

WAC 197-11-970 Determination of nonsignificance (DNS).

DETERMINATION OF NONSIGNIFICANCE

Description of proposal

Under the Soil Safety Program Ecology will do the following at these locations:

*Soil Safety Program general: The purpose of the planned filling and grading is to remove arsenic and or lead contaminated soils and replace the excavated materials with clean soil from an approved offsite source (landscape material provider) selected by the contractor. The quantities for each site are presented below.*

*Point Defiance Park Soil Safety Program Work: Under the WA State Department of Ecology's Soil Safety Program, the project will remove approximately 2000 tons of contaminated soil from depths of 0 to 12-inches, by traditional excavation methods. Additional excavation and/or application of a geotextile separation barrier may be warranted depending on confirmation sample results obtained from the initial excavation depth. The site will be restored with suitable clean soils. The final grades will match existing grade primarily. Soils will be planted with sod or hydroseed. Some of the project also includes capping an area with mulch.*

Proponent Washington State Department of Ecology

Location of proposal, including street address, if any  
*Point Defiance Park, 5400 N Pearl St, Tacoma, WA 98407.*  
Parcel Number: 0221103000

Lead agency Washington State Department of Ecology

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

- There is no comment period for this DNS.
- This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.
- This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date below.

Responsible official Rebecca S. Lawson, P.E., LHG

Position/title Regional Section Manager, Southwest Regional Office, Toxic Cleanup Program Phone. 360-407-6241

Address PO Box 47775 Olympia, WA 98504

Date 9-25-15 Signature Rebecca S. Lawson

(OPTIONAL)

- You may appeal this determination to (name) \_\_\_\_\_  
at (location) \_\_\_\_\_  
no later than (date) \_\_\_\_\_  
by (method) .....

You should be prepared to make specific factual objections.

Contact \_\_\_\_\_ to read or ask about the procedures for SEPA appeals.

There is no agency appeal.

## SEPA ENVIRONMENTAL CHECKLIST

### **Purpose of checklist:**

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

### **Instructions for applicants:**

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

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.

### **Instructions for Lead Agencies:**

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

### **Use of checklist for nonproject proposals:** [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

## **A. Background** [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

*Tacoma Smelter Plume, Soil Safety Program – 2016 Winter Work, Site: Point Defiance Park – Fort Nisqually Area*

2. Name of applicant: [\[help\]](#)

WA State Department of Ecology, Toxics Cleanup Program, SWRO

3. Address and phone number of applicant and contact person: [\[help\]](#)

PO Box 47775, Olympia, WA

Contact: Amy Hargrove

Tel: (360) 407-6262; Email: amy.hargrove@ecy.wa.gov

4. Date checklist prepared: [\[help\]](#)

August 19, 2015

5. Agency requesting checklist: [\[help\]](#)

WA State Department of Ecology

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

Soil remediation actions are scheduled to begin as follows:

January 2016 – March 2016

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

*The soil contains arsenic or lead or both arsenic and lead above the Washington State Model Toxics Control Act standard for unrestricted land uses due to historic fallout from the Asarco Tacoma Smelter. Ecology and Tacoma Pierce County Health Department have previously tested soil at this site.*

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. [\[help\]](#)

No.

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

**EXEMPT PERMITS** (Permits where MTCA exemption does apply):

*The Ecology Soil Safety Program remedial work at Vassault Park is under the Model Toxics Control Act (MTCA). A provision of MTCA (RCW 70.105D.090 Remedial actions – Exemption from procedural requirements.) exempts these*

projects from local permits that may be needed by cities or counties, however MTCA requires Ecology to meet the substantive requirements of the permits. Ecology will meet the substantive requirements of applicable permits and reserves their right of exemption from procedural requirements related to permits.

