaukum Hill Unit

Other than storage structures and areas to provide concrete staging areas, there are no plans to do any major filling or grading on any of the sites in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed

Lincoln Creek Unit

Other than storage structures and areas to provide concrete staging areas, there are no plans to do any major filling or grading on this site in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed

Middle Fork Unit

Other than areas to provide concrete staging areas, there are no plans to do any major filling or grading on this site in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed

Mill Creek Unit

Other than areas to provide concrete staging areas, there are no plans to do any major filling or grading on this site in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed

Newaukum Prairie Unit

Other than storage structures and areas to provide concrete staging areas, there are no plans to do any major filling or grading on this site in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed

North Fork Unit

Other than areas to provide concrete staging areas, there are no plans to do any major filling or grading on this site in relation to this project. Any fill material will be from onsite or rock will be hauled in from local rock pits to maintain and construct roads or pads as needed.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Big Hanaford Unit

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 being 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.

Bunker Creek Unit

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Burnt Ridge Ranch Unit

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Homestead Unit

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Newaukum Hill Unit

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Lincoln Creek Unit

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Middle Fork Unit

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 being 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.

Mill Creek Unit

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 being 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.

Newaukum Prairie Unit

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Biosolids are soil conditioners. A short time after biosolids being 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.

North Fork Unit

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 being 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?

Big Hanaford Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas and storage structures will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Bunker Creek Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Burnt Ridge Ranch Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas and storage structures will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Newaukum Hill Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas and/or storage structures will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Lincoln Creek Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas and storage structures will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Middle Fork Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas and

storage structures will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Mill Creek Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas and storage structures will be the only additional impervious areas added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

Newaukum Prairie Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas will be the only additional impervious areas that may be added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

North Fork Unit

Less than 2% of site will be covered with impervious surfaces (concrete pads for dump sites, roads and current buildings). We do not anticipate any additional farm roads at this time. Concrete staging areas will be the only additional impervious areas that may be added in relation to this project (s). The addition of organic matter to the soil will increase soil water holding capacity and aid in reducing runoff.

- h. Proposed measure to reduce or control erosion, or other impacts to the earth, if any.

Big Hanaford Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Bunker Creek Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Burnt Ridge Ranch Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained.

Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Homestead Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Newaukum Hill Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Lincoln Creek Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Middle Fork Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Mill Creek Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

Newaukum Prairie Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

North Fork Unit

As an added protective measure against erosion, a vegetated buffer zone of 10 meters minimum setback from surface water will be maintained. Also the addition of organic matter to the soil will increase soil water holding capacity and aid in reducing risk of runoff.

2. AIR

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, and odors, industrial and wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Big Hanaford Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts when feasible. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Bunker Creek Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Burnt Ridge Ranch Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Homestead Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Newaukum Hill Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will

vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture. Due to the number of residential units that have been built near this farm we will make efforts to match material with low odor potential to this site.

Lincoln Creek Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Middle Fork Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. We make efforts to match material with low odor potential to those sites with greater likelihood of odor impact. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Mill Creek Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

Newaukum Prairie Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will

vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

North Fork Unit

There is an odor associated with the spreading of biosolids. Most of this odor dissipates quickly and what lingers is a musty smell. Odors will vary depending on source and method of treatment used. There will also be emissions from equipment used to load and spread biosolids (tractors) and emissions from trucks delivering biosolids to the sites. Each site presents a different set of potential impacts from odor, thus we alter application methods and material source to mitigate impacts. In all cases impact from odor will not be more than other commonly used organic fertilizers used in agriculture.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Big Hanaford Unit

Off-site odors should not be a problem as the current uses of this site is agriculture. Primarily cattle production with some timber in riparian management zones.

Bunker Creek Unit

Off-site odors should not be a problem as the current uses of this site is agriculture, Primarily annual crops and hay production. There is a large dairy across the road that produces odor but this should not effect our operations.

Burnt Ridge Ranch Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry. Cattle production, hay and commercial timber production, with some experimental areas such as our chestnut orchard.

Homestead Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry, primarily cattle pasture and hay.

Newaukum Hill Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry. Land is a split of hay and timber production.

Lincoln Creek Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry. Currently in hay and timber production but has been used for annual crop production in the past.

Middle Fork Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry. Currently used for pasturing cattle and

Mill Creek Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry. Currently used for livestock and timber production.

Newaukum Prairie Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry, currently most in hay and pasture production.

North Fork Unit

Off-site odors should not be a problem as the current uses of this site is agriculture / forestry, most in hay or pasture production.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any.

Big Hanaford Unit

We have constructed storage on this site that will allow for a shorter time frame when odor impacts might exist.

Bunker Creek Unit

Application times and methods that help prevent the odors associated with biosolids from causing a problem off site will be implemented when feasible. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, and working material into the soil, timing application to coordinate with effected individuals to produce the least impact.

Burnt Ridge Ranch Unit

We have constructed storage on this site that will allow for a shorter time frame when odor impacts might exist.

Homestead Unit

We have constructed storage on this site that will allow for a shorter time frame when odor impacts might exist.

Newaukum Hill Unit

We have constructed small storage unit on this site that will allow for shorter time frame when odor impacts might exist. Application times and methods that help prevent the odors associated with biosolids from causing a problem off site will be implemented when feasible. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, and working material into the soil, timing application to coordinate with effected individuals to produce the least impact.

Lincoln Creek Unit

Application times and methods that help prevent the odors associated with biosolids from causing a problem off site will be implemented if needed and feasible. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, working material into the soil, liquefying and injecting into soil, timing application to coordinate with effected individuals to produce the least impact. Constructing storage on sites would allow for a shorter time frame when odor impacts might exist.

Middle Fork Unit

Application times and methods that help prevent the odors associated with biosolids from causing a problem off site will be implemented when feasibly. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, and working material into the soil, liquefying and injecting into soil, timing application to coordinate with effected individuals to produce the least impact.

Mill Creek Unit

Application times and methods that help prevent the odors associated with biosolids from causing a problem off site will be implemented when feasible. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, and working material into the soil, liquefying and injecting into soil, timing application to coordinate with effected individuals to produce the least impact.

Newaukum Prairie Unit

Application times and methods that help prevent the odors associated with biosolids from causing a problem off site have been implemented. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, and working material into

the soil, liquefying and injecting into soil, timing application to coordinate with effected individuals to produce the least impact. Storage has been constructed on site that allows for a shorter time frame when odor impacts might exist. Storing in lagoon has greatly reduced odor.

North Fork Unit

Application times and methods that help prevent the odors associated with biosolids from causing a problem off site will be implemented when feasibly. These can include some or all of the following: Timing application in problem areas so as to take advantage of hot weather for fast drying, applying when wind direction is favorable, and working material into the soil, liquefying and injecting into soil, timing application to coordinate with effected individuals to produce the least impact. Constructing storage on sites would allow for a shorter time frame when odor impacts might exist.

3. WATER

a. Surface

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.

Big Hanaford Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

Big Hanaford Creek crosses this farm, the confluence of the South Fork of Big Hanaford Creek and the North Fork of Big Hanaford Creek is on the east side of site. Big Hanaford Creek is a fish bearing stream. There are also seasonal drainage ditches crossing site.

