ENVIRONMENTAL CHECKLIST

Seattle-Tacoma International Airport (SEA)

Aquatic Mosquito Control Program

A. BACKGROUND

1. Name of proposed project, if applicable:

Aquatic Mosquito Control Program

2. Name of applicant:

Port of Seattle (Port)

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

Port of Seattle
P.O. Box 68727
Seattle, WA 98168

Contact: Steve Rybolt, Senior Environmental Program Manager
Telephone/Email: (206) 787-5527, Rybolt.S@portseattle.org

4. Date checklist prepared: March 4, 2023

5. Agency requesting checklist: Port of Seattle – SEPA File Number 2024-01

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

Implementation of an Aquatic Mosquito Control Program (program) at Seattle-Tacoma International Airport (SEA) will be seasonal, occurring May through September as necessary. The program is expected to begin in 2024, with permit coverage renewal occurring every five years per Washington State Department of Ecology (Ecology) General Permit cycles.

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

The program is anticipated to occur indefinitely beginning in 2024, with permit coverage renewal occurring every five years with Ecology. No other plans for future additions, expansion, or further activity is related to or connected with this program.

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

Information is available through Ecology's aquatic pesticide permit web page: https://ecology.wa.gov/regulations-permits/permits-certifications/aquatic-pesticide-permits/aquatic-mosquito-control

Additional information is available from Washington State Department of Agriculture Pesticide Registration related to the review of pesticides and other products used during mosquito treatment activities: https://agr.wa.gov/services/licenses-permits-and-certificates/pesticide-license-and-recertification

9. Do you know whether applications are pending for governmental approvals or other proposals directly affecting the property covered by your proposal? If yes, explain.

No applications are pending for governmental approvals and no other proposals directly affect the property covered by this proposal.

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

Washington State Department of Ecology Aquatic Mosquito Control General 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.)

SEA is applying for coverage under Ecology's Aquatic Mosquito Control General Permit (General Permit) to carry out a mosquito population control program. The mosquito control program would be implemented to minimize insect populations that attract hazardous wildlife such as birds, per SEA's Hazardous Wildlife Protection Plan. SEA has stormwater ponds with the potential to host large populations of mosquitos. Receipt of the General Permit coverage would allow SEA to apply pesticides to these stormwater ponds. The General Permit authorizes the use of multiple pesticides, however SEA is most likely to use an approved pesticide that is a naturally occurring soil bacterium[1] that can effectively kill mosquito larvae present in water. No measurable environmental health hazards are associated with exposure to this pesticide, which is non-toxic to mammals, birds, and fish (Washington State Department of Health [WDOH] 2024).

Between May and September, SEA pest management staff will inspect the ponds (Figure 1) for mosquito larvae presence. If activity is present, then the pesticide would be applied directly to the pond(s) to manage the populations. All treatments authorized by coverage under the Ecology General Permit will be performed by, or supervised by, a licensed applicator who will follow Ecology's "Best Management Practices for Mosquito Control, May 2004 (publication number 03-1 0-023) or equivalent (Ecology 2023).

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.

The Program will be implemented on Port-owned property at SEA. The physical address is as follows:

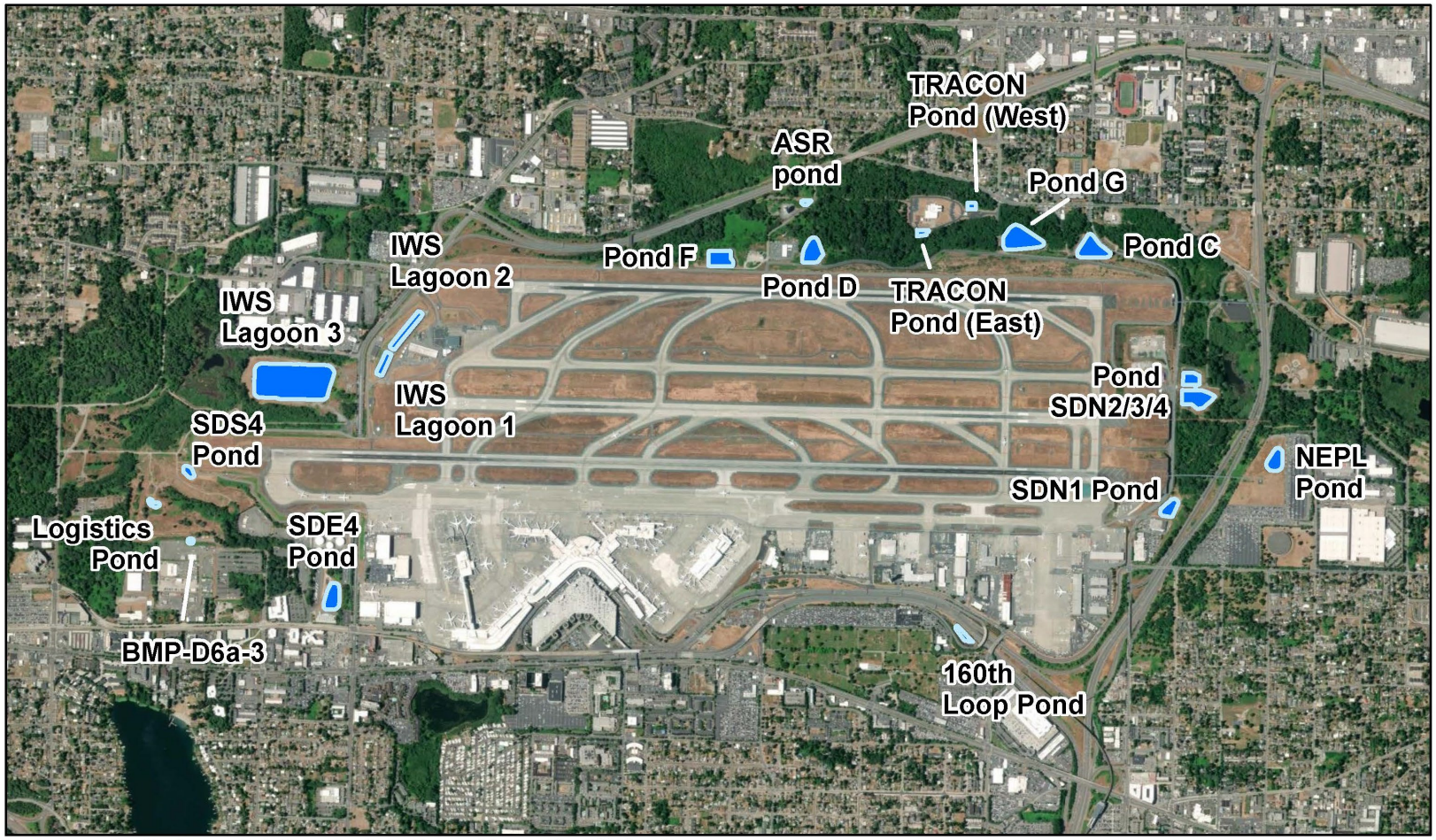
17801 Pacific Highway South
SeaTac, WA 98158

Latitude: 47.448417, Longitude: -122.302099

The Project locations are shown in Figure 1.

[1] The active ingredient is a bacterium called *Bacillus Thuringiensis Israelensis* (or BTI)

Figure 1 Site Map



Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Mosquito control measures to be undertaken at the following SEA stormwater ponds (south - north):

1. SDD06A (Logistics Construction Pond)
2. SDS4 Pond
3. BMP-D6a-3
4. IWS Lagoon 3
5. SDE4 Pond
6. IWS Lagoon 1
7. IWS Lagoon 2
8. Pond F
9. ASR Pond
10. Pond D
11. TRACON Pond (East)
12. TRACON Pond (West)
13. 160th Loop Pond
14. Pond G
15. Pond C
16. SDN1 Pond
17. Pond SDN 2/3/4
18. NEPL Pond

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

The topography of the program area varies depending on location but is generally flat with steep slopes occurring on the banks of the retention ponds.