*Note: Though Ecology is exempt from these permit, Ecology may request a permit number and submit an application to the City of Tacoma. Ecology recognizes the benefit of the City of Tacoma's review, the benefit of having a permit number for coordination and communication purposes.*

- **City of Tacoma, Grading Permit .**
  - *Applicable since > than 50 CY. The project will excavate about 3,200 CY over about 90,000 square feet. The site will be restored to a new grade to improve drainage. About 1-foot cap of clean soils will be placed on the site.*
- **City of Tacoma, TMC 13.11 Critical Areas Preservation:** *There are no critical areas within the work limits. A steep slope is located north of the west end park boundary within 41st Street. This is not expected to have a substantive impact on the project work.*
- **City of Tacoma, Stormwater mitigation, (City of Tacoma Surface Water Management Manual).**
  - *Likely applicable and addressed through NPDESC Construction Stormwater General Permit, SWPPP.*

**NON EXEMPT PERMITS** (Permits where MTCA exemption is not applicable):

- **State of Washington, Dept. of Ecology: NPDES Construction Stormwater General Permit.**
  - *Not exempt and required since site is > 1 acre with special requirements for sites with contaminated soils. The project will impact almost 8 acres. Special requirements apply due to the presence and levels of arsenic and include an Ecology Water Quality review of SWPPP.*
- **City of Tacoma Building Permit.**
  - *The drainage and irrigation improvements that MetroParks Tacoma may piggyback on to the Ecology public works contract may require a City of Tacoma Building Permit.*

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.) [\[help\]](#)

*Point Defiance Park – Ecology's Soil Safety Program: Under this program work is completed to reduce risk of exposure to arsenic and or lead contaminated soils originating from historic fallout from the Asarco Tacoma Smelter, typically through excavation and off-site disposal of the contaminated soils. Excavated contaminated soils are replaced with clean soil from an approved offsite source (landscape material provider) selected by the contractor. For this specific project, Ecology will remove contaminated soils and cap any remaining contaminated soils with a clean topsoil cap which forms a barrier to reduce risk of exposure. The remediation area is predominantly flat grassy area used as a play areas.*

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. [\[help\]](#)

*Point Defiance Park, 5400 N Pearl St, Tacoma, WA 98407.  
Parcel Number: 0221103000*

*Section 14 Township 21 Range 02 Quarter 34 : 4 GOVT LOTS 1, 2 & 3 14 21 2E D 2, 3 & 4 GOVT LOTS 1, 2 & 3 & S 1/2 OF SW ALSO 15 21 2E D 1, 2, 3 & 4 GOVT LOT 1, 2, 3, 4, 5 & 6 & E 1/2 OF SW BEING POINT DEFIANCE PARK 647.86 ACS M/L*

## **B. ENVIRONMENTAL ELEMENTS** [\[help\]](#)

### **1. Earth** [\[help\]](#)

a. General description of the site: [\[help\]](#)

*Generally flat*

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

*There is a slope in the cleanup area that is >40%.*

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 agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)

*Geotech Report has not been prepared for this site. Soils type typical for this area is Qvr or Vashon Recessional outwash deposits – Stratified sand and gravel, moderately to well sorted, and well-bedded silty sand to silty clay deposited in glacial and ice marginal environments.*

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

*No*

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

**Soil Safety Program general:** *The purpose of the planned filling and grading is to remove arsenic and or lead contaminated soils and replace the excavated materials with clean soil from an approved offsite source (landscape material provider) selected by the contractor. The quantities for each site are presented below.*

**Point Defiance Park Soil Safety Program Work:** *Under the WA State Department of Ecology's Soil Safety Program, the project will remove approximately 2000 tons of contaminated soil from depths of 0 to 12-inches, by traditional excavation methods. Additional excavation and/or application of a geotextile separation barrier may be warranted depending on confirmation sample results obtained from the initial excavation depth. The site will be restored with suitable clean soils. The final grades will match existing grade primarily. Soils will be planted with sod or hydroseed. Some of the project also includes capping an area with mulch.*

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

[\[help\]](#)

*While construction is not planned for anywhere near the unstable slope area, it is possible that some erosion may occur on parts of the side as development activities are on-going. Construction activities including stripping and grading will expose soils to the erosion effects of wind and water. Wet weather construction could increase the amount and extent of erosion and potential sedimentation.*

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

*There will be no increase in impervious surfaces as there are no new impervious surfaces are planned for this project.*

