KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES
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"Building Partnerships – Building Communities"

SEPA ENVIRONMENTAL CHECKLIST

PURPOSE OF CHECKLIST:

The State Environmental Protection 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 proposals. Governmental agencies use this checklist to determine whether the environmental impacts or your proposal are significant, requiring preparation if 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 "don 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.

USE OF CHECKLIST FOR NONPROJECT PROPOSALS:

Complete this checklist for non-project proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS.

For non-project actions, the references in the checklist to the words "project," "applicant" and "property or site" should be read as "proposal," "proposer" and "affected geographic are" respectively.

APPLICATION FEES:

490.00	Kittitas County Community Development Services (KCCDS)
70.00	Kittitas County Department of Public Works
$560.00	**Total fees due for this application** (One check made payable to KCCDS)

FOR STAFF USE ONLY

Application Received By (CDS Staff Signature) _____ DATE _____ RECEIPT # _____

RECEIVED
JAN 2 8 2013
KITTITAS COUNTY
CDS

DATE STAMP IN BOX

A. BACKGROUND

1. Name of proposed project, if applicable:

   PacifiClean Elk Heights Integrated Organics Processing Facility

2. Name of applicant:

   Larry Condon

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

   SRM Development, 111 N Post Ste. 200 Spokane, WA 99201
   Phone: 509.455.5477

4. Date checklist prepared:

   January 23, 2013

5. Agency requesting checklist:

   Kittitas County Community Development Services

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

   Phase I Construction April 2013
   Phase I Process Startup October 2013
   Phase II Construction within 1 to 5 years, April 2014 - April 2019
   Phase II Process Startup within 1 to 5 years, October 2014 – October 2019

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

   No.

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

   Phase 1 Environmental Site Assessment
   Geotechnical Study and Addendum
   Thorp Prairie Road Suitability Study (not complete)
   Wetland and Habitat Evaluation
   Cultural Resource Survey
   Environmental Noise Impact Assessment
   Notice of Construction for Air Operating Order
   Air Quality Modeling
   Solid Waste Permit
   Operations Plan
   Engineering Report
   Construction Stormwater Pollution Prevention Plan

9. Do you know whether applications are pending for governmental approvals or other proposals directly affecting the property covered by your proposal? If yes, explain.

   None pending.

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

   Construction Stormwater Permit, Kittitas County

Solid Waste Permit, Kittitas Health Department
Order of Approval for Air Emissions, WA Department of Ecology
Building Permits, Kittitas County
Water Tank, Hydrant, Gate, Access Permits, Kittitas County Fire Marshal
Septic System, Water System, Kittitas Health Department
Zoning Conditional Use Permit, Kittitas County

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.)

See Appendix C.

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.

Address: 8860 Thorp Prairie Road, Cle Elum, WA 98922 Sec 14, Township 19, Range 16
Legal Description, Site Plan, Vicinity Map, and Topographic Map in Appendix D, E, F, G

ENVIRONMENTAL ELEMENTS

1. Earth

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

Hilly

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

On the 83.4-acres being considered the site, the steepest slope is approximately 20%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Silty Clay, Clay with Cobbles, Clay with Boulders

d. Are there surface indications or history of unstable soils in the immediate vicinity?

No.

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

The purpose of grading and filling is to establish a surface with a 1% to 2% slope to allow proper drainage and truck and loader use. Approximate cut volumes are 322,000 cubic yards and fill volumes are 267,000 cubic yards. In addition 23,500 cubic yards of base rock will be used for construction.

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

Erosion could occur as a result of construction and the resulting exposed earth.
Erosion cannot occur during the on-going operation because the surface will be covered by asphalt pavement, concrete, structures, or vegetation.

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

Approximately 55% of the 82.4 acre site. Approximately 45 acres will be covered with impervious surface.

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

Measures to control erosion during construction will be discussed in the Construction Stormwater Pollution Prevention Plan. These measures will include covering piles of soil, mulching exposed surfaces, collection of water in onsite ponds, asphalt paving, concrete, and use of rock on access roads prior to paving.

