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.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

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

A. BACKGROUND

1. Name of proposed project, if applicable:

Kendall Creek Hatchery Pollution Abatement and Adult Pond Renovation

2. Name of applicant:

Washington State Fish and Wildlife

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

Cindy Knudsen
600 Capitol Way North
Olympia, WA. 98501
360 902 8422

4. Date checklist prepared:

2 13 2013

5. Agency requesting checklist:

Washington State Fish and Wildlife (WDFW)

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

Adult pond: February 1, 2013 – May 31, 2013 or 2014
Pollution Abatement Pond: May 1 – August 31, 2013
Flood plain storage: May 1, August 31, 2013

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 has been prepared, or will be prepared, directly related to this proposal.

An archeology (EZ form) report will be completed.

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.

No.

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

Whatcom County shoreline development and building permits will 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.)

The Kendall Creek Hatchery needs facility renovation involving the adult rearing pond and the pollution abatement pond. In addition, the A floodplain storage area (570 feet by 10 feet) is presently located along the north fork of the Nooksack River, approximately 900 feet from the project location to offset flood flows entering the hatchery during high water events. This floodplain storage area will be increased to offset the water storage effects from repairs to the adult holding pond, and the pollution abatement pond.

Adult Holding Pond

The existing asphalt adult holding pond (240 feet 100 feet) has a concrete spawning structure at one end. This pond will be rebuilt in the same footprint within a smaller (138 feet x 47 feet) area. This project will add safe fish handling features that include construction of the pond by replacing asphalt raceways with concrete walls and installing a new spawning structure at the end of the raceway with improved lighting. The new adult holding pond will be covered with bird netting.

Pollution Abatement Pond

The old pollution abatement pond (27 feet x 37 feet) is ineffective for present hatchery operations. The new pollution abatement pond will be increased (40.6 wide x 105 feet long) to handle the current fish production schedule at the Kendall Creek Hatchery. The new pond will be constructed in the old pond footprint and covered with forest green fabric cover.

Floodplain Storage

The Kendall Creek Hatchery is typically inundated with flood waters during high flow events. A floodplain storage area (570 feet by 10 feet) is presently located along the north fork of the Nooksack River, approximately 900 feet from the project location. To maintain floodplain storage replacement area, the floodplain storage area will be increased to include effects from the adult holding pond and the pollution abatement pond. The new floodplain area (622 feet by 30 feet) will involve removal of 2000 cubic feet of soil (28,500 square feet).

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.

From Interstate 5, take the WA-542 E/Sunset Dr exit, Exit 255 toward Mt. Baker. Turn right onto E. Sunset Dr/WA-542.

Continue to follow WA-542 E. Pass through 2 roundabouts. Continue 0.2 miles past Hatchery Road. If you reach Eastwood Rd, you have gone about 0.8 miles too far. 6263 Mt. Baker Highway. Deming WA. 98244-9512. T 39N, Range 05E, Section 03 (48.89623,-122.14416).

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

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

This project is in a flat area with some rolling hill areas nearby in the vicinity.

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

The steepest slope on the site is 3%

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.

Pilchuck loamy fine sand is found at this site.

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.

Adult Pond: backfill: 4,890 cubic yards
Adult Pond Concrete fill: 474 cubic yards
Pollution abatement Pond Backfill: 800 cubic yards
Pollution Abatement Pond Concrete Fill: 275 cubic yards
Fill will come from a local quarry and from excavated materials found on site.

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

Temporary erosion and sediment control measures will be used during construction activities as described in the site plans. Siltation curtains will be used to prevent siltation from entering the river. Additional siltation prevention BMPs may include; filter fabric fences, and hay bales. If sand bags are used in upland areas they will be removed by hand, and then the filter fabric turbidity screening curtains will be removed. At project conclusion disposed materials will be removed and taken to an approved disposal site out of the flood zone.

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

Existing impervious area within construction limits is equal to 48,850 square feet.
Added impervious area will be 5,400 square feet.
Removed impervious area is equal to 7,500 square feet.
The net change to impervious (paving areas) area is -2,100.