Bunker Creek Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

The Chehalis River borders this farm as well as an unnamed creek. Both are fish bearing streams.

Burnt Ridge Ranch Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water,

we will maintain a minimum of 10 meters to surface water, including seasonal streams.

Three creeks cross or originate on this farm. All are tributaries to Mill Creek which is a fish bearing stream. There are two constructed ponds on this site.

Homestead Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

A small stream and outflow from a constructed pond are on this farm. All are tributaries to Mill Creek which is a fish bearing stream.

Newaukum Hill Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams. A small spring and seasonal stream are on site.

Lincoln Creek Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

Lincoln Creek and an unnamed seasonal stream cross this farm as well as some drainage ditches. Lincoln Creek is a fish bearing stream.

Middle Fork Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

There is an unnamed stream that flows across the timbered area of this farm, several beaver dams are on this stream segment.

Mill Creek Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

Mill Creek crosses this site as well as two unnamed tributary streams from the north. There are three constructed ponds and several beaver ponds on site.

Newaukum Prairie Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water,

we will maintain a minimum of 10 meters to surface water, including seasonal streams.

One perennial and three seasonal streams cross farm land on this site.

North Fork Unit

Surface water locations are noted on maps in Site Specific Land Application Plans. To prevent potential contamination of surface water, we will maintain a minimum of 10 meters to surface water, including seasonal streams.

Lucas Creek flows along the south side of this farm and the North Fork of the Newaukum River flows along the west side, both are fish bearing. Several drainage ditches cross the fields.

(All surface water and ditches are noted on maps for each site provided as part of the Amendment to Application for Coverage Under the Statewide General Permit for Biosolids Management. These maps are available for review.)

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.

Big Hanaford Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

Bunker Creek Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. See buffers as outlined in the Site Specific Land Application Plans.

Burnt Ridge Ranch Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

Homestead Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum

buffer of 10 meters to surface water, including seasonal stream. See buffers as outlined in the Site Specific Land Application Plans.

Newaukum Hill Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water. See buffers as outlined in the Site Specific Land Application Plans.

Lincoln Creek Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

Middle Fork Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

Mill Creek Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

Newaukum Prairie Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

North Fork Unit

Application will occur within 200 feet of surface waters. To prevent potential contamination of surface water, we will maintain a minimum buffer of 10 meters to surface water, including seasonal stream and ditches. The projects may involve crossing over surface water with piped biosolids. See buffers as outlined in the Site Specific Land Application Plans.

3) Estimate the amount of fill and dredge material that would be placed in or removed from the surface or wetlands and indicate the area of the site that would be affected. Indicate the sources and fill material.

Big Hanaford Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Bunker Creek Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Burnt Ridge Ranch Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Homestead Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Newaukum Hill Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Lincoln Creek Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Middle Fork Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Mill Creek Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

Newaukum Prairie Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

North Fork Unit

No amount of fill or dredge material is proposed to be placed or removed from the surface or wetlands.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

Big Hanaford Unit

No surface water withdrawals or diversions will be required.

Bunker Creek Unit

No surface water withdrawals or diversions will be required, there is existing water rights on this site for irrigation of fields.

Burnt Ridge Ranch Unit

No surface water withdrawals or diversions will be required for this project there is existing water rights on this site for irrigation and stock water.

Homestead Unit

No surface water withdrawals or diversions will be required for this project there is existing water rights on this site for fish propagation and stock water.

Newaukum Hill Unit

No surface water withdrawals or diversions will be required.

Lincoln Creek Unit

No surface water withdrawals or diversions will be required.

Middle Fork Unit

No surface water withdrawals or diversions will be required.

Mill Creek Unit

No surface water withdrawals or diversions will be required.

Newaukum Prairie Unit

No surface water withdrawals or diversions will be required.

North Fork Unit

No surface water withdrawals or diversions will be required.

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

Big Hanaford Unit

Some application areas are within the 100-year flood plain. Flood plain maps are included in Site Specific Land Application Plans.

Bunker Creek Unit

Some application areas are within the 100-year flood plain. Flood plain maps are included in Site Specific Land Application Plans.

Burnt Ridge Ranch Unit

None of this farm is within 100-year flood plain.

Homestead Unit

None of this farm is within 100-year flood plain.

Newaukum Hill Unit

None of this farm is within 100-year flood plain.

Lincoln Creek Unit

Some application areas are within the 100-year flood plain. Flood plain maps are included in Site Specific Land Application Plans.

Middle Fork Unit

None of this farm is within 100-year flood plain.

Mill Creek Unit

Some application areas are within the 100-year flood plain.

Newaukum Prairie Unit

None of this farm is within 100-year flood plain.

North Fork Unit

Some application areas are within the 100-year flood plain.

All sites within 100 year flood plain have flood maps in Site Specific Land Application Plan noting location of flood plain. These areas will be maintained in vegetation during the winter months.

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.

Big Hanaford Unit

The proposal does not involve any discharge of waste materials to surface water.

Bunker Creek Unit

The proposal does not involve any discharge of waste materials to surface water.

Burnt Ridge Ranch Unit

The proposal does not involve any discharge of waste materials to surface water.

Homestead Unit

The proposal does not involve any discharge of waste materials to surface water.

Newaukum Hill Unit

The proposal does not involve any discharge of waste materials to surface water.

Lincoln Creek Unit

The proposal does not involve any discharge of waste materials to surface water.

Middle Fork Unit

The proposal does not involve any discharge of waste materials to surface water.

Mill Creek Unit

The proposal does not involve any discharge of waste materials to surface water.

Newaukum Prairie Unit

The proposal does not involve any discharge of waste materials to surface water.

North Fork Unit

The proposal does not involve any discharge of waste materials to surface water.

b. Ground

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

Big Hanaford Unit

No water will be withdrawn other than by domestic well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

Bunker Creek Unit

No water will be withdrawn other than by water right or domestic well for minor uses such as use by onsite residents, and washing equipment. No water will be discharged to ground water.

Burnt Ridge Ranch Unit

No water will be withdrawn other than by water right or domestic well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

Homestead Unit

No water will be withdrawn other than by water right or domestic well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

Newaukum Hill Unit

No water will be withdrawn other than by domestic well for minor uses such as use by onsite residents, washing equipment. No water will be discharged to ground water.

Lincoln Creek Unit

No water will be withdrawn other than by water right or domestic well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

Middle Fork Unit

No water will be withdrawn other than by well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

Mill Creek Unit

No water will be withdrawn other than by for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

Newaukum Prairie Unit

No water will be withdrawn other domestic well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

North Fork Unit

No water will be withdrawn other than by domestic well for minor uses such as use by onsite residents, washing equipment and livestock water. No water will be discharged to ground water.

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 chemical....; 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.

Big Hanaford Unit

No waste material will be discharged into the ground. Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Bunker Creek Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Burnt Ridge Ranch Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Homestead Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Newaukum Hill Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Lincoln Creek Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Middle Fork Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Mill Creek Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

Newaukum Prairie Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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.

North Fork Unit

No waste material will be discharged into the ground.

