

APPENDIX S

SEPA ENVIRONMENTAL CHECKLIST

This Page Intentionally Blank

SEPA ENVIRONMENTAL CHECKLIST

City of Gold Bar 2013 Water System Plan WAC 197-11-960

A. BACKGROUND

1. Name of the proposed project, if applicable:
City of Gold Bar Water System Plan
2. Name of Applicant
City of Gold Bar
3. Address and phone number of applicant and contact person
*John Light, Public Works Director
City of Gold Bar
107 – 5th Street
Gold Bar, WA 98251
360-793-1101*
4. Date checklist prepared:
February 2014
5. Agency requesting checklist:
*Washington State Department of Health
Office of Drinking Water*
6. Proposed time or schedule (including phasing, if applicable):
Anticipated completion is June, 2014.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain:
Yes – The plan identifies needs for 20 years
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal:
None.
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:
None.
10. List any government approvals or permits that will be needed for your proposal, if known:
*Washington State Department of Health
Washington State Department of Ecology*

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.)

Plan for water system improvements for the next 6 to 20 years.

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.

Entire Gold Bar Water System service area.

Townships 27N and 28N, Range 9E, W.M.

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site: Flat, rolling, hilly, steep slopes, mountainous, other.
The planning area is generally FLAT.
- b. What is the steepest slope on the site (approximate percent)?
Approximate percent of steepest slope is 5%.
- 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.
Primarily gravel and glacial till.
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe:
No
- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill:
None. Miscellaneous site work is on a project-specific basis.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe:
Yes, during construction of some of the proposed improvements.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
N/A: The planning effort is non-project related and not associated with a specific site. Projects developed in the plan will address SEPA requirements.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Erosion and runoff controls will be implemented and sites restored and/or landscaped.

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known:
Objectionable odors, exhaust fumes, and dust would be created during construction of any facilities.
- 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:
Construction runoff will be controlled. New facilities will drain to existing storm water system.

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:
Gold Bar is situated along the north bank of the Skykomish River. May Creek and the Wallace River flow from the foothills of the Cascade Mountain range, through town and the water system service area. Both tributaries flow into the Skykomish River
 - 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:
Certain projects may be within 200 ft. of the water bodies noted above. No specific plans are developed at this time.
 - 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:
None
 - 4. Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known:
None anticipated

5. Does the proposal lie within a 100-year floodplain? If so, note location on the site plan:
Yes. FEMA Floodplain maps indicate 100-year flood plains for the Skykomish River, Wallace River and May Creek that are with the water service area.

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 ground water? Give general description, purpose, and approximate quantities if known:
The City currently has groundwater rights, and pumps approximately 60 to 90 million gallons (180 – 275 acre-feet) per year out of two source wells. Application will be made for additional water rights for future growth.
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 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.
None

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.
Construction runoff will be controlled. New facilities will drain to existing stormwater system.
2. Could waste materials enter ground or surface waters? If so, generally describe:
No – All process waste will be controlled.
3. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
Construction controls and landscaping of new or modified facilities

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
- wet soil plants: cattail, 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?

This will be project specific. All sites will be restored and landscaped to match existing.

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

None

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

None

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:

Birds: hawk, heron, eagle, songbirds, other: shorebirds

Mammals: deer, bear, elk, beaver, other: coyote, raccoon

Fish: bass, salmon, trout, herring, shellfish, other:

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

Listed and proposed endangered and threatened species and critical habitat; candidate species; and species of concern in Snohomish County, as prepared by the U.S. Fish and Wildlife Service, Washington Fish and Wildlife office:

LISTED:

Bull trout (Salvelinus confluentus)

Canada lynx (Lynx canadensis)

Gray wolf (Canis lupus)

Grizzly bear (Ursus arctos = U. a. horribilis)

Marbled murrelet (Brachyramphus marmoratus)

Northern spotted owl (Strix occidentalis caurina)

PROPOSED:

North American wolverine (Gulo gulo luteus) – contiguous U.S. DPS
Oregon spotted frog (Rana pretiosa) [historical]

CANDIDATE:

Fisher (Martes pennanti) – West Coast DPS
Yellow-billed cuckoo (Coccyzus americanus)
Pinus albicaulis (whitebark pine)

SPECIES OF CONCERN:

Bald eagle (Haliaeetus leucocephalus)
Beller's ground beetle (Agonum belleri)
Cascades frog (Rana cascadae)
Long-eared myotis (Myotis evotis)
Long-legged myotis (Myotis volans)
Northern goshawk (Accipiter gentilis)
Olive-sided flycatcher (Contopus cooperi)
Pacific lamprey (Lampetra tridentata)
Pacific Townsend's big-eared bat (Corynorhinus townsendii townsendii)
Peregrine falcon (Falco peregrinus)
River lamprey (Lampetra ayresi)
Tailed frog (Ascaphus truei)
Western toad (Bufo boreas)
Botrychium pedunculatum (stalked moonwort)

- c. Is the site a part of a migration route? If so, explain:
No
- 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 completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.
Electric energy requirements will increase for pumping related to additional water demands of population growth.
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally 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:
Use of high efficiency motors.

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, there is no risk to the public. Operations personnel are trained to handle process chemicals.

1. Describe special emergency services that might be required:

None

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

None

- b. Noise

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

Construction noise will be temporary

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?

Equipment noise would be short-term, is low, contained, or muffled and not noticeable beyond facilities site. Work hours will be limited to 7:00 AM to 6:00 PM

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

Enclosures and mufflers

8. Land and Shoreline Use

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

Varies – Residential, Mobile Home Parks, Light commercial and retail, Parks and Schools.

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

No

- c. Describe any structures on the site:

Water System facilities include tanks and pump stations.

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

A 250,000 gallon wood-stave water tank will be demolished.

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

Not applicable – non-project action, covers large area. City zoning map is included in the planning document.

- f. What is the current comprehensive plan designation of the site?
Not applicable
- g. If applicable, what is the current shoreline master program designation of the site?
Not applicable
- h. Has any part of the site been classified as an “environmentally sensitive” area? If so, specify:
No
- i. Approximately how many people would reside or work in the completed project?
Not applicable – this is non-project action
- j. Approximately how many people would the completed project displace?
None
- k. Proposed measures to avoid or reduce displacement impacts, if any:
Not applicable
- l. Proposed measures to ensure the proposal is compatible with the existing land uses and plans, if any:
Water system plan will be reviewed by County Planning Agency.

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:
Not applicable

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?
None
- b. What views in the immediate vicinity would be altered or obstructed?
None
- c. Proposed measures to reduce or control aesthetic impacts, if any:
Landscaping where it is appropriate.

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
None
- 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:
Not applicable

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
None
- 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:
Not applicable

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:
None known.
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.
None
- 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:
The water service area is adjacent to State Route 2.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
Yes
- c. How many parking spaces would the completed project have? How many would the project eliminate?
No change.
- 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
- 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.
None
- g. Proposed measures to reduce or control transportation impacts, if any:
None

15. Public Services

- 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. Check utilities currently available at the site:

- 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 or in the immediate vicinity which might be needed.

Project specific – Most water facilities have water, power, and telephone.

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 Submitted: February 21, 2014

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

This submittal is for the Water System Plan, as projects are implemented, project specific SEPA checklist will be prepared.

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?

Projects will have temporary impact during construction that will be controlled. No impacts are anticipated for operation of the facilities.

Proposed measures to avoid or reduce such increases are:

Control construction noise and limit construction periods.

Control erosion and storm runoff from construction sites.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

No impact on plants, animals, fish, or marine life is anticipated. Construction sites will be restored.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

None – The anticipated construction activities are all located within existing streets and in existing buildings.

3. How would the proposal be likely to deplete energy or natural resources?
Fuel and materials required for replacement of water system pipes and other improvements.
Addition electrical energy need for pumping additional water for projection population growth.

Proposed measures to protect or conserve energy and natural resources are:

Reduction of unaccounted water by repairing leaks will reducing pumping requirements.
Optimization of system operations to reduce redundant pumping.

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?
None anticipated

Proposed measures to protect such resources or to avoid or reduce impacts are:

Select sites that do not overlap sensitive areas.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?
The water improvements will enable continued service to the existing service area for City of Gold Bar. There should be no incompatibility with existing plans.

Proposed measures to avoid or reduce shoreline and land use impacts are:

None.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?
No direct increases in demands. Water system improvements will be provided for the continued community growth.

Proposed measures to reduce or respond to such demand(s) are:

Not applicable

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.
No conflicts are anticipated. The Water System Plan is a State requirement to assure local, State, and Federal requirements are met.