

SEPA ENVIRONMENTAL DOCUMENTS

If an application for a land use or building permit is subject to environmental review under Chapter 43.21C RCW, all SEPA environmental documents must be submitted with the filing of a land use permit or building permit application or the City will not accept the application.

The following is a list of the environmental documents that must be submitted with the land use or building permit application:

1. **Environmental Checklist.** The checklist form can be obtained from the Kirkland Planning Department.
2. **Road concurrency test decision memo.** Applicants must pass road concurrency *before* submitting for a land use or building permit and the environmental documents. Concurrency application forms are available from Public Works or the Planning Departments. If the application passes road concurrency, the Public Works Department's Transportation Engineer will provide the applicant or applicant's traffic engineer with a concurrency test decision memo and traffic information that needs to be included in the Traffic Impact Analysis. A copy of this memo must be submitted to show that road concurrency has been passed.
3. **Traffic Impact Analysis.** Traffic Impact Analysis Guidelines can be obtained from the Planning or Public Works Departments. The Traffic Impact Analysis is to be completed after the road concurrency test has been successfully passed. Information from the City's Transportation Engineer is to be included in the Traffic Impact Analysis along with all other information specified in the guidelines.
4. **Other supplemental environmental information.** Ask the assigned planner at the pre-application meeting what other environmental information will be required with the environmental submittal. All studies and reports must be prepared by a licensed and qualified specialist in the field and approved by the City. Supplemental impact assessment reports or studies that may be required include, but not be limited to the following:

- Lighting
- Environmental health hazard
- Historic
- Wetland and/or stream delineation and analysis, prepared or reviewed by the City's consultant
- Hydrology
- Wildlife
- Views
- Noise
- Geotechnical soils analysis

YOU ARE ENCOURAGED TO MEET WITH A PLANNER FROM THE DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT PRIOR TO AND DURING PROJECT DESIGN TO DISCUSS PROJECT DESIGN AND PROJECT COMPLIANCE WITH CITY REGULATIONS AND TO OBTAIN GUIDANCE ON THE ENVIRONMENTAL MATERIALS THAT YOU MUST SUBMIT. 1/02

CITY OF KIRKLAND 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 City identify impacts from your proposal, and to reduce or avoid impacts from the proposal, whenever possible.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. 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 City staff 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 City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of Checklist for Non-project Proposals:

Complete this checklist for non-project proposals also, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NON-PROJECT ACTIONS (Part D).

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 area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: *Pier & Shoreline Restoration*
2. Name of applicant:
3. Tax parcel number:

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

5. Date checklist prepared: *1/6/2011*

6. Agency requesting checklist: *City of Kirkland*

7. Proposed timing or schedule (including phasing, if applicable): *A.S.A.P. within Agencies guideline closures*

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

No

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

None Known

10. 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 Known

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

LOP - Army Corp of Engineers, HPA - Department of Fisheries

12. Give brief, complete description of your proposal, including the proposed uses, the size and scope of the project and site including dimensions and use of all proposed improvements. 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.

Remove the existing solid concrete pier/breakwater (307sf). Install a new fully grouted pier on steel piles(467sf). Remove the existing mooring pile, the existing boat rail system as well as (2) existing concrete blocks at the site.

Due to the existing solid concrete pier acting as a breakwater there has been an accumulation of rock/ gravel/ cobble mixture on the northeast inlet side behind the pier. Once the breakwater is removed that mixture is subject to migrate away from the site due to the distance away from the shoreline. This proposal would allow for moving that material back along the shoreline at the OHW mark prior to removing the concrete pier to allow for approximately 90 cubic yards of shoreline spawning mixture. The existing gravel/cobble mixture will be enhanced with additional spawning mixture.

The shoreline will also have the following additional bioengineering enhancements/mitigation to allow for an improved ecological function of the shoreline and fish habitat:

A) (2) root wad installations B) Installation of 2-5 man rock in misc. locations along the north shoreline perimeter C) A full shoreline planting plan will be implemented along the length of the shoreline.

A ground base boatlift will be installed and (2) side mount jet ski lifts will be installed.

13. 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.

drawings for site, vicinity map.

See attached

TO BE COMPLETED BY APPLICANT

EVALUATION FOR
AGENCY USE ONLY
REVIEWED BY:

B. ENVIRONMENTAL ELEMENTS

1. EARTH

- a. General description of the site (circle one): Flat, rolling, hilly, steep, slopes, mountainous, other
Relatively low slope at shoreline portion of the site. Relatively flat at inwater portion of the site.
- b. What is the steepest slope on the site (approximate percent slope)?
Approx. 6 degree slope
- 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.
Sand, gravel and muck at inwater portion of site.
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
None known
- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.
90 cubic yards of spanning gravel/cobble mix to be reconfigured at the site and also enhanced with additional mixture from approved upland facility to be added from the barge.
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
No
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt, buildings)?
None
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Fully grated pier structure and minimal pile number and size. The breakwater will be removed and the shoreline will be enhanced with root wad, shoreline spanning gravel and a shoreline planting plan.