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

The retention pond banks slope at a 40-45 percent grade.

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.

Underlying soil consists of pre-existing glacial till (i.e., Vashon till) and associated outwash sediments or imported sand, gravel, and pre-existing fill that was graded and compacted during original site use.

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

No. The retention pond banks are engineered for stability. There are no indications of unstable soils at the site, or history of soil instability.

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.

The program does not include any excavation, fill or grading.

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

No. The program does not require clearing, construction, or other uses that could cause erosion.

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

There will be no change to the amount of impervious surface coverage.

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

None. Implementation of the program will not cause erosion or other impacts to the earth.

2. Air

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.

Air emissions may include pesticide vapors from treatment and emissions from equipment used to apply the pesticides. The duration of the impact from the pesticide vapors would be localized, and not likely to exceed the application process time (Ecology 2023).

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

There are no off-site sources of emissions that will affect the program (Ecology 2023).

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

If used, the pesticide labels require that application only occur when wind speeds are 10 miles per hour (mph) or less. In addition, application of pesticide is performed during those periods of time when adult mosquitos are most active (after sunset and before sunrise).

3. Water

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.

There are currently 18 engineered stormwater retention ponds at SEA that may require application of mosquito control measures, including:

1. Storm Drainage (SD) 06A (SDD06A) Pond or Logistics Construction Pond
2. SD South 4 (SDS4) Pond
3. BMP-D6a-3 (Logistics Flow Splitter with Oil Control)
4. Industrial Wastewater System (IWS) Lagoon 3
5. SD East 4 (SDE4) Pond
6. IWS Lagoon 1
7. IWS Lagoon 2
8. SD West 2 (SDW2) Pond
9. Airport Surveillance Radar (ASR) Pond
10. SD West 1B (SDWlB) Pond
11. Terminal Radar Approach Control Facilities (TRACON) Pond (East)
12. TRACON Pond (West)
13. SD West 1A (SDWlA) Pond
14. SD North 3A (SDN3A) Pond
15. 160th Loop Pond
16. SD North 1 (SDNl) Pond
17. SD North 2/3/4 (SDN2/3/4) Pond
18. North Employee Parking Lot (NEPL) Pond

Pesticide treatment may also occur at future stormwater ponds that are constructed at SEA to meet project-specific stormwater standards.

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, pesticides would be applied directly to the 18 ponds when mosquito activity is detected.

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 or dredge material will be placed in or removed from surface waters or wetlands.

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

No, the Project will not require surface water withdrawals or diversions.

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

The stormwater detention ponds do 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.

Yes. SEA is seeking coverage under Ecology's Aquatic Mosquito Control General Permit that authorizes the discharge of a specific list of pesticides to waters of the state. The discharge will be either direct or indirect due to pesticide drift from the treatment area. The amounts discharged are expected to be small and will be recorded in the required annual reports.

If pesticides are released into the environment or surface water at a level beyond the amount authorized by the Ecology General Permit, it is a permit violation. Ecology requires that if a Permittee (in this case SEA) violates permit conditions, they must take steps to stop the activity, minimize any violations, and report those violations to Ecology. For pesticide applications authorized in the permit, applicators must report violations to the Aquatic Mosquito Control General Permit Manager and the Regional Spills Hotline (ERTS Hotline) within 24 hours. This allows Ecology to determine if more action is necessary to mitigate the permit violation.

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.

Groundwater will not be withdrawn, nor will water be discharged to groundwater for 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.

Waste materials will not be discharged into the ground from a septic system or other source.

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.