2. AIR

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

During construction the project could generate dust from loader, excavator, and truck activity and generate emissions from diesel engines. During operation the project may generate dust from site surfaces and compost product piles, emissions from diesel engines, VOCs from compost feedstocks and composting, odors from compost feedstocks and composting. Quantities of dust, VOCs, and odorous emissions have not been quantified yet.

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

No.

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

Use of electric powered mixing, grinding, and screening.
Use of a tipping building for receiving feedstocks.
High efficiency biofiltration of tipping building evacuated air. Use of GORE® Cover System Technology for composting which greatly reduces emissions.
Use of aeration in the stormwater ponds and leachate ponds to reduce the chance of odor emissions.

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 streams or river it flows into.

Yes.

Freshwater stream, Yakima River, 2000 ft in distance away.

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.

No.

3) Estimate the 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.

None.

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

No.

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

No.

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.

No.

b. Ground

1) Will ground water be withdrawn, or will water be discharged to surface waters? If so, give general description, purpose, and approximate quantities if known.

Project will use existing residential well for office lunch room and restrooms.

2) Describe waste materials 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.

Project will use existing residential septic system for office lunch room and restrooms. Initially the septic system will be sized for 11 employees. When the process is expanded to full capacity the system will be modified to serve 18 employees

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.

Runoff from the site will be directed to and collected in stormwater ponds. This water will be reused for site cleanup, process water, dust control and irrigation. Stormwater will not flow to surface waters. The site plan, Appendix D,

provides pond sizes and location.

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

No.

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

Engineered slopes and drainage pipes will be constructed to route surface water to the ponds. Pumps and piping will be installed to allow reuse of the stormwater.

4. PLANTS

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

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: cattails, buttercup, bulrush, 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?

Grass, shrubs, and trees will be removed initially from 45 acres of the 83.4-acre site during both construction phases.

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

None.

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

A soil berm will be constructed along the west side of the site and covered with grasses, shrubs, and drought tolerant trees.

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:

X birds: hawk, heron, eagle, songbirds, other:
X mammals: deer, bear, elk, beavers, other:
___ fish: bass, salmon, trout, herring, shellfish, other: _____

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

None.

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

None.

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

None.

6. ENERGY AND NATURAL RESOURCES

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the competed project energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electrical will be used for heating, lighting and manufacturing. Natural gas and solar may also be used.

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

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

Sky lights in the building ceiling to reduce electric light use. Generation of methane by anaerobic digestion for possible use as CNG in vehicles and on-site. Solar may also be used.

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.

Diesel fuel will be used in vehicles. If sulfur is present in process feedstocks and anoxic conditions exist H_2S could be a by-product and dangerous especially if tank entry is necessary. Monitoring procedures and tank entry procedures will be prepared and followed to reduce risk.

1) Describe special emergency services that might be required.

None.

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

Composting will be performed under controlled aerobic condition. The tipping building air will be evacuated with blowers at a rate of 4 air exchanges per hour and air pumped through a high efficiency biofilter. Leachate and stormwater will be aerated to prevent anoxic conditions and minimize formation of sulfides, mercaptans or toxic by-products.

b. Noise

1) What types of noise exist in the area which may affect your project

(for example, traffic, equipment, operation, other)?

None.

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

Noise will be created during construction and operation. During construction and on a short term basis noise will be created by site excavation, grading, and construction activity. Noise could occur during both day and night.

During operation noise will occur both day and night while processing material. Washington State noise limits will be followed with reduced noise levels between the hours of 10 PM and 7 AM. Type of noise during operation will be from loaders, trucks, compost screening, feedstock mixing, feedstock grinding, conveyors, aeration blowers, and building evacuation fans.

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

Site operations will have conditions to meet noise limits at the property boundary. Feedstock grinding, mixing, and delivery will occur at the center of the site to reduce noise at the property perimeter. Generally these activities will also take place inside a building with a concrete wall as a barrier. Limitation on loader activity will include minimal use at the south end. Diesel grinding will take place only during the day, and near the center of the site. Use of electric rather than diesel screening, grinding, and mixing will also reduce noise. Diesel screening may occur but with conditions to meet noise limits at the property boundary.

8. LAND AND SHORELINE USE

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

Pasture and hay production.

