



King County

**Department of Permitting
and Environmental Review**

35030 SE Douglas Street, Suite 210

Snoqualmie, WA 98065-9266

206-296-6600 TTY Relay: 711

www.kingcounty.gov

SEPA CHECKLIST

For alternate formats, call 206-296-6600

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

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

Instructions for applicants:

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

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

Instructions for Lead Agencies:

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

Use of checklist for nonproject proposals:

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

A. Background

1. Name of proposed project, if applicable: King County PSERN – Bandera

2. Applicant: King County Puget Sound Emergency Radio Network (PSERN)

3. Address: 400 Yesler Way

City/State/Zip: Seattle, WA 98104 Phone: (206) 263-7846

Agent: Odelia Pacific Corp. – Travis Griffith

Address: 5506 6th Avenue South, Suite 202

City/State/Zip: Seattle, WA 98108 Phone: (805) 807-9942

E-mail: TGriffith@Odelia.com

4. Date checklist prepared: November 12, 2019

5. Agency requesting checklist: King County PSERN

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

Construction will commence as soon as all applicable permits are obtained.

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

King County PSERN has no future plans related to this proposal at this time.

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

King County PSERN and its agents are not aware of any previous environmental information that has been prepared on the project site that would affect this proposal. A wetland and stream assessment has been prepared for this project.

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.

King County PSERN and its agents are not aware of any pending applications directly affecting this property.

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

The King County – Bandera project requires the following approvals:

- *State Environmental Policy Act (SEPA) Review*
- *King County Commercial Building Permit Approval*
- *King County Critical Areas Alteration Exemption Approval*

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.)

King County PSERN proposes a new 185' tower, compound, temporary access road, and associated equipment to provide two-way emergency radio communications to reach and coordinate with emergency responders.

The proposed facility consists of a one hundred sixty-five (185') foot lattice tower, a 35'x35' fenced compound, retaining walls, and temporary access road. Please see Sheet A-1.1, A-2, and A-3, for more detailed information.

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

Location of the Project: Tiger Mountain
Address: Tinkham Road, North Bend, WA 98045
Quarter: SW Section: 6 Township: 22 Range: 10
Parcel Number(s): 1622109010

Please see legal description on Sheet SV-1. Please see the attached Vicinity Map in the Exhibits for more detailed information.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

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

The site is located in a mountainous area.

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

The proposed site's steepest slope is 40% according to the included geotechnical report.

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

According to the Natural Resources Conservation Service soil survey tool, the site contains Kaleetan sandy loam. See the included technical information report for more information.

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

King County PSERN and its agents are not aware of surface indications or history of unstable soils in the immediate vicinity. According to King County iMAP this whole area is a landslide hazard.

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

There will be grading for scarification and recompaction, Any excess fill will be dispersed on site. The development and construction of the site shall preserve the existing character of the site as much as possible. The access road will be temporary and restored once work is complete. The existing vegetation will be preserved as much as possible. Only limited amounts of export soils will be needed. Off-site fill materials will be obtained from a local quarry. Please see the civil sheets and Sheet A-1.1 for more detailed information.

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

Exposed and unworked soils shall be stabilized with the application of effective BMP's to prevent erosion throughout the life of the project. See the technical information report for details.

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

Approximately 4,972 square feet of temporary impervious surface (temporary access road) and 900 square feet of permanent impervious surface (compound) will be constructed. See Sheet A-1.1 for details.

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

All standard erosion control methods will be utilized to reduce or control erosion, or other impacts to the earth.

2. Air

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

During construction, there will be minor dust and emissions associated with construction machinery/vehicles.

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

King County PSERN and its agents are not aware of any off-site sources of emissions or odor that would affect this proposal.

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

All standard measures to reduce and/or control emissions during construction will be utilized. These measures may include the regular use of watering vehicles to attenuate dust particles on-site and proper maintenance of all vehicles to limit emissions.

3. Water

- a. Surface Water:

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

There is a Type N stream approximately 73 feet to the west of the proposed compound. There is a wetland approximately 450 feet southwest of the project area. The wetland is not shown on the site plan because it is more than 300 feet from proposed activities.

- 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.

This project will require work within 200' of waters. A Type N stream is located over 65 feet to the west of the project area. Please see the survey and Wetland & Stream Assessment for more detailed information regarding stream and wetland locations.

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

This project will not require fill and/or dredge material from surface water/wetlands.

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

This proposal will not require any surface water withdrawals or diversions.

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

The proposal does not lie within a 100-year floodplain, according to King County iMap.

- 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.

This proposal does not involve any discharges of waste materials to surface waters.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No ground water will be withdrawn and/or water discharged to the groundwater.

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

No waste materials will be discharged into the ground from septic tanks or other sources.

c. Water runoff (including stormwater):

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

This project will not alter or impact the existing storm water systems.

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

The project does not involve any discharges of waste materials to ground or surface waters.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

This proposal will not alter/affect drainage patterns in the vicinity of the site.

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

At this time, there are no proposed measures to reduce or control surface water, groundwater, and/or runoff.

4. Plants

a. Check the types of vegetation found on the site:

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

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

Approximately 41 trees will be required to be removed. Some grass and shrubs are likely to be removed.

c. List threatened and endangered species known to be on or near the site.