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

*Existing fields are natural turf and rely on surface drainage or infiltration. In addition to natural drainage of fields erosion and sedimentation control measures will be implemented using a combination of interceptor swales, silt fences and straw mulch for temporary erosion protection. They will be installed and maintained according with the requirements of the Washington State Department of Ecology.*

## 2. Air [\[help\]](#)

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

*Minimal emissions are anticipated as a result of construction workers use of personal, company, and or subcontractor vehicles to and from site.*

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

No

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

*Sites will be watered to minimize dust, if needed.*

### 3. Water [\[help\]](#)

#### a. Surface Water:

- 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. [\[help\]](#)

*Yes, the project is partially located within the 200' setback from the shoreline of the Puget Sound.*

- 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. [\[help\]](#)

*Yes, there will be soil removal and replacement within 200' of the setback.*

- 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. [\[help\]](#)

*None.*

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

*No surface water will be withdrawn or divered for this project.*

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

*This project is not 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. [\[help\]](#)

*No waste materials will be discharged into surface waters.*

#### b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

*No groundwater will be with drawn or discharged to the groundwater as part of this project.*



- 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. [\[help\]](#)

*No waste material will be discharged into the ground.*

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. [\[help\]](#)

*The primary source of water runoff will be stormwater.*

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

*Waste materials could enter surface waters from stormwater runoff, but it is unlikely due to the bowl shaped excavation and TESC measures that will be in place.*

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

*No, this project will not alter or affect drainage patterns in the vicinity of the site.*

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

*Excavation will be done in a bowl to collect any water runoff. There will also be TESC measures in place to stop surface water runoff out of the construction site.*

4. Plants [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

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? [\[help\]](#)

*Only grass will be removed and it will be replaced after soil removal.*

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

*No threatened or endangered species are known to be on or near the site.*

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

*No new vegetation is proposed to be added in this project.*

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

*English holly, Himalayan blackberry, Scotch Broom, Portugese laurel.*

## 5. Animals [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

birds: hawk, heron, eagle, songbirds, other: Birds such as jays, crows, sparrows, etc and coastal birds such as seagulls are likely to be seen on or near the park.

mammals: deer, bear, elk, beaver, other: small mammals such as rodents/squirrels, and raccoons are likely to be seen on or near the site.

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

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

*Chinook salmon, bull trout, steelhead trout, marbled murrelets, steller sea lions, humpback whales, orca whales, and leatherback turtles are known to frequent the waters of the Puget Sound.*

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

*This is within the Pacific Flyway for migratory birds. Migrating birds can be found in lakes, ponds, and wetlands in the area.*

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

*Work on this project is not anticipated to impact any wildlife in the area.*

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

*European starlings and Eastern grey squirrel are likely in the area and there may be American Bullfrogs, nutria and other invasive animal species in the area.*

## 6. Energy and Natural Resources [\[help\]](#)

- 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. [\[help\]](#)

*Existing electric power will continue to serve the facility. Gasoline and diesel will be used for running the equipment for this project.*

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

*No. This project will not impact solar use by any adjacent properties.*

- 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: [\[help\]](#)

*This projects implement green construction practices, including minimizing total energy use, gas emissions, and improving materials management by reducing, reusing, and recycling materials.*

## 7. Environmental Health [\[help\]](#)

- 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. [\[help\]](#)

*This proposal is to remove arsenic and lead contamination, which will only be released in dust or runoff. There will be measures in place to reduce dust and runoff. There is also a health and safety plan contractors must follow.*

- 1) Describe any known or possible contamination at the site from present or past uses.