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

Yes. Used for production of grass hay and alfalfa.

c. Describe any structures on the site.

One residential home and older out-buildings.

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

Yes, older residential home and storage buildings.

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

Forest and Range.

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

Rural.

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

No designation.

h. Has any part of the site been classified as an environmentally sensitive area?

No.

i. Approximately how many people would the completed project displace?

None.

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

11 People will work after Phase I construction. 18 People will work on the fully completed project.

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

None.

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

See Response for 2. c., 3. C., 7. A., 7. C.

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

None. All construction is below horizontal from the nearest view point.

9. HOUSING

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

None.

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

None.

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

None.

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?

35 ft Tipping Building. Exterior materials are sheet metal and concrete.

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

None.

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

Construct compost process and tipping building below entrance elevation. Construct a berm with landscaping along the west side.

11. LIGHT AND GLARE

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

Lights will be used for night operation. Lights will be tilted downward to reduce off site glare.

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

No.

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

None.

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

None.

12. RECREATION

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

River rafting and trout fishing on the Yakima River. Bicycle riding, horseback riding and hiking on the John Wayne Trail.

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

No.

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

None.

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.

No.

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

In a review of literature by Central Washington University a pre-contact archaeological site (45KT00839) near the river over 1500 feet in distance and three hundred feet in elevation from the proposed project was identified.

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

None.

14. TRANSPORTATION

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

Thorp Prairie Road
Interstate – 90

The site traffic will access the public street, Thorp Prairie Road, using a driveway At the northwest corner of the site. See site Plan in Appendix D.

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

No.
Public Transit is over 50 miles away. Private bus transportation is in Ellensburg, 17 miles away.

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

Approximately 20 parking spaces will be needed.
None will be eliminated.

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).

No new roads or streets. Road integrity testing is underway to determine suitability of existing road and to determine if improvements to Throp Prairie Road are needed.

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

No.

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

At complete build-out and full capacity, 240 trips per day during the spring and fall. Volume of trips are constant during open hours, 8:00 AM to 6:00 PM.

At Phase I Construction, half capacity, 124 trips per day during the spring and fall.

Volume of trips are constant during open hours, 8:00 AM to 6:00 PM.

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

None.

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.

No.

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

None.

16. UTILITIES

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

Electricity, Natural Gas, Water (residential well), Telephone, Septic Tank and Drainfield.

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

Electricity, Telephone, Natural Gas
Electricity and Natural Gas provided by Puget Sound Energy

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: 1/23/2013

Print Name: Laura Carlson

THE REMAINING QUESTIONS ARE EXCLUSIVELY FOR REZONE APPLICANTS AND FOR AMENDMENTS TO COUNTY COMPREHENSIVE PLAN AND CODE. UNLESS THESE APPLY TO YOU, THIS IS THE END OF THE SEPA CHECKLIST.

SEPA ENVIRONMENTAL CHECKLIST QUESTIONS FOR NON-PROJECT ACTIONS ONLY. WHEN ANSWERING THESE QUESTIONS, BE AWARE THE EXTENT OF THE PROPOSAL, OR THE TYPE OF ACTIVITIES LIKELY TO RESULT FROM THE PROPOSAL, WOULD AFFECT AN ITEM AT A GREATER INTENSITY OR AT A FASTER RATE THAN IF THE PROPOSAL WERE NOT IMPLEMENTED. RESPOND BRIEFLY AND IN GENERAL TERMS (ATTACH ADDITIONAL SHEETS AS NECESSARY)

FOR STAFF USE

1 How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise? Proposed measures to avoid or reduce such increases.

2. How would the proposal be likely to affect plants, animals, fish or marine life: Proposed measures to protect or conserve plants, animals, fish or marine life.

3. How would the proposal be likely to deplete energy or natural resources? Proposed measures to protect or conserve energy and natural resources.

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands? Proposed measures to protect such resources or to avoid or reduce impacts.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses? Proposed measures to avoid or reduce shoreline and land use impact.

6. How would the proposal be likely to increase demands on transportation or public services and utilities? Proposed measures to reduce or respond to such demand(s).

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.