

# 2008 West Nile Virus (WNV) Action Plan

## Seattle-Tacoma International Airport

*This plan may be updated as new information is provided by King County Public Health.*

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Alert Level	Definition	Surveillance Response	Education Response	Control Response
0	<p><b>Winter (Off season)</b> No mosquito activity, approx Nov.-Mar. in King Co.</p>	<ul style="list-style-type: none"> <li>Evaluate surveillance findings and mosquito habitat to determine areas of focus for the upcoming season.</li> <li>Update action plan using previous year's results.</li> <li>Update data sheet for recording results from each sampling period.</li> <li>Update newly built detention pond locations in the mosquito dipping surveys.</li> <li>Map catch basins for treatment.</li> </ul>	<ul style="list-style-type: none"> <li>Prepare to update educational response to match current events and level of understanding.</li> <li>Reemphasize the need for communication using: <a href="mailto:pest@portseattle.org">pest@portseattle.org</a>.</li> <li>Review tenant contracts and to determine responsibilities of tenants vs. Port.</li> <li>Determine need for and if necessary post/maintain signs to notify public of WNV threat near Tub Lake, Tyee Golf Course and borrow areas.</li> <li>Work with adjacent cities to ensure plans are shared.</li> <li>Coordinate WNV response plans with City of Seatac.</li> </ul>	<ul style="list-style-type: none"> <li>Update control plans including capacity and criteria for responding in the event of a major WNV outbreak with respect to reducing mosquito populations of: <ul style="list-style-type: none"> <li>Larva (Larviciding)</li> <li>Adults (ULV Fogging)</li> </ul> </li> <li>Coordinate with pesticide applicator and/or the authorities to ensure NPDES permits remain current and recent BMPs can be effectively implemented in the coming season.</li> <li>Determine availability of larvicide stocks and other materials on hand to cover catch basins if we move to a higher alert level</li> <li>Work with AV/Maintenance to determine: <ul style="list-style-type: none"> <li>Level of participation for mosquito control activities.</li> <li>Who at the POS needs of a Public Pesticide Applicators License and CE credits.</li> <li>Seasonal schedule for larviciding/adulticiding and regulating water levels in stormwater vaults.</li> </ul> </li> </ul>

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<p style="text-align: center;"><b>1</b></p>	<p><b>Spring, summer &amp; fall</b> No positive surveillance findings in King Co. in the current calendar year (e.g., no WNV positive birds, mosquito pools, horses or humans)</p>	<ul style="list-style-type: none"> <li>• Monitor identified surveillance locations through dip sampling of:               <ul style="list-style-type: none"> <li>○ Stormwater ponds</li> <li>○ Lakes on POS property</li> <li>○ Des Moines Creek RDF</li> <li>○ Representative catch basins</li> </ul> </li> <li>• Maintain contact with Public Health to determine when mosquito larvae and dead birds should be submitted for testing.</li> <li>• Determine next year's surveillance needs and include in POS budget request.</li> </ul>	<ul style="list-style-type: none"> <li>• Communicate to employees/tenants/contactors that WNV is an ongoing issue via:               <ul style="list-style-type: none"> <li>○ Website updates</li> <li>○ This action plan</li> <li>○ Presentations</li> <li>○ Emails/Letters</li> </ul> </li> <li>• Encourage dead bird reporting by employees, tenants, contractors and the public.</li> <li>• Determine next year's education needs and include in POS budget request.</li> </ul>	<ul style="list-style-type: none"> <li>• Apply larvicide (Bs and possibly Bti) to storm water detention ponds when larval counts exceed 0.3 larvae per dip (at least 1 larva in 3 dips) in predetermined risk areas.</li> <li>• Source reduction-eliminate standing water whenever possible (POS employees, tenants and contractors, especially AV Maintenance).</li> <li>• During routine maintenance activities, clean obstructions from outflows at all water detention facilities.</li> <li>• In July, apply larvicide (Bs and possibly Bti) to street drains/catch basins.</li> <li>• Determine next year's mosquito control needs and include in POS budget request.</li> </ul>

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<p style="text-align: center;"><b>2/3</b></p> <p>(Will follow the expert opinion of WDOH and King County Dept of Health)</p>	<p><b>Spring, summer or fall</b> King County or surrounding counties have confirmed WNV activity in wild birds, mosquito pools, horses or humans</p>	<p>Everything in Alert level 1, plus:</p> <ul style="list-style-type: none"> <li>• Conduct intensified surveillance in areas of positive findings and work closely with Public Health to identify changes in response.</li> <li>• Work with Public Health to determine need and benefit to the county in mosquito trapping at SEA.</li> </ul>	<p>Everything in Alert level 1, plus:</p> <ul style="list-style-type: none"> <li>• Intensify efforts to encourage and coordinate appropriate control responses with tenants through employee meetings, web site updates, and tenant letters.</li> <li>• Provide additional information on personal protection and mosquito repellants.</li> <li>• Work with Public Affairs so that information can be disseminated if adult mosquito spraying is undertaken.</li> <li>• Install signs ready for deployment in POS public areas (Av/Maintenance and adjacent cities)</li> </ul>	<p>Everything in Alert level 1, plus:</p> <ul style="list-style-type: none"> <li>• Intensify mosquito habitat/ source reduction and larval control at detention facilities, water features, and drainage systems.</li> <li>• Review plans with Public Health, to determine where/when adulticiding is needed.</li> <li>• Review criteria and be prepared to respond if Public Health determines specified areas of high human risk and the need for limited, targeted adult mosquito spraying (i.e., spraying prior to a festival or other outdoor event).</li> </ul>
<p style="text-align: center;"><b>4</b></p>	<p><b>Spring, summer or fall</b> Surveillance indicates high risk of multiple human infections, an escalating epizootic in horses and/or birds, abundant adult vectors and/or conditions favoring continued transmission to humans. A Public Health Emergency may be declared.</p>	<p>Everything in Alert level 3, plus:</p> <ul style="list-style-type: none"> <li>• Continue with surveillance activities described in lower alert levels, with emphasis on determining areas with significant populations of adult mosquitoes of vector species.</li> </ul>	<p>Everything in Alert level 3, plus:</p> <ul style="list-style-type: none"> <li>• Intensify efforts described in lower alert levels</li> <li>• Encourage Leaders to speak about WNV.</li> <li>• Enhance risk communications to public, employees, and tenants about mosquito spraying.</li> </ul>	<p>Everything in Alert level 3, plus:</p> <ul style="list-style-type: none"> <li>• Conduct wide-spread adult mosquito spraying with direction and technical support from Public Health</li> <li>• In conjunction with state agencies or Public Health, monitor effectiveness of spraying on target mosquito populations when adult spraying is done.</li> </ul>