[\[help\]](#)

*Known contamination includes arsenic and lead due to deposition from the Tacoma smelter plume from the Asarco smelting plant that operated for almost 100 years. The purpose of this project is to remove this contamination.*

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)

*No known chemicals or conditions on site are likely to change the project development or design.*

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)

*No toxic chemicals will be stored, used or produced during this project.*

- 4) Describe special emergency services that might be required. [\[help\]](#)

*None proposed.*

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

*Decontamination stations and wheel washes will be placed to remove any contaminated soil from moving off site. A health and safety plan is implemented for contractors.*

b. Noise [\[help\]](#)

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

*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. [\[help\]](#)

*Short-term minimal construction noise will occur during daytime hours of construction.*

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

*None proposed.*

8. Land and Shoreline Use [\[help\]](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

*Site is currently part of the greater 700 acre site of Point Defiance Park. Apart from general park areas, adjacent uses include an existing pier, boathouse, restaurant and zoo to the east.*

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

*No, this site has not been used as working farmlands or forest lands.*

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [\[help\]](#)

*No, the proposal will not affect surrounding working farms or forest land normal business operations.*

c. Describe any structures on the site. [\[help\]](#)

*There are 13 historic buildings in the Fort Nisqually cleanup area, with construction work adjacent to 7 of these buildings.*

d. Will any structures be demolished? If so, what? [\[help\]](#)

*No structures will be demolished in this project.*

e. What is the current zoning classification of the site? [\[help\]](#)

*R1, One Family Dwelling*

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

*The current Land Use Intensity is Type 2, Low.*

g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

*S-3, Shoreline Western Slope North.*

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

[\[help\]](#)

*Fort Nisqually:*

*No critical areas were found within the Fort Nisqually remediation areas, however, critical areas are mapped within 300 feet of the remediation areas. Pierce County maps a Potential (Regulated) Flood Hazard Area within 300 feet of the remediation areas. The potential flood hazard area lies outside the proposed remediation areas and no buffers apply, therefore there are no requirements for remediation design.*

i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

*This project will not affect the amount of people who work in the area.*

j. Approximately how many people would the completed project displace? [\[help\]](#)

*None.*

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

*None.*

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

*None, land uses will be equivalent before and after work is complete.*

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

*None necessary.*

**9. Housing** [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

*None.*

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

*None.*

- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

*None.*

**10. Aesthetics** [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#)

*No new structures are proposed for this project.*

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

*None.*

- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

*None.*

**11. Light and Glare** [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

*This project will occur from 8:00am to 5:00pm weekdays with possible weekend work from 9:00 am to 5:00pm. It is not anticipated to produce extra light or glare.*

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

*Not applicable.*

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

*None.*

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

*None needed.*

**12. Recreation** [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

*Fishing, boat rentals, walking, running, zoo, parks, playgrounds, etc.*

b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)  
*Some areas of the park will be affected but the existing recreational uses will continue in other areas of the park.*

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

*None needed.*

### 13. Historic and cultural preservation [\[help\]](#)

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe. [\[help\]](#)

*Two previously recorded, historically significant properties are located within one of the proposed remediation parcels. The Fort Nisqually Restoration (45PI156) includes the original granary and Factor's house constructed by the Hudson's Bay Company between 1843 and 1845, while the remainder of the buildings and structures are replicas built in 1943 (Green n.d.; Hruza 1975). The Granary and Factor's House (45PI224) were moved and re-erected at the current location in 1943 by the Young Men's Business Club of Tacoma. The Granary is considered the oldest building in Washington State (Hruza 1975). Fort Nisqually as it stands now includes an "exact duplicate of the original" and has living history programs for visitors (Everhart 1959; Green n.d.). The Fort Nisqually Restoration (45PI156) was listed on the WHR on February 13, 1970, and the Granary and Factor's House (45PI224) on April 15, 1970 (DAHP 2014a, 2014b).*

*Some historic property inventory forms have been completed for buildings, structures, or objects (BSOs) in the Point Defiance area (near but not within either the Fort Nisqually or the Play Area remediation sites); therefore, they are not listed individually in the Appendix table. Those HPIs were found in the City of Tacoma's Historic Inventory Database.*

*No previously recorded archaeological sites, isolates, or cemeteries were identified within the Summer 2014 Group 2 parcel locations. All of the resources listed below were within 2.5 miles of the parcels.*