Biosolids will be applied to the soil surface or worked into it. The law, (RCW 70.95J. The rule is - 173-308 WAC) now defines biosolids as a valuable resource and regulates its use in a manner 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 storm water)

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.

Big Hanaford Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

Bunker Creek Unit

The only source of runoff will be normal rainfall or irrigation water. The site will remain in agricultural 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.

Burnt Ridge Ranch Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

Homestead Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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 potential. Land application will only take place when soil and crop conditions are appropriate.

Newaukum Hill Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

Lincoln Creek Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

Middle Fork Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

Mill Creek Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

Newaukum Prairie Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

North Fork Unit

The only source of runoff will be normal rainfall. The site will remain in agricultural 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.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Big Hanaford Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Bunker Creek Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Burnt Ridge Ranch Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Homestead Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Newaukum Hill Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Lincoln Creek Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Middle Fork Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Mill Creek Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

Newaukum Prairie Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

North Fork Unit

Washington State law now refers to biosolids as a valuable resource and regulates its use in a manner to protect human health and the environment. If properly managed under the guidelines of the regulatory agencies, biosolids can be safely applied to the land with less risk than other options of fertilization. If best management practices are not followed, there is the potential for nutrients from biosolids to enter the ground or surface waters (primarily nitrates).

- d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any.

Big Hanaford Unit

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 from surface water.

Bunker Creek Unit

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 from surface water.

Burnt Ridge Ranch Unit

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 from surface water.

Homestead Unit

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 from surface water.

Newaukum Hill Unit

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 from surface water.

Lincoln Creek Unit

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 from surface water.

Middle Fork Unit

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 from surface water.

Mill Creek Unit

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 from surface water.

Newaukum Prairie Unit

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 from surface water.

North Fork Unit

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 from surface water.

4. PLANTS

- a. Check or circle types of vegetation found on the site:

Big Hanaford Unit

- X deciduous tree: **alder, maple**, aspen, **other (Ash)**
- X evergreen tree: **fir, cedar, pine**, other
- X shrubs
- X grass
- X pasture
- X crop or grain
- X wet soil plants: cattail, **buttercup, bullrush**, skunk cabbage, other

- X water plants: **water lily**, eelgrass, milfoil, **other**
- X other types of vegetation

Bunker Creek Unit

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

Burnt Ridge Ranch Unit

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

Burnt Ridge Ranch Unit

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

Homestead Unit

- X deciduous tree: **alder**, maple, aspen, other
- X evergreen tree: **fir**, cedar, pine, other
- X shrubs
- X grass
- X pasture
- X crop or grain

- X wet soil plants: cattail, buttercup, **bullrush**, skunk cabbage, other
- X water plants: water lily, eelgrass, milfoil, other
- X other types of vegetation

Newaukum Hill Unit

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

Lincoln Creek Unit

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

Middle Fork Unit

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

Mill Creek Unit

- X deciduous tree: **alder, maple**, aspen, other
- X evergreen tree: **fir, cedar**, pine, other

- X shrubs
- X grass
- X pasture
crop or grain
- X wet soil plants: cattail, **buttercup**,
bullrush, skunk cabbage, other
- X water plants: water lily, eelgrass, milfoil,
other
- X other types of vegetation

Newaukum Prairie Unit

- X deciduous tree: alder, maple, aspen, other
(oak)
- X evergreen tree: **fir, cedar**, pine, other
- X shrubs
- X grass
- X pasture
- X crop or grain
- X wet soil plants: **cattail**, buttercup,
bullrush, skunk cabbage, other
- X water plants: water lily, eelgrass, milfoil,
other
- X other types of vegetation

North Fork Unit

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

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

- b. What kind and amount of vegetation will be removed or altered?

Big Hanaford Unit

Other than normal agricultural and forestry activities, no vegetation needs to be removed. Vegetation may be altered by

increasing nutrient availability and therefore increasing vegetative growth.

Bunker Creek Unit

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

Burnt Ridge Ranch Unit

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

Homestead Unit

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

Newaukum Hill Unit

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

Lincoln Creek Unit

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

Middle Fork Unit

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

Mill Creek Unit

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

Newaukum Prairie Unit

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

North Fork Unit

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

- c. List threatened or endangered species known to be on or near the site. (Plants)

Big Hanaford Unit

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.

Bunker Creek Unit

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.

Burnt Ridge Ranch Unit

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.

Homestead Unit

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.

Newaukum Hill Unit

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.

Lincoln Creek Unit

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.

Middle Fork Unit

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.

Mill Creek Unit

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.

Newaukum Prairie Unit

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.

North Fork Unit

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.

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Big Hanaford Unit

No landscaping is planned for this site. Native plants have been planted as part of Conservation Reserve Enhancement Project.

Bunker Creek Unit

No landscaping is planned for this site.

Burnt Ridge Ranch Unit

No landscaping is planned for this site.

Burnt Ridge Ranch Unit

No landscaping is planned for this site.

Newaukum Hill Unit

No landscaping is planned for this site.

Lincoln Creek Unit

No landscaping is planned for this site. Native plants have been planted as part of Conservation Reserve Enhancement Project.

Middle Fork Unit

No landscaping is planned for this site.

Mill Creek Unit

No landscaping is planned for this site.

Newaukum Prairie Unit

No landscaping is planned for this site.

North Fork Unit

No landscaping is planned for this site.

5. ANIMALS

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

Big Hanaford Unit

birds: **hawk, heron, eagle, songbirds**, other:
 mammals: **deer, bear, elk, beaver**, other: (**coyote**)
 fish: **bass, salmon, trout**, herring, shellfish, other:

Bunker Creek Unit

birds: **hawk**, heron, eagle, **songbirds**, other:
 mammals: **deer**, bear, elk, beaver, other: (**coyote**)
 fish: bass, **salmon, trout**, herring, shellfish, other:

Burnt Ridge Ranch Unit

birds: **hawk, heron, eagle, songbirds**, other:
 mammals: **deer, bear, elk, beaver**, other: (**coyote**)
 fish: bass, salmon, trout, herring, shellfish, other:

Homestead Unit

birds: **hawk, heron, eagle, songbirds**, other:
 mammals: **deer, bear, elk, beaver**, other: (**coyote**)
 fish: bass, salmon, trout, herring, shellfish, other:

Newaukum Hill Unit

birds: **hawk**, heron, eagle, **songbirds**, other:
 mammals: **deer**, bear, elk, beaver, other: (**coyote**)
 fish: bass, salmon, trout, herring, shellfish, other:

Lincoln Creek Unit

birds: **hawk, heron, eagle, songbirds**, other:
 mammals: **deer, bear, elk, beaver**, other: (**coyote**)
 fish: bass, **salmon, trout**, herring, shellfish, other:

Middle Fork Unit

birds: **hawk**, heron, eagle, **songbirds**, other:
mammals: **deer**, bear, elk, **beaver**, other: (**coyote**)
fish: bass, salmon, trout, herring, shellfish, other:

Mill Creek Unit

birds: **hawk, heron, eagle, songbirds**, other:
mammals: **deer, bear, elk, beaver**, other: (**coyote**)
fish: bass, **salmon, trout**, herring, shellfish, other:

Newaukum Prairie Unit

birds: **hawk**, heron, **eagle, songbirds**, other:
mammals: **deer, bear**, elk, **beaver**, other: (**coyote**)
fish: bass, salmon, trout, herring, shellfish, other:

North Fork Unit

birds: **hawk**, heron, eagle, **songbirds**, other:
mammals: **deer**, bear, elk, beaver, other: (**coyote**)
fish: bass, **salmon, trout**, herring, shellfish, other:

Most birds and animals common to local area could be found on all these farms, if a more detailed list is required it could be provided. Several sites are adjacent to fish bearing streams. Large game animals frequent sites including Deer, Elk, Bear, Water fowl, Turkeys and Cougar, as well as non-game animals such as Coyote, Raccoon, Possum, and many other smaller animals.

