

2015 - SEPA - 0003

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City of Lake Forest Park

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: MCKINNON CREEK PUMPHOUSE
2. Name of applicant: LAKE FOREST PARK WATER DISTRICT, Attn. Alan Kerley
3. Address and phone number of applicant and contact person:
4029 NE 178TH STREET
LAKE FOREST PARK, WA 98155
4. Date checklist prepared: 1/11/2016 edits 3/11/2016, 4/19/2016
5. Agency requesting checklist: City of Lake Forest Park
6. Proposed timing or schedule (including phasing, if applicable):
Construction in summer, 2016

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

We may construct an open (pole building) utility shed for storing implements used by the District

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

- 1. There is a steep slope with about 24 feet vertical drop and 48 feet horizontal (50% slope) immediately west of the proposed pumphouse. A site map has been prepared which shows this.
- 2. There is a Category 2 wetland about 50 feet west of the proposed building site. This was delineated in a report by Watershed Inc. in 2015.

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.

- 1. Conditional Use Exception to used land zoned residential for utilities
- 2. Sensitive Areas (steep slope) exception

No other applications or proposals than as listed above.

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

- 1. Conditional Use (City of LFP)
- 2. Sensitive Areas (City of LFP)
- 3. Building Permit (City of LFP)
- 4. Archeological review of site (Washington State) COMPLETE

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.)

This project will see the construction of a pumphouse for community water. The current pumphouse is located on the bank of McKinnon Creek. The proposed site is a residential building lot that was previously developed with a 1,120 sq-ft dwelling (razed in 2007). Along with the proposed pumphouse is construction of underground utilities (piping and electrical).

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.

#18460 47th PL., Lake Forest Park, WA 98155
Township 26 Range 4E, Section 10

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B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other
- b. What is the steepest slope on the site (approximate percent slope)? 50%

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- 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.

- **Older Clay:** Clay and silt of unknown origin compacted by the weight of the Vashon glacier.
- **Esperance sand:** Thinly bedded sand and gravel layers placed prior to and compacted by the weight of advancing glaciers.
- **Glacial till:** Glacially consolidated mixture of non-sorted, non-stratified silt, sand and gravel deposited directly beneath the glacier.
- **Recessional Outwash:** Non-glacially consolidated stratified sand and gravel deposited by meltwater streams as the glacier retreated.
- **Fill:** Artificial or foreign soils used for grading in construction. Consistency and density of the fill soils will depend on construction procedures.

PLEASE CONSULT THE GEOTECHNICAL REPORT BY ROBINSON-NOBLE SALT BUSH 2015 FOR MORE INFORMATION

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

No evidence of unstable soils. Please consult geotech report.

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

Excavation of building below grade 270 cu-yd

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

There will be a need for storm water control during construction. Final use after construction will not present an increased erosion risk.

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

5% of lot area will be covered when pumphouse building is constructed.

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

Temporary Erosion and Sediment Control (TESC) including:

- Cover construction area with straw if raining
- Temporary retention area
- Plastic coverage of excavated materials

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.

During construction there will be dust from disturbed soils. This will be controlled with light spray when necessary.

After construction there will be no impacts to air under normal operation of the pumphouse.

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

NO OFF-SITE IMPACTS

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

Light water spray during construction to control dust.

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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.

McKinnon Creek (a tributary of Lyon Creek is about 100 feet west of the proposed pumphouse.

- 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.

Construction of the proposed pumphouse site is about 100 feet from McKinnon Creek.

- 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.

Nothing to be removed from surface water or wetlands.

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

No surface water withdrawals or diversions.

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

No – the proposal does not lie 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.

N/A

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 – this project does not involve groundwater withdrawal

- 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.

N/A

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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.
Roof gutters will discharge to surface. About 5% of the area is proposed for pumphouse.
- 2) Could waste materials enter ground or surface waters? If so, generally describe.

There will be no discharge of waste materials to surface waters under normal operation.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
NO, during construction BMP's will be in place, but after construction there will not be.

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
- _____ 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?