The stormwater retention ponds that may be treated with pesticides are part of SEAs stormwater system designed to manage stormwater and wastewater for the purposes of complying with the Port's Individual National Pollutant Discharge Elimination System (NPDES) permit (#WA-0024651) and Individual Wastewater Discharge (IWD) permit (#7810-05). Treatment methods within SEA's stormwater system include infiltration and detention. Once treated, water is discharged to Puget Sound via Des Moines Creek, Miller Creek, Walker Creek, and Gilliam Creek. All discharges are subject to NPDES permit conditions.

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

Yes. SEA is seeking coverage under Ecology's Aquatic Mosquito Control General Permit that is specifically designed to condition the discharge of potential pollutants to surface water that would occur as a result of mosquito control activities. All treatments authorized by the Ecology general permit will be performed by, or supervised by, a licensed applicator who is required to follow volume use rate restrictions on the label for the product being used.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No, the program will not alter or otherwise affect drainage patterns in the vicinity of the site.

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

None. No surface, ground, runoff water and drainage pattern impacts are anticipated.

4. Plants

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

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

☐ evergreen tree: fir, cedar, pine, other

☒ shrubs: Himalayan blackberry

☐ 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

_____ crop or grain

_____ orchards, vineyards or other permanent crops

_____ wet soil plants: bittersweet nightshade, stinging nettles, lady fern water plants:

_____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

No vegetation will be removed or altered.

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

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

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

No vegetation disturbance will occur during the program. No proposed landscaping, use of native plants, or other measures are proposed to preserve or enhance vegetation on the site.

e. List all noxious weeds and invasive species known to be on or near the site.

Invasive species such as white poplar (*Populus alba*) and Himalayan blackberry (*Rubus armeniacus*), are present on SEA property.

5. Animals

a. List any birds and animals which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: hawk, heron, eagle, songbirds, other: starlings, crows, gulls, pigeons

Mammals: deer, bear, elk, beaver other: rodents, small mammals

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

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

No threatened or endangered animal species are known to occur on or near the Project site.

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

SEA property and lands are not part of any known migration routes.

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

The pesticide most likely to be used is very specific for mosquitoes, however it also kills black fly larvae, and has minor effects toward some other fly species. The approved pesticide would be the primary material used for mosquito control because of its low toxicity to non-target species (WDOH, 2024). SEA is most likely to apply Aqaubac® (200G) or equivalent which is approved for use in areas that contain aquatic life, fish and plants, and to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife (EPA 2022). To mitigate potential impacts to wildlife that are not mosquitos, Ecology's permit limits how and when pesticides may be used.

e. List any invasive animal species known to be on or near the site.

Rock pigeons (*Columba livia*), European starlings (*Sturnus vulgaris*), and American bullfrog (*Rana [Lithobates] catesbeiana)* are the only invasive animal species known to exist near the program areas.

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.

No energy sources are required to implement the program.

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

The program will not affect the potential use of solar energy by 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:

None. No energy use or impacts is required to implement the program.

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. No measurable environmental health hazards are associated with exposure to the pesticide, which is non-toxic to mammals, birds, and fish (WDOH 2024). SEA is planning to apply Aqaubac® (200G) or equivalent which is approved for use in areas that contain aquatic life, fish and plants, and to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife (EPA 2022). The pesticide intended for use is non-toxic by ingestion, skin contact or inhalation (Aquabac (200G) 2015). Direct contact with eyes or skin may cause mild irritation (Aquabac (200G) 2015). Repeated exposure to high concentrations of the pesticide can cause allergic reactions (EPA 2022).

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

Implementation of the program will not result in contact with contaminated materials, soils or groundwater. Plans are in place to handle contamination at SEA per local, state, and federal regulations.

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.

There are no known hazardous chemicals/conditions that might affect the program. The application of pesticides is topical, so no encounters with hazardous chemicals/conditions is anticipated.

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.**

No toxic or hazardous chemicals are planned to be stored, used, or produced during implementation of the mosquito control program. The pesticide intended for use is non-toxic by ingestion, skin contact or inhalation (Aquabac [200G] 2015).