- b. List any threatened or endangered species known to be on or near the site.

Big Hanaford Unit

After reviewing the Washington State threatened and endangered species listing of species, there may be salmon in Big Hanaford Creek, that may be threatened or endangered. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place this site within the management zone for the Marbled Murrelet. This birds' nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on this site. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Bunker Creek Unit

After reviewing the Washington State threatened and endangered species listing of species, there may be salmon in streams adjacent to site that may be threatened or endangered. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site are within the 50 mile flight radius of Southern Puget Sound. This may place those sites within the management zone for the Marbled Murrelet. This birds' nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on these sites. Some protected species, such as the Bald Eagle, have been noted close to this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Burnt Ridge Ranch Unit

After reviewing the Washington State threatened and endangered species listing of species, Creeks on site are tributaries to Mill Creek where there may be salmon that are threatened or endangered. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place this site within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on this site. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Homestead Unit

After reviewing the Washington State threatened and endangered species listing of species, Creeks on site are tributaries to Mill Creek where there may be salmon that are threatened or endangered. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place this site within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on this site. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Newaukum Hill Unit

After reviewing the Washington State threatened and endangered species listing of species we found no reason to suspect

threatened or endangered species are present on this site. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place those sites within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Lincoln Creek Unit

After reviewing the Washington State threatened and endangered species listing of species, there may be salmon in Lincoln Creek adjacent to site that are on threatened or endangered list. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place those sites within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on this site. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Middle Fork Unit

After reviewing the Washington State threatened and endangered species listing of species we found no reason to suspect threatened or endangered species are present on this site. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place this site within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on these sites. Our normal operations have been shown to be compatible with wildlife normally present locally.

Mill Creek Unit

After reviewing the Washington State threatened and endangered species listing of species, there may be salmon in Mill Creek that crosses site that may be threatened or endangered. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site are within the 50 mile flight radius of Southern Puget Sound. This may place those sites within the management zone

for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on these sites. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

Newaukum Prairie Unit

After reviewing the Washington State threatened and endangered species listing of species we found no reason to suspect threatened or endangered species are present on this site.

Historically this area was open prairie and burned annually by Native Americans. This site is within the 50 mile flight radius of Southern Puget Sound. This may place those sites within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. No suitable nesting areas are on this site. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

North Fork Unit

After reviewing the Washington State threatened and endangered species listing of species, there may be salmon in Lucas Creek and North Fork of the Chehalis River adjacent to site that may be threatened or endangered. The Northern Spotted Owl may have once been present near site at one time or another. Current habitat is not of the type desired by this species. This site is within the 50 mile flight radius of Southern Puget Sound. This may place this site within the management zone for the Marbled Murrelet. This bird nesting habitat is on large limbs of very old trees. Few, if any, suitable nesting areas remain on this site. Some protected species, such as the Bald Eagle, have been noted at this site. Our normal operations have been shown to be compatible with wildlife normally present locally.

c. Is the site on a migration route? If so, explain.

Big Hanaford Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this sites for stop over. Farm is leased for hunting of waterfowl and big game to a local guide.

Bunker Creek Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this sites for stop over.

Burnt Ridge Ranch Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of these sites for stop over. This site has had two ponds constructed which are used by many migrating water birds.

Homestead Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of these sites for stop over. This site has had a three acre pond constructed which is used by many migrating water birds.

Newaukum Hill Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this site for stop over. There are not water bodies nearby to attract waterfowl but Canada Geese have pastured on site.

Lincoln Creek Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this sites for stop over. Site is currently leased for hunting of water fowl in the winter.

Middle Fork Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this site for stop over. There are not water bodies nearby to attract waterfowl.

Mill Creek Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this site for stop over. Owner has built three ponds that attract waterfowl.

Newaukum Prairie Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on this site should not restrict their use of this site for stop over. There are no water bodies nearby to attract waterfowl but Canada Geese have commonly pastured on site during the winter into spring.

North Fork Unit

Several species of migrating birds pass through this area, yet the minimal amount of increased activity proposed on these sites should not restrict their use of these sites for stop over.

- d. Proposed measures to preserve or enhance wildlife, if any.

Big Hanaford Unit

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. Forty three acres of this site have been placed in Conservation Reserve Enhancement Program which provides habitat and shade for Big Hanaford Creek.

Bunker Creek Unit

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.

Burnt Ridge Ranch Unit

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. Ponds build on site have provided waterfowl habitat.

Newaukum Hill Unit

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.

Lincoln Creek Unit

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. Areas adjacent to streams on this site have been placed in Conservation Reserve Enhancement Program which provides habitat and shade for Lincoln Creek.

Middle Fork Unit

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.

Mill Creek Unit

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. Land owner has worked with Lewis County Conservation District to protect streams.

Newaukum Prairie Unit

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.

North Fork Unit

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.

6. ENERGY AND NATURAL RESOURCES

- 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.

Big Hanaford Unit

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

Bunker Creek Unit

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

Burnt Ridge Ranch Unit

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

Homestead Unit

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

Newaukum Hill Unit

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

Lincoln Creek Unit

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

Middle Fork Unit

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

Mill Creek Unit

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

Newaukum Prairie Unit

The only energy required for the project will be diesel fuel for operation of application equipment. Electricity is used to run aeration equipment in our storage ponds.

North Fork Unit

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.

Big Hanaford Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Bunker Creek Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Burnt Ridge Ranch Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Newaukum Hill Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Lincoln Creek Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Middle Fork Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Mill Creek Unit

Our project would not affect the potential use of solar energy by adjacent properties.

Newaukum Prairie Unit

Our project would not affect the potential use of solar energy by adjacent properties.

North Fork Unit

Our project would not affect the potential use of solar energy by adjacent properties.

- 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.

Big Hanaford Unit

No energy conservation features are included in the plans for this proposal.

Bunker Creek Unit

No energy conservation features are included in the plans for this proposal.

Burnt Ridge Ranch Unit

No energy conservation features are included in the plans for this proposal.

Homestead Unit

No energy conservation features are included in the plans for this proposal.

Newaukum Hill Unit

No energy conservation features are included in the plans for this proposal.

Lincoln Creek Unit

No energy conservation features are included in the plans for this proposal.

Middle Fork Unit

No energy conservation features are included in the plans for this proposal.

Mill Creek Unit

No energy conservation features are included in the plans for this proposal.

Newaukum Prairie Unit

No energy conservation features are included in the plans for this proposal.

North Fork Unit

No energy conservation features are included in the plans for this proposal.