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

Best Management Practices (BMPs) will be used.
Temporary erosion and sediment control measures will be used during construction activities as described in the site plans. Siltation curtains will be used to prevent siltation from entering the river. Additional siltation prevention BMPs may include; filter fabric fences, and hay bales. If sand bags are used in upland areas they will be removed by hand, and then the filter fabric turbidity screening curtains will be removed. At project conclusion disposed materials will be removed and taken to an approved disposal site out of the flood zone.

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.

Some exhaust and dust will be generated by the vehicles used during construction of the project. No permanent increase in emissions will result from the completed project.

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:

None.

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.

The North Fork of the Nooksack River (seasonal) and Kendall Creek (year-round) are present in the vicinity of the proposed project site. Kendall Creek flows into the Nooksack 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.

The pollution abatement pond, the adult holding ponds and the floodplain storage area are all within 200 feet of the Kendall Creek and the north fork of the Nooksack River. See attached plans.

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.

No fill will be removed from wetlands. No fill will be removed from surface waters.

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

This proposal will maintain present surface water withdrawal from Kendall Creek hatchery intake for the adult ponds and the pollution abatement pond. No increased withdrawals are anticipated.

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

Yes the entire area is within a 100 year floodplain.

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.

Yes, discharge from these adult ponds and pollution abatement pond will flow into Kendall Creek. Discharges are covered under provisions of the NPDES permit for this site.

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.

Ground water will be used by the adult rearing pond and the pollution abatement pond from several wells at the Kendall Creek Hatchery. This is typical for standard hatchery operations for this site.

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.

Does not apply.

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.

Waters introduced to the site from stormwater or other runoff will eventually reach the waters of Kendall Creek or the North Fork of the Nooksack River.

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

Only fish waste materials could eventually enter surface waters which are regulated under the NPDES permit.

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

None.

4. **Plants**

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

——— deciduous tree: alder, maple, aspen, other

——— evergreen tree: fir, cedar, pine, other

——— shrubs

__x__ grass

——— pasture

——— crop or grain

——— 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?

Some grass may be removed during construction activities to enlarge the floodplain storage area. No other vegetation removal is anticipated.

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

None are known.

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

Any disturbed areas will be replanted with grass and or shrubs.

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:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other:

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

Puget Sound Chinook, Puget Sound Steelhead, Bull Trout.

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

Salmon and steelhead juveniles and adults migrate through this area to reach spawning and rearing grounds. Fish released from the hatchery return to the adult pond at Kendall Creek.

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

This project supports the rearing of endangered species. The rearing ponds will assist in restoring an ESA listed stock of fish.

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 power will be used to pump water to the ponds. Generator power (diesel) will be used in the event of a power outage.

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:

None.

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.

None

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)?

None

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

Some noise will be generated during construction, such as truck and power tool noise. Noise will only occur from 8 a.m. to 5 p.m. There will be no noise created by the project on a long-term basis.

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

None.

8. **Land and shoreline use**

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

Current use of this site is a State salmon and trout hatchery. Adjacent properties are used as residences and forested areas..

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

No.

c. Describe any structures on the site.

There is the main hatchery building, the feed storage building, the shop, old hatchery building, 4 residences, and 6 structures that house pumps and generators. The site has 3 different sets of raceways currently in use, an adult pond, and four large asphalt ponds not currently used to raise fish.

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

Yes, total concrete demolition will equal 1,517 square feet for the Adult pond, and 999 square feet for removal of the pollution abatement pond.

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

R5

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

Rural Forestry

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

Conservancy.

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?

None.

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

None.

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

None.

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

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?

The top of the roof over the spawning shed is 17 feet, with a fabric roof.

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

None.

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

None.

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?

No.

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?

There are opportunities for wildlife viewing, hiking.

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.

None.

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

Does not apply.

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 site is accessible by Mount Baker Highway, via Hatchery Road. Access will remain unchanged.

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

No public transit serves this site; the closest transit stop is 2 miles away.

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

No parking spaces will be created or 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.

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:

Does not apply

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.

Does not apply.

16. **Utilities**

a. Circle 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.

Existing electric power is provided by Puget Sound Energy and water is provided by on-site wells.

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: Cynthia Smoker

Date Submitted: 2/13/2013

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

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.

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 are:

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 are:

3. How would the proposal be likely to deplete energy or natural resources?

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

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 are:

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

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?

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

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) are:

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