2-5 man rocks proposed
are not allowed
along Shoreline per
Kiveland's SMP
Smaller rocks as habitat
enhancement OK per

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.
Temporary dust during construction. No emissions after construction.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
None known

c. Proposed measures to reduce or control emissions or other impacts to air, if any:
Minimize construction time as much as possible. Shop fabricate the super structure of the pier off site.

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.
Yes - Lake Washington

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.
Yes - over Lake Washington - 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.
90 cubic yards of shoreline spawning gravel/cobble mix will be placed along the shoreline.

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.
Not Known

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.
No

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 Systems

c. Water Runoff (including storm water):

- 1) Describe the source of runoff (include 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.
N/A
- 2) Could waste materials enter ground or surface waters? If so, generally describe.
No

Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
N/A

4. PLANTS

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

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- 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?
None Removed

c. List threatened or endangered species known to be on or near the site.
None Known

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
Native plantings will be added to the shoreline per the planting plan

Salmonids

Emergent native plants and shoreline shrubs trees and ground cover are required near shoreline. All planting must be native

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 (Birds)

mammals: deer, bear, elk, beaver, other (Beaver)

fish: bass, salmon, trout, herring, shellfish, other (Salmon, Bass, Trout)

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

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

d. Proposed measures to preserve or enhance wildlife, if any:
Removal of existing solid pier that is acting also as a solid breakwater, new pier will be fully grouted. Steel piles will be used. Native landscape planting plan will be implemented. Root wad and shoreline spawning gravel will be installed along the shoreline..

Known Bald Eagle
Nesting site
within 400 feet

and Bald Eagles

Salmon Spawning
site

This project includes
a separate enhancement
plan beyond required
mitigation.

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.

Electrical for general lighting, solar power will be used for the lift.

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

Yes - a solar panel is set on the battery pack for the boatlift and the solar energy is used for the boatlift.

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:
N/A

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

1) Describe special emergency services that might be required.
N/A

2) Proposed measures to reduce or control environmental health hazards, if any:
N/A

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
None known

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.

Short term construction noise. Hours of operation will be per the Kirkland hours of business ordinance.

3) Proposed measures to reduce or control noise impacts, if any:
Construction to occur during normal business hours.

8. LAND AND SHORELINE USE

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

b. Has the site been used for agriculture? If so, describe.
No

c. Describe any structures on the site.
Single family residence and garage. A two wall shed and a concrete pier

d. Will any structures be demolished? If so, what?
Existing single family pier

e. What is the current zoning classification of the site?
Single Family Residential

f. If applicable, what is the current shoreline master program designation of the site?
Not Known

g. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
No

Deteriorated boat rail system will be removed.

not a pier - is a solid breakwater

WDI - waterfront district II - single family

(RL) Residential Low Density

h. Approximately how many people would reside or work in the completed project.
Single family residence - One family

i. Approximately how many people would the completed project displace?
None

j. Proposed measures to avoid or reduce displacement impacts, if any:
N/A

k. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
Single family residence is the current land use zoning at the site and the adjacent sites.

9. HOUSING

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

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

c. Proposed measures to reduce or control housing impacts, if any:
N/A

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?
Approximately 2'6" above OHW

b. What views in the immediate vicinity would be altered or obstructed?
None

c. Proposed measures to reduce or control aesthetic impacts, if any:
The pier size, configuration and materials and shoreline restoration are all in keeping with the existing piers within the vicinity. The shoreline restoration is within keeping of the Green Shorelines guideline and Fed. regulations.

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

12. RECREATION

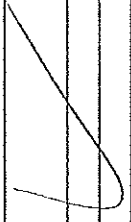
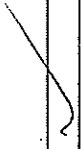
- a. What designated and informal recreational opportunities are in the immediate vicinity?
Boating, Fishing, Swimming
- b. Would the proposed project displace any existing recreational uses? If so, describe.
No
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Pier size and configuration meets current local and federal code standards and will enhance the recreational opportunities at the site.

13. HISTORICAL AND CULTURAL PRESERVATION

- a. Are there any places or objects listed in, 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 Known
- c. Proposed measures to reduce or control impacts, if any:
N/A

Pier must have lighting that does NOT affect fish migration/spawning

New SMP standards specify lighting standards based on D.O.E requirements



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.
10th Street W

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
No

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

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.
Yes - Lake Washington

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

g. Proposed measures to reduce or control transportation impacts, if any:
N/A

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.
N/A

16. UTILITIES

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. *Electric, Gas, Water,*

Refuse, Telephone, Sanitary Sewer

- 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.
Electric, Water

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: January 11, 2011

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:

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.