*The nearest recorded resources are:*

- *Archaeological sites:*
  - *Narrowsgate Site (45PI585) (a historic refuse scatter, determined Not Eligible for listing in the NRHP by DAHP) (McKillop 2003)*
  - *Site 45PI747 (a historical maritime property, determined Not Eligible for listing in the NRHP by DAHP) (Butler 2004)*
  
- *Cemeteries:*
  - *St. Luke's Memorial Episcopal Church Columbarium (45PI898) (DAHP 2013a)*
  - *St. Andrew's Episcopal Church Columbarium (45PI1244) (DAHP 2014c)*
  - *Day Island Burial Site (45PI900) (DAHP 2014d)*

- *Additional Register Properties near the remediation parcels include:*
  - *Tacoma Narrows Bridge Span (45PI259) (listed in WHR on 9/15/1994) (DAHP 2014e; Krier and Holstine 1993)*
  - *Tacoma Narrows Bridge Ruins (45PI601) (listed in NRHP and WHR on 8/31/1992) (DAHP 2014f; Sivinski et al. 1991)*
  - *Point Defiance Streetcar Station (45PI1321) (listed in NRHP and WHR on 1/8/2014) (DAHP 2014g; McGinnis 2013)*
  - *Salmon Beach Historic District (45DT59) (listed in WHR on 11/19/1976) (DAHP 2014h; Graham 1976)*
  - *Winnifred St. Bridge (45PI619) (listed in NRHP and WHR on 3/28/1995) (DAHP 2013b; Krier et al. 1991)*
  - *Fire Station No. 14 (45PI649) (listed in NRHP and WHR on 5/2/1986) (Brack 1985; DAHP 2013c; OAH 1986)*

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

*An archival record search for records pertaining to locations within ½ mile was conducted and a report provided to Ecology on July 29, 2014 by Historical Research Associates, Inc. (HRA). This records search did not find any evidence of cultural importance on or near the site but recommends monitoring due to the development dates being historic-era.*

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

*HRA conducted the archival record search using DAHP's online database (WISAARD), property inventory forms (HPIs), historic properties listed in the National Register of Historic Places (NRHP) or Washington Heritage Register (WHR), and cemetery records. The Pierce County Assessor-Treasurer's office online Parcel Search database was used to obtain information on each property. The archival record search and monitoring recommendations were sent to the tribes and DAHP for their review*

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)  
*An archeological monitor will be present during all excavation activities. In the event of an inadvertent discovery of historic or prehistoric archaeological materials disturbance will stop and an HRA archaeologist and the property owner will be contacted. The archaeologist will verify the identification and significance. Ecology will obtain a permit to dig from DAHP, if required.*



#### 14. Transportation [\[help\]](#)

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)  
*Point Defiance Park is accessed by N Pearl St. Once inside the park the project sites are on the Five Mile Dr which is a road within the park.*

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)  
*Point Defiance Park is served by public transportation. There is a public bus stop approximately 1 mile from the Fort Nisqually site. The public bus stop is approximately 0.5 miles away from the picnic area.*

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)  
*The park will retain the same number of parking spaces, and will neither gain or eliminate any parking spaces.*

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)  
*This proposal will not require any new transportation facilities or improvements to existing roads or other facilities.*

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)  
*This project will not use or occur in the immediate vicinity of water, rail, or air transportation.*

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)  
*Vehicular trips per day will not change due to the completion of this project at either site.*

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)  
*This project is not expected to affect or be affected by agricultural or forest products roads in the area.*

h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)  
*None.*

#### 15. Public Services [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)  
*No.*

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

*None needed.*

**16. Utilities** [\[help\]](#)

a. Circle utilities currently available at the site: [\[help\]](#)

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. [\[help\]](#)

*None unless utilities are damaged during the project.*

**C. Signature** [\[help\]](#)

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: \_\_\_\_\_ *Amy Hargrove*

Name of signee \_\_\_\_\_ *Amy Hargrove*

Position and Agency/Organization \_\_\_\_\_ *Remediation Manager / Dept of Ecology*

Date Submitted: \_\_\_\_\_ *9/18/15*

**D. supplemental sheet for nonproject actions** [\[help\]](#)

(IT IS NOT NECESSARY to 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?