7. ENVIRONMENTAL HEALTH

- 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.

Big Hanaford Unit

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.

Bunker Creek Unit

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.

Burnt Ridge Ranch Unit

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.

Homestead Unit

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.

Newaukum Hill Unit

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.

Lincoln Creek Unit

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.

Middle Fork Unit

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.

Mill Creek Unit

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.

Newaukum Prairie Unit

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.

North Fork Unit

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 special emergency services that might be required.

Big Hanaford Unit

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

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

Burnt Ridge Ranch Unit

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

Homestead Unit

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

Newaukum Hill Unit

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

Lincoln Creek Unit

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

Middle Fork Unit

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

Mill Creek Unit

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

Newaukum Prairie Unit

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

North Fork Unit

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

2) Proposed measures to reduce or control environmental health hazards, if any.

Big Hanaford Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Bunker Creek Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Burnt Ridge Ranch Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Homestead Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Newaukum Hill Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Lincoln Creek Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Middle Fork Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

Mill Creek Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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.

North Fork Unit

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. Nitrogen (N) is an essential plant nutrient, but excess levels of N from biosolids or from other fertilizers or natural sources 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

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

Big Hanaford Unit

There are no known noises that exist in the areas which could affect our project.

Bunker Creek Unit

There are no known noises that exist in the areas which could affect our project.

Burnt Ridge Ranch Unit

There are no known noises that exist in the areas which could affect our project.

Homestead Unit

There are no known noises that exist in the areas which could affect our project.

Newaukum Hill Unit *There are no known noises that exist in the areas which could affect our project.*

Lincoln Creek Unit

There are no known noises that exist in the areas which could affect our project.

Middle Fork Unit

There are no known noises that exist in the areas which could affect our project.

Mill Creek Unit

There are no known noises that exist in the areas which could affect our project.

Newaukum Prairie Unit

There are no known noises that exist in the areas which could affect our project.

North Fork Unit

There are no known noises that exist in the areas which could affect our project.

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

Big Hanaford Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Bunker Creek Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Burnt Ridge Ranch Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Homestead Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Newaukum Hill Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Lincoln Creek Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Middle Fork Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Mill Creek Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Newaukum Prairie Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

North Fork Unit

Operation of typical agricultural equipment will create noise when we are operating. 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.

Big Hanaford Unit

None proposed other than normal exhaust mufflers on equipment.

Bunker Creek Unit

None proposed other than normal exhaust mufflers on equipment.

Burnt Ridge Ranch Unit

None proposed other than normal exhaust mufflers on equipment.

Homestead Unit

None proposed other than normal exhaust mufflers on equipment.

Newaukum Hill Unit

None proposed other than normal exhaust mufflers on equipment.

Lincoln Creek Unit

None proposed other than normal exhaust mufflers on equipment.

Middle Fork Unit

None proposed other than normal exhaust mufflers on equipment.

Mill Creek Unit

None proposed other than normal exhaust mufflers on equipment.

Newaukum Prairie Unit

None proposed other than normal exhaust mufflers on equipment.

North Fork Unit

None proposed other than normal exhaust mufflers on equipment.

8. LAND AND SHORELINE USE

- a. What is the current use of the site and adjacent properties?

Big Hanaford Unit

The current uses of this site are agriculture and forestry. Primary use is pasture and hay production. Adjacent parcels for site include agricultural, forestry and rural residential.

Bunker Creek Unit

The current uses of this site is agriculture. Adjacent parcels for site are primarily agricultural, forestry with a few rural residential.

Burnt Ridge Ranch Unit

The current uses of this site are agriculture and forestry. Primary agricultural use is cattle production, including hay and pasture. Adjacent parcels for site include agricultural, forestry and rural residential.

Homestead Unit

The current use of this site is agriculture. Primary agricultural use is cattle production, including hay and pasture. Adjacent parcels for site include agricultural, forestry and rural residential.

Newaukum Hill Unit

The current uses of this site are agriculture and forestry. Adjacent parcels for site include agricultural and forestry.

Lincoln Creek Unit

The current uses of this site are agriculture and forestry. Timbered areas include Conservation Reserve Enhancement Program and commercial timber. Fields are currently used for hay and Christmas tree production. Adjacent parcels for site include agricultural, forestry and rural residential.

Middle Fork Unit

The current uses of this site are agriculture and forestry. Fields are currently used for pasturing cattle. Adjacent parcels for site include agricultural, forestry and rural residential.

Mill Creek Unit

The current uses of this site are agriculture and forestry. Primary agricultural use is pasture for cattle. Adjacent parcels for site include agricultural and forestry.

Newaukum Prairie Unit

The current uses of this site are agriculture and forestry. Adjacent parcels for site include agricultural, forestry and rural residential.

North Fork Unit

The current uses of this site are agriculture and forestry. Adjacent parcels for site include agricultural, forestry and rural residential.

- b. Has the site been used for agriculture? If so, describe.

Big Hanaford Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Bunker Creek Unit

This site is agricultural production. Plans are to retain site in this use. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Burnt Ridge Ranch Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Homestead Unit

This site is in agricultural production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Newaukum Hill Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Lincoln Creek Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Middle Fork Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Mill Creek Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

Newaukum Prairie Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

North Fork Unit

This site is agricultural and timber production. Plans are to retain site in these uses. The economic benefit of biosolids application will encourage this land to stay in commercial agricultural production.

- c. Describe any structures on the site.

Big Hanaford Unit

The only structures are biosolids storage, agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Bunker Creek Unit

The only structures are agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Burnt Ridge Ranch Unit

The only structures are biosolids storage units, agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Homestead Unit

The only structures are biosolids storage units, agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Homestead Unit

The only structures are biosolids storage units, agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Newaukum Hill Unit

The only structures are agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Lincoln Creek Unit

The only structures are agricultural or residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Middle Fork Unit

The only structures are residences on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Mill Creek Unit

The only structures are agricultural or residence on site. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

Newaukum Prairie Unit

The structures on site include agricultural buildings, biosolids storage units, shop facilities and on site residence. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

North Fork Unit

The only structures are agricultural or residence on sites. See site maps for information on location and number of structures. For more specific description of structures on each site, see the Site Specific Land Application Plans.

- d. Will any structures be demolished? If so, what?

Big Hanaford Unit

No structures will be demolished for this project.

Bunker Creek Unit

No structures will be demolished for this project.

Burnt Ridge Ranch Unit

No structures will be demolished for this project.

Homestead Unit

No structures will be demolished for this project.

Newaukum Hill Unit

No structures will be demolished for this project.

Lincoln Creek Unit

No structures will be demolished for this project.

Middle Fork Unit

No structures will be demolished for this project.

Mill Creek Unit

No structures will be demolished for this project.

Newaukum Prairie Unit

There is a farm shop which was destroyed in a fire January 2015 to be removed, not part or due to this application. No other sructures will be demolished for this project.

North Fork Unit

No structures will be demolished for this project.

e. What is the current zoning classification of the site?

Big Hanaford Unit

This site is zoned Agricultural Resource Land. See the Site Specific Land Application Plans for further details on zoning for this site.