King County PSERN and its agents are not aware of any threatened or endangered species on or near the site.

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

No proposed landscaping should be needed. The temporary road will be restored and vegetation replanted.

e. List all noxious weeds and invasive species known to be on or near the site.

King County PSERN and its agents are not aware of any invasive species to exist on or near the site.

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

- birds: hawk, heron, eagle, songbirds, other: Northern Spotted Owl
- mammals: deer, bear, elk, beaver, other: Mountain Goat, Mountain Lion, Big-eared Bat
- fish: bass, salmon, trout, herring, shellfish, other _____

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

The included wildlife habitat assessment has noted this area is a habitat for the Northern Spotted Owl and Western Townsend's Big-eared Bat.

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

King County PSERN and its agents are not aware of this site to be part of a migration route.

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

At this time, there are no proposed measures to preserve or enhance wildlife.

e. List any invasive animal species known to be on or near the site.

King County PSERN and its agents are not aware of any invasive species on or near the site.

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.

The site will not require a power source. As the provided microwave path survey report states, these will be "passive" antennas. This means power will not be required for these antennas to function.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The subject proposal will 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:

At this time, there are no energy conservation features included in the plans of 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.

No such hazards have been identified with other similar installations.

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

There is no known contamination on the site from present or past uses.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

There are no existing hazardous chemicals/conditions that will affect the project development and design.

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

Other than fuel used to power construction equipment, no toxic or hazardous chemicals will be used or stored onsite.

- 4) Describe special emergency services that might be required.

No special emergency services will be required for this proposal.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

At this time, there have been no measures proposed to reduce or control environmental health hazards.

b. Noise

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

There is not any existing noise in the area that would affect this project.

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

There will be minor short-term noise associated with the construction of the project. There will be no new significant noise.

- 3) Proposed measures to reduce or control noise impacts, if any:

King County PSERN will comply with all state and local ordinances regarding noise.

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The site is currently vacant and there are no structures nearby. The site, as well as adjacent properties, are zoned Forest. The proposal will not affect nearby properties.

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

No additional acres of forest lands will be converted to non-forest uses.

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

The proposal will not affect normal business operations.

- c. Describe any structures on the site.

The site is currently vacant.

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

No structures will be demolished.

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

The site is zoned Forest by King County.

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

The current comprehensive plan designation is Forestry.

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

The site is not near a shoreline, therefore is not applicable to this project.

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

This site has landslide/steep slope hazards according to King County iMaps. While not part of the proposed site, there is a Type N stream over 65 feet to the west of the project area. Please see the survey sheet and Wetland & Stream Assessment for more details.

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

The facility is unmanned.

- j. Approximately how many people would the completed project displace?

This project will not displace any people.

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

The project will not displace any people. Therefore, no measures are needed to avoid or reduce displacement impacts.

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

The proposal is compatible with the existing land use as telecommunication facilities are allowed in Forest zones.

- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

At this time, no measures are proposed and/or necessary.

9. Housing

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

No units will be provided from this project.

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

No units will be eliminated from this project.

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

The proposed project will not impact housing, therefore no measures are needed 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?

The proposed tower height will be one hundred eighty-five feet (185').

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

No views in the immediate vicinity will be obstructed or substantially altered. See the included photo simulations.

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

The proposed tower location is located south of the I-90. The tower must be painted to comply with FAA standards. See the included photo simulations.

11. Light and Glare

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

The facility will only include lighting required by the FAA.

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

Lighting will promote safety as it would be required by the FAA.

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

There are no existing off-site sources of light or glare that will affect this proposal.

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

There are no proposed measures to reduce or control light and glare impacts.

12. Recreation

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

There are recreational/bicycle trails located near this site.

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

This proposal will not displace any existing recreational uses.

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

This proposal will not displace any existing recreational uses; therefore no measures are needed to reduce/control recreation opportunities.

13. Historic and cultural preservation

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

King County PSERN and its agents are not aware of any places or objects listed on, proposed for, or eligible for listing on or near the site.

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

King County and its agents are not aware of any landmarks, or evidence of historical, archaeological, scientific, or cultural importance to be on or next to the project.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

King County iMaps was used to assess potential impacts to cultural and historic resources.

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

No measures are needed to avoid, minimize, or compensate for loss, or for changes to or disturbance to resources.

14. Transportation

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

The project is located off rural logging roads (Please see Vicinity Map Exhibit).

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

No applicable to this project.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

No parking spaces are proposed for this site.

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

The project will not require new and/or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities.

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

This proposal will not occur in the immediate vicinity of water, rail, or air transportation.

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

This facility is unmanned. No regular trips are planned for this site.

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

This proposal will not interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area.

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

There are no traffic impacts associated with these types of facilities as they are unmanned and require infrequent maintenance.

15. Public Services

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

This project will not result in an increased need for public services.

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

This project will not result in an increased need for public services, therefore no measures are needed to reduce or control direct impacts.

16. Utilities

- a. Circle utilities currently available at the site:
 electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
 other NA
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No utilities are proposed 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: _____

Name of signee Travis Griffith

Position and Agency/Organization Odelia Pacific Corp. / Agent for King County PSERN

Date Submitted: 2/27/20