4) **Describe special emergency services that might be required.**

No special emergency services are expected as a result of implementing the program. The Port maintains its own police force and firefighting and rescue units as well as a trained first response team available to respond at all times in case of an emergency.

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

Per the Ecology Aquatic Mosquito Control General Permit, SEA will provide public notice of mosquito control activities least ten (10) days before the first application of the year's treatment season. The public notice will include the following information:

- The pesticide(s) planned for use.
- The active ingredient(s) and either the product label or the EPA registration number.
- The approximate date ranges of the planned treatment and treatment location(s).
- The procedure for a person to follow if they want to be added to the Pesticide Sensitivity Registry, maintained by the Washington State Department of Agriculture (WSDA).
- The WSDA's website that provides information about the registry and the procedure to be added to the registry (Ecology 2023).

In addition, SEA must ensure that:

- A licensed applicator has direct supervision responsibilities for the use of pesticides during treatment.
- All applicators, including those under the direct supervision of an applicator, have current training in the use of the equipment used for treatment and that they use approved treatment techniques.
- Appropriately trained personnel calibrate and/or maintain the equipment used for treatment (Ecology 2023).

The licensed applicators would be required to wear appropriate Personal Protective Equipment (PPE) including protective eyewear, waterproof gloves, long-sleeved shirts and long pants, shoes plus socks, and a NIOSH-approved respirator based on the specific pesticide(s) application requirements (EPA 2022).

b. Noise

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

In general, the dominant source of noise in the airport vicinity is generated by aircraft.

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.**

Noise would be generated by vehicle use to access the retention ponds for treatment.

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

None. No noise impacts are anticipated for implementation of the program.

8. Land and shoreline use

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.

The retention ponds are currently used for stormwater retention at SEA. The program will not affect current land uses on nearby or adjacent properties.

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?

The Project site is already developed and no working farmland or working forest land will be converted.

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:

There are no surrounding working farms or forestlands near the Project site.

c. Describe any structures on the site.

The program will occur in SEA stormwater retention ponds.

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

No structures will be demolished.

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

The current zoning classification of SEA is designated by the City of SeaTac as Aviation Operations (AVO). The land use designation will not change as a result of the program, and there is no expected impact to nearby or adjacent land uses and properties.

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

The current comprehensive plan designation of the site by the City of SeaTac is Airport, within "*Subdistrict 4: Port of Seattle Properties*" of the Angle Lake Station Area Boundary.

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

SEA is not within a designated shoreline area.

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

The NEPL Pond, SDS4 Pond, Logistics Pond, and BMP-D6a-3 are located within Wellhead Protection Areas (WHPAs).

i. Approximately how many people would reside or work in the completed project?

One seasonal maintenance job would be created by the program.

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

The program will not displace any people.

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

There will be no displacement impacts as a result of the program; therefore, no measures are proposed.

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

No measures are proposed because there will be no changes to existing or projected land use as a result of the program.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

There are no nearby agricultural or forestlands; therefore, no measures are proposed.

9. Housing

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

The program does not include the construction of any housing.

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

The program does not include the elimination of any housing.

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

There will be no housing impacts as a result of the program; therefore, no measures to reduce or control housing impacts are proposed.

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?

No new structures are proposed.

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

The program will not alter or obstruct any views in the vicinity.

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

No measures are proposed because no aesthetic impacts are expected from the program.

11. Light and glare

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

The program will not introduce new sources of light or glare.

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

The program will not introduce new sources of light or glare.

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

There are no existing off-site sources of light or glare that may affect the program.

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

No measures are proposed because no light or glare impacts are anticipated.

12. Recreation

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

There are no designated or informal recreational opportunities in the immediate vicinity of the program.

b. Would the proposed project displace any existing recreational uses? If so, describe.

The program will not displace any existing recreational uses.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

No impacts to recreation, including recreation opportunities, are anticipated.

13. Historic and cultural preservation

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.