Bunker Creek Unit

This site is zoned Agricultural Resource Land. See the Site Specific Land Application Plans for further details on zoning for each site.

Burnt Ridge Ranch Unit

This site is zoned Agricultural Resource Land and Rural 10 acre. See the Site Specific Land Application Plans for further details on zoning for this site.

Homestead Unit

This site is zoned Agricultural Resource Land. See the Site Specific Land Application Plans for further details on zoning for this site.

Newaukum Hill Unit

This site is zoned Rural 5 acre. See the Site Specific Land Application Plans for further details on zoning for this site.

Lincoln Creek Unit *This site is zoned Agricultural Resource Land. See the Site Specific Land Application Plans for further details on zoning for this site.*

Middle Fork Unit

This site is zoned Agricultural Resource Land. See the Site Specific Land Application Plans for further details on zoning for each site.

Mill Creek Unit

This site is zoned Agricultural Resource Land and Rural 10 acre. See the Site Specific Land Application Plans for further details on zoning for each site.

Newaukum Prairie Unit

This site is zoned Agricultural Resource Land. . See the Site Specific Land Application Plans for further details on zoning for each site.

North Fork Unit

This site is zoned Agricultural Resource Land. See the Site Specific Land Application Plans for further details on zoning for each site.

- f. What is the current comprehensive plan designation of the site?

Big Hanaford Unit

The current comprehensive plan designations for this site are Rural Traditional.

Bunker Creek Unit

The current comprehensive plan designations for this site are Rural Traditional.

Burnt Ridge Ranch Unit

The current comprehensive plan designations for this site are Rural Traditional.

Homestead Unit

The current comprehensive plan designations for this site are Rural Traditional.

Newaukum Hill Unit

The current comprehensive plan designations for this site are Rural Traditional.

Lincoln Creek Unit

The current comprehensive plan designations for this site are Rural Traditional.

Middle Fork Unit

The current comprehensive plan designations for this site are Rural Traditional.

Mill Creek Unit

The current comprehensive plan designations for this site are Rural Traditional.

Newaukum Prairie Unit

The current comprehensive plan designations for this site are Rural Traditional.

North Fork Unit

The current comprehensive plan designations for this site are Rural Traditional.

g. If applicable, what is the current shoreline master program designation of the site?

Big Hanaford Unit

This site contains areas in the shoreline master program.

Bunker Creek Unit

This site contains areas in the shoreline master program.

Burnt Ridge Ranch Unit

This site does not contain areas in the shoreline master program.

Homestead Unit

This site does not contain areas in the shoreline master program.

Newaukum Hill Unit

This site does not contain areas in the shoreline master program.

Lincoln Creek Unit

This site contains areas in the shoreline master program.

Middle Fork Unit

This site does not contain areas in the shoreline master program.

Mill Creek Unit

This site contains areas in the shoreline master program.

Newaukum Prairie Unit

This site does not contain areas in the shoreline master program.

North Fork Unit

This site contains areas in the shoreline master program.

h. Has any part of the site been classified as an “environmentally sensitive” area? If so, specify.

Big Hanaford Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Bunker Creek Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Burnt Ridge Ranch Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Homestead Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Newaukum Hill Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Lincoln Creek Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Middle Fork Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Mill Creek Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

Newaukum Prairie Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

North Fork Unit

Known environmentally sensitive areas such as wetlands, riparian zones or steep slopes will not have biosolids applied to them, application areas are noted on maps in the Site Specific Land Application Plans.

- i. Approximately how many people would reside or work in the completed project?

Big Hanaford Unit

There is a single family residence on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Bunker Creek Unit

There is a single family residence on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Burnt Ridge Ranch Unit

Two single family residences are found on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Homestead Unit

One single family residence is found on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Newaukum Hill Unit

One single family residence is found on most sites. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Lincoln Creek Unit

There is a single family residence on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Middle Fork Unit

There is a single family residence on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Mill Creek Unit

One single family residence is found on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

Newaukum Prairie Unit

There is a single family residence on this site. No additional housing is proposed. The number of workers would increase by 1-4 during application times.

North Fork Unit

There is a single family residence on this site. No additional housing is proposed. The number of workers would increase by 1 or 2 up to 4 during application times.

j. Approximately how many people would the project displace?

Big Hanaford Unit

The project will not displace any people.

Bunker Creek Unit

The project will not displace any people

Burnt Ridge Ranch Unit

The project will not displace any people

Homestead Unit

The project will not displace any people

Newaukum Hill Unit

The project will not displace any people

Lincoln Creek Unit

The project will not displace any people

Middle Fork Unit

The project will not displace any people

Mill Creek Unit

The project will not displace any people

Newaukum Prairie Unit

The project will not displace any people

North Fork Unit

The project will not displace any people

k. Proposed measures to avoid or reduce displacement impacts, if any.

Big Hanaford Unit

There are no displacements to avoid or reduce impact of.

Bunker Creek Unit

There are no displacements to avoid or reduce impact of.

Burnt Ridge Ranch Unit

There are no displacements to avoid or reduce impact of.

Homestead Unit

There are no displacements to avoid or reduce impact of.

Newaukum Hill Unit

There are no displacements to avoid or reduce impact of.

Lincoln Creek Unit

There are no displacements to avoid or reduce impact of.

Middle Fork Unit

There are no displacements to avoid or reduce impact of.

Mill Creek Unit

There are no displacements to avoid or reduce impact of.

Newaukum Prairie Unit

There are no displacements to avoid or reduce impact of.

North Fork Unit

There are no displacements to avoid or reduce impact of.

1. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.

Big Hanaford Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Bunker Creek Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Burnt Ridge Ranch Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Homestead Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Newaukum Hill Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Lincoln Creek Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Middle Fork Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Mill Creek Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

Newaukum Prairie Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

North Fork Unit

Proposal will improve the economic viability of the current agricultural uses, providing added incentive to keep this land in natural resource production.

9. HOUSING

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low income housing.

Big Hanaford Unit

There will be no units provided.

Bunker Creek Unit

There will be no units provided.

Burnt Ridge Ranch Unit

There will be no units provided.

Homestead Unit

There will be no units provided.

Newaukum Hill Unit

There will be no units provided.

Lincoln Creek Unit

There will be no units provided.

Middle Fork Unit

There will be no units provided.

Mill Creek Unit

There will be no units provided.

Newaukum Prairie Unit

There will be no units provided.

North Fork Unit

There will be no units provided.

b. Approximately how many units would be eliminated? Indicate whether high, middle, or low income housing.

Big Hanaford Unit

No units will be eliminated.

Bunker Creek Unit

No units will be eliminated.

Burnt Ridge Ranch Unit

No units will be eliminated.

Homestead Unit

No units will be eliminated.

Newaukum Hill Unit

No units will be eliminated.

Lincoln Creek Unit

No units will be eliminated.

Middle Fork Unit

No units will be eliminated.

Mill Creek Unit

No units will be eliminated.

Newaukum Prairie Unit
No units will be eliminated.

North Fork Unit
No units will be eliminated.

c. Proposed measures to reduce or control housing impacts, if any.

