

Please see the following references regarding selection and use of pesticides in CCMVCD's program.

- a. California Mosquito-Borne Virus Surveillance & Response Plan. 2021. California Department of Public Health, Vector-Borne Disease Section  
[https://westnile.ca.gov/download.php?download\\_id=4602](https://westnile.ca.gov/download.php?download_id=4602)
- b. Operational Plan for Emergency Response to Mosquito-Borne Disease Outbreaks. 2013. California Department of Public Health, Vector-Borne Disease Section  
[https://westnile.ca.gov/download.php?download\\_id=2737](https://westnile.ca.gov/download.php?download_id=2737)
- c. Best Management Practices for Mosquito Control in California. 2012. California Department of Public Health, Vector-Borne Disease Section  
[https://westnile.ca.gov/download.php?download\\_id=2376](https://westnile.ca.gov/download.php?download_id=2376)
- d. Overview of Mosquito Control Practices in California. 2008. California Department of Public Health, Vector-Borne Disease Section [https://westnile.ca.gov/download.php?download\\_id=1398](https://westnile.ca.gov/download.php?download_id=1398)
- e. Epidemic/Epizootic West Nile Virus in the United States: Guidelines for Surveillance, Prevention and Control. 2003. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention <http://www.cdc.gov/ncidod/dvbid/westnile/>
- f. Contra Costa Mosquito & Vector Control District Mosquito-Borne Virus Surveillance & Response Plan. 2006. [http://contracostamosquito.com/npdes\\_docs.htm](http://contracostamosquito.com/npdes_docs.htm)
- g. Pesticides and Public Health: Integrated Methods of Mosquito Management. 2001. U.S. Environmental Protection Agency <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2631680/>

## II. PERMIT COVERAGE AND APPLICATION REQUIREMENTS

### A. Coverage

The Order covers the point source discharge of biological and residual pesticides resulting from direct and spray applications for vector control using: 1) larvicides containing monomolecular films, methoprene, *Bacillus thuringiensis subspecies israelensis* (or *Bti*), *Bacillus sphaericus* (or *B. sphaericus*), temephos, petroleum distillates, or spinosad; and 2) adulticides containing malathion, naled, pyrethrin, deltamethrin, etofenprox, lambda-cyhalothrin, permethrin, prallethrin, resmethrin, sumithrin, piperonyl butoxide (PBO), or N-octyl bicycloheptene dicarboximide (or MGK-264).

The Order also covers the point source discharge of residual pesticides from the application of minimum risk pesticides which are pesticides that U.S. EPA has exempted from FIFRA requirements when used only in the manner specified in 40 C.F.R. section 152.25. Products containing active ingredients listed in 40 C.F.R. section 152.25(f) are exempt from the requirements of FIFRA, alone or in combination with other substances, provided that all of the criteria of 40 C.F.R. section 152.25 are met. A pesticide product exempt under 40 C.F.R. section 152.25(f) may include only inert ingredients listed in the most current list of inert ingredients approved for use in minimum risk pesticide products at U.S. EPA's website:<http://www2.epa.gov/minimum-risk-pesticides/inert-ingredients-approved-use-minimum-risk-pesticide-products>.

Dischargers may use larvicides and adulticides that are currently registered by DPR and new larvicides and adulticides that will be registered by DPR using the same active ingredients listed above for vector control applications. In addition, Dischargers may use minimum risk pesticide products for vector control applications.

Users of products containing these active ingredients and inert ingredients for the minimum risk pesticide products are required to obtain coverage under the Order prior to application to waters of the U.S. The Order covers the discharge of residuals from: (1) larvicides and adulticides that are currently registered in California; and (2) minimum risk pesticide products.

**ATTACHMENT A – ACTIVE INGREDIENTS FOR IMMATURE MOSQUITO CONTROL**

<b><i>Bacillus thuringiensis subsp. israelensis (Bti)</i></b>
<b><i>Bacillus sphaericus (Bs)</i></b>
<b>Methoprene</b>
<b>Monomolecular films</b>
<b>Petroleum distillates</b>
<b>Spinosad</b>
<b>Temephos</b>

**ATTACHMENT B – ACTIVE INGREDIENTS FOR ADULT MOSQUITO CONTROL**

<b>Deltamethrin</b>
<b>Etofenprox</b>
<b>Lambda-cyhalothrin</b>
<b>Malathion</b>
<b>Naled</b>
<b>N-octyl bicycloheptene dicarboximide (MGK-264)</b>
<b>Piperonyl butoxide (PBO)</b>
<b>Permethrin</b>
<b>Prallethrin</b>
<b>Pyrethrins</b>
<b>Resmethrin</b>
<b>Sumithrin</b>

cc: Contra Costa County  
City of Antioch  
City of Brentwood  
Town of Clayton  
City of Concord  
Town of Danville  
City of El Cerrito  
City of Hercules  
City of Lafayette  
City of Martinez  
Town of Moraga  
City of Oakley  
City of Orinda  
City of Pinole  
City of Pittsburg  
City of Pleasant Hill  
City of Richmond  
City of San Pablo  
City of San Ramon  
City of Walnut Creek