There are no buildings, structures, or sites located on the site that are over 45 years old and eligible for preservation registers.

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.

The program area was part of an analysis of archaeological potential that concluded that there is low potential for precontact or historic archaeological materials (Iverson et al. 2005). The Project site has been heavily modified and filled, and the limited excavation for the Project will occur within the footprint of existing infrastructure. No structures older than 45 years will be modified or demolished. Therefore, no impacts to cultural resources are expected.

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.

Sources consulted included previous research, historic and modern maps and photographs, and geotechnical information.

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.

No impacts are expected, and no mitigation is proposed.

14. Transportation

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.

The major arterials serving SEA include SR 518, SR 509, Des Moines Memorial Drive, and South 188th Street. Access routes will also be on arterials including South 200th Street, South 188th Street, and 24th Avenue South.

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?

SEA is served by public transportation. The nearest public transportation site is located near North Airport Expressway (i.e., Sound Transit Link light rail and King County Metro) a quarter mile east of the Main Terminal adjacent to the SEA parking garage.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

No parking spaces will be added or eliminated.

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).

No, the program does not require any new or improvements to existing local roads, streets, or bicycle or state transportation facilities.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The program will not require the use 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 non-passenger vehicles). What data or transportation models were used to make these estimates?

There will be no additional vehicular trips generated as a result of the completed program.

Implementation of the program will be completed in conjunction with other observation and/or maintenance activities at SEA so is not expected to result in an additional vehicles trip. Given the limited frequency and seasonality of the program, no change to the average vehicle trips per day in and around SEA are anticipated.

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.

The Project will not interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area.

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

No transportation impacts are expected as a result of the Project, so no measures are proposed.

15. Public services

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.

No. The program would not result in an increased need for public services

b. Proposed measures to reduce or control direct impacts on public services, if any.

None: There are no anticipated impacts on public services.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other: stormwater, industrial water system, communication.

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.

No additional utilities are required for the program.

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: Steve Rybolt

Name of signee: Steven Rybolt

Position /Organization Senior Environmental Program Manager, Port of Seattle

Date Submitted: March 4, 2024

D. SUPPLEMENTAL SHEET FOR NON-PROJECT ACTIONS

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?**

   Coverage under the Ecology's Aquatic Mosquito Control General Permit will allow seasonal discharge of mosquito pesticides to the air and water during treatments of stormwater ponds at SEA. Implementation of the program will not increase the production, storage, or release of toxic or hazardous substances; or production of noise.

   - **Proposed measures to avoid or reduce such increases are:**

   Adherence to Ecology's Aquatic Mosquito Control General Permit and identified conditions and product label requirements will identify the allowable limit of pesticide(s) discharges.

   SEA would be required to follow the Environmental Protection Agency (EPA)'s approved Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Label, and any label requirements specific to use in Washington State. The FIFRA Label provides limits on the application of the pesticide product. For application of pesticides, SEA would follow Ecology's "Best Management Practices for Mosquito Control, May 2004 (publication number 03-1 0-023) or equivalent. In the unlikely event that SEA planned to use pesticides to manage mosquito populations, SEA would prepare an Integrated Pest Management (IPM) plan to address planning and controls around the discharge of pesticides (Ecology 2023).

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

   As described in Section B.4 and B.5 of this checklist, implementation of the program is unlikely to affect non-target plants, animals, fish, or marine life. BTI is very specific for mosquitoes and black flies.

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

   Adherence to Ecology's Aquatic Mosquito Control General Permit conditions, product label requirements, and use of BMPs are the controls that will be used to protect non-target plants and wildlife.

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

   The program will not deplete energy or natural resources.

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

   None. The program will not deplete energy or natural resources.

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?**

   The program will only occur within the 18 stormwater ponds on SEA property. The program will not 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:**

   None. The program is not anticipated to impact areas designated (or eligible or under study) for governmental protection.

5. **How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?**

The program will not affect land and shoreline use, or allow or encourage land or shoreline uses incompatible with existing plans.