Big Hanaford Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Bunker Creek Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Burnt Ridge Ranch Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Homestead Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Newaukum Hill Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Lincoln Creek Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Middle Fork Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Mill Creek Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

Newaukum Prairie Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

North Fork Unit
There will be no housing impacts. Therefore no measures are proposed to reduce or control housing impacts.

10. AESTHETICS

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

Big Hanaford Unit

Buildings planned for these sites are normal agricultural buildings and storage buildings. Exterior materials would be wood, metal or concrete. Maximum height will be 35 feet.

Bunker Creek Unit

No building are proposed in relation to this project on this site.

Burnt Ridge Ranch Unit

Buildings planned for these sites are normal agricultural buildings and storage structures. Exterior materials would be wood, metal or concrete. Maximum height will be 35 feet.

Homestead Unit

Buildings planned for these sites are normal agricultural buildings and storage structures. Exterior materials would be wood, metal or concrete. Maximum height will be 35 feet.

Newaukum Hill Unit

No buildings are proposed in relation to this project on this site.

Lincoln Creek Unit

Buildings planned for these sites are normal agricultural buildings and storage buildings. Exterior materials would be wood, metal or concrete. Maximum height will be 35 feet.

Middle Fork Unit

No building are proposed in relation to this project on this site.

Mill Creek Unit

No building are proposed in relation to this project on this site.

Newaukum Prairie Unit

Buildings planned for these sites are normal agricultural buildings and storage buildings. Exterior materials would be wood, metal or concrete. Maximum height will be 35 feet.

North Fork Unit

No buildings are proposed in relation to this project on this site.

b. What views in the immediate vicinity would be altered or obstructed?

Big Hanaford Unit

No views in the immediate vicinity will be altered or obstructed.

Bunker Creek Unit

No views in the immediate vicinity will be altered or obstructed.

Burnt Ridge Ranch Unit

No views in the immediate vicinity will be altered or obstructed.

Homestead Unit

No views in the immediate vicinity will be altered or obstructed.

Newaukum Hill Unit

No views in the immediate vicinity will be altered or obstructed.

Lincoln Creek Unit

No views in the immediate vicinity will be altered or obstructed.

Middle Fork Unit

No views in the immediate vicinity will be altered or obstructed.

Mill Creek Unit

No views in the immediate vicinity will be altered or obstructed.

Newaukum Prairie Unit

No views in the immediate vicinity will be altered or obstructed.

North Fork Unit

No views in the immediate vicinity will be altered or obstructed.

c. Proposed measures to reduce or control aesthetic impacts, if any.

Big Hanaford Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Bunker Creek Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Burnt Ridge Ranch Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Homestead Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Newaukum Hill Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Lincoln Creek Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Middle Fork Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Mill Creek Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

Newaukum Prairie Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

North Fork Unit

There will be no aesthetic impacts. Therefore are no measures to reduce or control aesthetic impacts.

11. LIGHT AND GLARE

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Big Hanaford Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Bunker Creek Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Burnt Ridge Ranch Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Homestead Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Newaukum Hill Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Lincoln Creek Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Middle Fork Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Mill Creek Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

Newaukum Prairie Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

North Fork Unit

Other than normal lighting from vehicles, no light or glare would be produced from this project. Typically hours worked would be day shift but we are not proposing to limit operations to day light hours.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

Big Hanaford Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Bunker Creek Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Burnt Ridge Ranch Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Homestead Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Newaukum Hill Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Lincoln Creek Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Middle Fork Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Mill Creek Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

Newaukum Prairie Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

North Fork Unit

No light or glare from the finished project(s) will be a safety hazard or interfere with views.

- c. What existing off-site sources or light or glare may affect your proposal?

Big Hanaford Unit

No existing off-site sources of light or glare will affect our proposal.

Bunker Creek Unit

No existing off-site sources of light or glare will affect our proposal.

Burnt Ridge Ranch Unit

No existing off-site sources of light or glare will affect our proposal.

Homestead Unit

No existing off-site sources of light or glare will affect our proposal.

Newaukum Hill Unit

No existing off-site sources of light or glare will affect our proposal.

Lincoln Creek Unit

No existing off-site sources of light or glare will affect our proposal.

Middle Fork Unit

No existing off-site sources of light or glare will affect our proposal.

Mill Creek Unit

No existing off-site sources of light or glare will affect our proposal.

Newaukum Prairie Unit

No existing off-site sources of light or glare will affect our proposal.

North Fork Unit

No existing off-site sources of light or glare will affect our proposal.

- d. Proposed measures to reduce or control light and glare impacts, if any.

Big Hanaford Unit

No measures deemed necessary.

Bunker Creek Unit

No measures deemed necessary.

Burnt Ridge Ranch Unit

No measures deemed necessary.

Homestead Unit

No measures deemed necessary.

Newaukum Hill Unit

No measures deemed necessary.

Lincoln Creek Unit

No measures deemed necessary.

Middle Fork Unit

No measures deemed necessary.

Mill Creek Unit

No measures deemed necessary.

Newaukum Prairie Unit

No measures deemed necessary.

North Fork Unit

No measures deemed necessary.

12. RECREATION

a. What designated and informal recreational opportunities are in the immediate vicinity?

Big Hanaford Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties. Site is currently leased to a hunting guide for water fowl, deer and elk hunting.

Bunker Creek Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as these sites provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

Burnt Ridge Ranch Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provides wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties. Site does provide staging area for Lewis County Back Country Horsemen ride on trails in adjacent timberland.

Homestead Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provides wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

Newaukum Hill Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

Lincoln Creek Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties. Site is currently leased for water fowl, deer and elk hunting.

Middle Fork Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

Mill Creek Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

Newaukum Prairie Unit

Site is private property and have controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

North Fork Unit

Site is private property and has controlled accesses, thus providing no formal recreational opportunities. Informal opportunities may exist as this site provide wildlife habitat which may increase the opportunities for sport hunting and viewing of wildlife on adjacent properties.

- .
- b. Would the proposed project displace any existing recreational uses? If so, describe.

Big Hanaford Unit

The proposed project will not displace any existing recreational use.

Bunker Creek Unit

The proposed project will not displace any existing recreational use.

Burnt Ridge Ranch Unit

The proposed project will not displace any existing recreational use.

Homestead Unit

The proposed project will not displace any existing recreational use.

Newaukum Hill Unit

The proposed project will not displace any existing recreational use.

Lincoln Creek Unit

The proposed project will not displace any existing recreational use.

Middle Fork Unit

The proposed project will not displace any existing recreational use.

Mill Creek Unit

The proposed project will not displace any existing recreational use.

Newaukum Prairie Unit

The proposed project will not displace any existing recreational use.

North Fork Unit

The proposed project will not displace any existing recreational use.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any.

Big Hanaford Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Bunker Creek Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Burnt Ridge Ranch Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Homestead Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Newaukum Hill Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Lincoln Creek Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Middle Fork Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Mill Creek Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

Newaukum Prairie Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

North Fork Unit

No proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by this project.

13. HISTORIC AND CULTURAL PRESERVATION

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

Big Hanaford Unit

None known to be on this site.

Bunker Creek Unit

None known to be on this site.

Burnt Ridge Ranch Unit

None known to be on this site.

Homestead Unit

None known to be on this site.

Newaukum Hill Unit

None known to be on this site.