About 15 trees will be removed during construction of the pumphouse and water piping on the site

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:

Trees – Hookers Willow, Vine Maple

Shrubs – Huckleberry, Salmonberry, Oregon Grape

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: owl – but not spotted owl, red pileated woodpecker

mammals: deer, bear, elk, beaver, other: mountain beaver, raccoon, coyote

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

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

Pileated woodpecker is a state candidate for species of concern, although it is not listed as endangered.

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

Not known

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

- Plants which provide food for wildlife will be used in replanting
- Will leave wildlife snags where possible. Cut trees will be left on-site

6. Energy and natural resources

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

Electric energy to be used for pumping and building heat. Quantity will be similar to existing.

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:

- Pipe sizing will be increased to minimize energy loss in pumping
- Improved building insulation will be used
- Skylights will be used
- Motion sensing lighting will be used where possible.

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, not under normal operation, no environmental health hazards are foreseen.

1) Describe special emergency services that might be required.

Confined space conditions could be required if the proposed location proves un-usable. T

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

b. Noise

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

- A. Short term noise due to construction machinery
- B. Long term noise from pumping and other operations

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. (Please refer to the attached Noise Impact Study McKinnon

Creek Pumphouse). THIS STUDY CONCLUDED THAT THE PROPOSED PUMPHOUSE WILL COMPLY WITH APPLICABLE NOISE CODES.

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3) Proposed measures to reduce or control noise impacts, if any:
Please refer to the attached Noise Impact Study McKinnon Creek Pumphouse

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?
#18460 had a residence until 2007. Presently the site is used for a staging area to support District operations, and as access on the McKinnon Creek wellfield.
- b. Has the site been used for agriculture? NO If so, describe.
- c. Describe any structures on the site. Utility shed 8' x 14'
- d. Will any structures be demolished? YES If so, what? Existing wood pumphouse ON ADJACENT RIGHT-OF-WAY.
- e. What is the current zoning classification of the site? RS-10,000
- f. What is the current comprehensive plan designation of the site?
Residential use SINGLE FAMILY MODERATE.
- g. If applicable, what is the current shoreline master program designation of the site?
N/A
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
Steep slope area and wetland areas
- i. Approximately how many people would reside or work in the completed project?
N/A
- j. Approximately how many people would the completed project displace?
N/A
- k. Proposed measures to avoid or reduce displacement impacts, if any:
N/A

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- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
Conditional Use and PAUE application and review process by City of Lake Forest Park.

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?

16 feet, CONCRETE MASONRY. (C.M.U.)

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

#18456 47th PL (K.C. parcel #4019900175) is east of the subject property and the view to McKinnon Creek ravine could be reduced, but not blocked.

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

Landscaping, tree planting

11. Light and glare

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

There will be motion sensitive lighting on the building with manual override to shut off.

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

Light glare would only be intermittent as required during crew activities. This would not be a safety hazard.

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

N/A

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

Intermittent - timer operated lighting on motion sensors

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12. Recreation

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

There are informal trails

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:

N/A

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. The site was studied with field investigations by Sylvester Lahren, Jr. Ph.D. – a Washington State approved archeologist. Results are summarized in a report titled "A Cultural Resources Survey and Presence/Absence Testing for the Lake Forest Park Water District, Lake Forest Park, King County, Washington" January 5, 2013

Findings of this study concluded that "No archaeological resources were identified during the pedestrian survey or the subsurface presence/absence testing of the project area."

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:

N/A

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.

47th Place NE

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

The neighborhood does have public transit services.

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

Will have 1 – 2 parking spaces. None 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.

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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.

Average 5 vehicle trips per day. Peak volumes would be Monday – Friday between 8:30 and 4:30pm.

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

The proposed trip impacts are less than would be expected for a single residential establishment. Institute of Transportation Engineers (ITE) data suggest that a single family residential unit will generate 9.57 vehicle trips per day. In this case we expect an average of 5 vehicle trips per day.

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 increase, although the new pumphouse will be more accessible than the existing one and will be designed to meet modern fire code.

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. Cable TV/Internet

c. 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.

Electricity, gas, refuse, telephone, sewer, tv/internet

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: Dem W. Marshall, P.E.

Date Submitted: JUN 23, 2016