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

None. No shoreline or land use impacts are anticipated.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Implementation of the program is unlikely to cause an increase in demands on transportation or public services.

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

None. No demands are anticipated.

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

The program will not conflict with local, state, or federal laws or requirements for the protection of the environment. The program would be implemented in compliance with FIFRA administered by EPA, the Washington Pesticide Control Act, and the Washington Pesticide Application Act.

REFERENCES

Aquabac (200G) 2015. Safety Data Sheet – AQUABAC (200 G). Available online at: https://cdn.commercev3.net/cdn.arbico-organics.com/downloads/1211150-1211155-1211175_Aquabac%20200G%20SDS_82817.pdf.

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Iverson, David, Leonard A. Forsman, Dennis E. Lewarch, and Lynn L. Larson, 2005. *Port of Seattle, Seattle-Tacoma International Airport Master Plan, Proposed third Runway Archaeological Resources and Traditional Cultural Places Assessment*. On file at the Department of Archaeology and Historic Preservation, Olympia, Washington.

Washington State Department of Ecology (Ecology) 2023. Aquatic Mosquito Control NPDES and State Waste Discharge General Permit SEPA Checklist. November 6. Available online at: https://fortress.wa.gov/ecy/ezshare/wq/permits/AMC_2024_SEPAChecklist.pdf.

Washington State Department of Health (WDOH) 2024. Mosquito Larvicide – Bti. Available online at: https://doh.wa.gov/community-and-environment/pests/mosquitoes/bti.

APPENDIX A

Greenhouse Gas Emissions Worksheet
Supplemental Information for SEPA Environmental Checklist

GHG Emission Sources (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6)[1]	**What sources are likely from the proposal?** ***List specific type of activities and duration of emissions***	**What is the quantitative or qualitative assessment of those emissions?**	**What available mitigation will avoid or reduce those emissions?**
On-Road Mobile Sources	Not applicable	Not applicable	
Non-Road Mobile Sources	Not applicable	Not applicable	
Stationary Combustion	Not applicable	Not applicable	
Industrial Processes	Not applicable	Not applicable	
Fugitive Emissions	Not applicable	There may be temporary fugitive emissions during application, but not of listed pollutants.	Emissions will be localized and are not anticipated to go beyond SEA property.
Agricultural Emissions	Not applicable	Not applicable	
Land Disturbance	Not applicable	Not applicable	
Purchased Electricity and Steam	Not applicable	Not applicable	
Construction	Not applicable	Not applicable	
Extraction of Purchased Materials	Not applicable	Not applicable	
Processing of Purchased Materials	Not applicable	Not applicable	
Transportation of Purchased Materials	Not applicable	Not applicable	

GHG Emission Sources (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6)[1]	**What sources are likely from the proposal?** ***List specific type of activities and duration of emissions***	**What is the quantitative or qualitative assessment of those emissions?**	**What available mitigation will avoid or reduce those emissions?**
New Facility Operations	Not applicable	Not applicable	
Other Mobile Emissions	Not applicable	Not applicable	
Water Use and Wastewater Disposal	Not applicable	Not applicable	
Waste Management	Not applicable	Not applicable	
Product Use – New Pavement	Not applicable	Not applicable	

**Calculated via City of Seattle Department of Planning and Development SEPA GHG Emissions Worksheet.*

CH_4	Methane	Landfills, production and distribution of natural gas and petroleum, fermentation from the digestive system of livestock, rice cultivation, fossil fuel combustion, etc.
N_2O	Nitrous Oxide	Fossil fuel combustion, fertilizers, nylon production, manure, etc.
HFCs	Hydrofluorocarbons	Refrigeration gases, aluminum smelting, semiconductor manufacturing, etc.
PFCs	Perfluorocarbons	Aluminum production, semiconductor industry, etc.
SF_6	Sulfur Hexafluoride	Electrical transmissions and distribution systems, circuit breakers, magnesium production, etc.