Lincoln Creek Unit

None known to be on this site.

Middle Fork Unit

None known to be on this site.

Mill Creek Unit

None known to be on this site.

Newaukum Prairie Unit

None known to be on this site.

North Fork Unit

None known to be on this site.

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

Big Hanaford Unit

None known to exist on this site.

Bunker Creek Unit.

None known to exist on this site.

Burnt Ridge Ranch Unit

None known to exist on this site.

Homestead Unit

None known to exist on this site.

Newaukum Hill Unit

None known to exist on this site.

Lincoln Creek Unit

None known to exist on this site.

Middle Fork Unit

None know to exist on this site.

Mill Creek Unit

None known to exist on this site.

Newaukum Prairie Unit

None known to exist on this site.

North Fork Unit

None known to exist on this site.

c. Proposed measures to reduce or control impacts, if any?

Big Hanaford Unit

No measures to reduce or control impacts proposed.

Bunker Creek Unit

No measures to reduce or control impacts proposed.

Burnt Ridge Ranch Unit

No measures to reduce or control impacts proposed.

Homestead Unit

No measures to reduce or control impacts proposed.

Newaukum Hill Unit

No measures to reduce or control impacts proposed.

Lincoln Creek Unit

No measures to reduce or control impacts proposed.

Middle Fork Unit

No measures to reduce or control impacts proposed.

Mill Creek Unit

No measures to reduce or control impacts proposed.

Newaukum Prairie Unit

No measures to reduce or control impacts proposed.

North Fork Unit

No measures to reduce or control impacts proposed.

14. TRANSPORTATION

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plan, if any.

Big Hanaford Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Bunker Creek Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Burnt Ridge Ranch Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Homestead Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Newaukum Hill Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Lincoln Creek Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Middle Fork Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Mill Creek Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

Newaukum Prairie Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

North Fork Unit

Biosolids generally are transported by Class 8 trucks with end dump trailers or tankers. All loads are within legal limits. See maps in Site Specific Land Application Plan.

- b. Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

Big Hanaford Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Bunker Creek Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Burnt Ridge Ranch Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Homestead Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Newaukum Hill Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Lincoln Creek Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Middle Fork Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Mill Creek Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

Newaukum Prairie Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

North Fork Unit

Site is rural and not served by public transit nor is there any anticipated need for public transit systems. Nearest public transit for sites would be several miles away.

c. How many parking spaces would the completed project have? How many would the project eliminate?

Big Hanaford Unit

Project will have no parking places, nor will it eliminate any parking places.

Bunker Creek Unit

Project will have no parking places, nor will it eliminate any parking places.

Burnt Ridge Ranch Unit

Project will have no parking places, nor will it eliminate any parking places.

Homestead Unit

Project will have no parking places, nor will it eliminate any parking places.

Newaukum Hill Unit

Project will have no parking places, nor will it eliminate any parking places.

Lincoln Creek Unit

Project will have no parking places, nor will it eliminate any parking places.

Middle Fork Unit

Project will have no parking places, nor will it eliminate any parking places.

Mill Creek Unit

Project will have no parking places, nor will it eliminate any parking places.

Newaukum Prairie Unit

Project will have no parking places, nor will it eliminate any parking places.

North Fork Unit

Project will have no parking places, nor will it eliminate any parking places.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so generally describe (indicate whether public or private).

Big Hanaford Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Bunker Creek Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Burnt Ridge Ranch Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Homestead Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Newaukum Hill Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Lincoln Creek Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Middle Fork Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Mill Creek Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

Newaukum Prairie Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

North Fork Unit

No, assuming that normal farm roads are considered “driveways” as stated above.

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

Big Hanaford Unit

A rail line borders the unit on the north side but there is no plans for our use. No water or air transportation.

Bunker Creek Unit

No water, rail or air transportation will be used or is in the immediate vicinity.

Burnt Ridge Ranch Unit

Project will have no parking places, nor will it eliminate any parking places.

Homestead Unit

Project will have no parking places, nor will it eliminate any parking places.

Newaukum Hill Unit

A rail line borders the unit on the east but there is no plans for our use. No water or air transportation.s.

Lincoln Creek Unit

Project will have no parking places, nor will it eliminate any parking places.

Middle Fork Unit

Project will have no parking places, nor will it eliminate any parking places.

Mill Creek Unit

Project will have no parking places, nor will it eliminate any parking places.

Newaukum Prairie Unit

Project will have no parking places, nor will it eliminate any parking places.

North Fork Unit

Project will have no parking places, nor will it eliminate any parking places.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Big Hanaford Unit

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

Bunker Creek Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Burnt Ridge Ranch Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Homestead Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Newaukum Hill Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Lincoln Creek Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Middle Fork Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Mill Creek Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

Newaukum Prairie Unit

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 four trips per day. Peak volumes of trips would occur between the hours of 6am and 7pm.

North Fork Unit

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

- g. Proposed measures to reduce or control transportation impacts, if any.

Big Hanaford Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Bunker Creek Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Burnt Ridge Ranch Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Homestead Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Newaukum Hill Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Lincoln Creek Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Middle Fork Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Mill Creek Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

Newaukum Prairie Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

North Fork Unit

Impacts should not be such as to need any mitigating measures. The site is in area where agriculture or forestry activities normally produce truck traffic in the volumes anticipated.

15. PUBLIC SERVICE

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

Big Hanaford Unit

No increases in these services are expected.

Bunker Creek Unit

No increases in these services are expected.

Burnt Ridge Ranch Unit

No increases in these services are expected.

Homestead Unit

No increases in these services are expected.

Newaukum Hill Unit

No increases in these services are expected.

Lincoln Creek Unit

No increases in these services are expected.

Middle Fork Unit

No increases in these services are expected.

Mill Creek Unit

No increases in these services are expected.

Newaukum Prairie Unit

No increases in these services are expected.

North Fork Unit

No increases in these services are expected.

- b. Proposed measures to reduce or control direct impact on public services, if any.

Big Hanaford Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Bunker Creek Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Burnt Ridge Ranch Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Homestead Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Newaukum Hill Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Lincoln Creek Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Middle Fork Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Mill Creek Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

Newaukum Prairie Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

North Fork Unit

No proposed measures to reduce or control direct impact on public services, or deemed needed.

16. UTILITIES

a.Circle (underlined) utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Big Hanaford Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Bunker Creek Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Burnt Ridge Ranch Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Homestead Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Newaukum Hill Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Lincoln Creek Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Middle Fork Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Mill Creek Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Newaukum Prairie Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

North Fork Unit

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site in the immediate vicinity which might be needed.

Big Hanaford Unit

No utilities will be needed for this project

Bunker Creek Unit

No utilities will be needed for this project

Burnt Ridge Ranch Unit

No utilities will be needed for this project

Homestead Unit

No utilities will be needed for this project

Newaukum Hill Unit

No utilities will be needed for this project

Lincoln Creek Unit

No utilities will be needed for this project

Middle Fork Unit

No utilities will be needed for this project

Mill Creek Unit

No utilities will be needed for this project

Newaukum Prairie Unit

No utilities will be needed for this project

North Fork Unit

No utilities will be needed for this project

C. SIGNATURE

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*

Date

Prepared by:

***Robert J. Thode, President
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General Site locations

