

State Water Resources Control Board

July 1, 2016

Larry Shaw
Orange County Mosquito and Vector Control District
P.O. Box 87
Santa Ana CA, 92702-0087

NOTICE OF APPLICABILITY FOR STATEWIDE VECTOR CONTROL PERMIT; ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT;

Dear Larry Shaw:

Thank you for submitting your complete application package for coverage under the Statewide Vector Control Permit¹. Effective July 1, 2016, the Vector Control Permit regulates discharges of biological and residual chemical pesticides resulting from pesticide applications using the following active ingredients:

Larvicides

- Bacillus Sphaericus
- Bacillus Thuringiensis Subspecies Israelensis
- Methoprene
- Monomolecular Films
- Petroleum Distillates
- Spinosad
- Temephos

Adulticides

- Deltamethrin
- Etofenprox
- Lambda-Cyhalothrin
- Malathion
- N-octyl Bicycloheptene
- Dicarboximide (MGK-264)
- Naled
- Permethrin
- Piperonyl Butoxide
- Prallethrin
- Pyrethrin
- Resmethrin
- Sumithrin

In addition to the active ingredient list above, the Vector Control Permit regulates point source discharges of biological and residual pesticides from the application of minimum risk pesticides². Users of products containing these ingredients or minimum risk pesticides are required to obtain

¹ Statewide National Pollutant Discharge Elimination System (NPDES) Permit for Biological and Residual Pesticide Dischargers to Waters of the United States from Vector Control Applications; State Water Board Order 2016-0039-DWQ adopted March 1, 2016 ;

² Minimum risk pesticides are pesticides that the United States Environmental Protection Agency has exempted from the Federal Insecticide, Fungicide, and Rodenticide Act requirements when used in a manner specified in section 152.25 of Title 40, Code of Federal Regulations.

coverage under the Vector Control Permit prior to application at, near, or over waters of the United States.

Notice of Applicability

Based on the information submitted in the application package, including the Notice of Intent and the Pesticide Application Plan dated May 02, 2016, the discharge as described below satisfies the conditions of the Vector Control Permit. Staff has deemed the application package complete and has assigned an enrollee number of 8 303464001. This Notice of Applicability implements regulatory coverage under the Vector Control Permit for the application described below, effective as of the date of this letter.

Discharge Description

The Orange County Vector Control District is a public health agency charged with protecting the citizens of Orange County from vectors and vector-borne disease under Division 3 of the California Health and Safety Code (CAL. HSC. § 2000-2910). The Orange County Vector Control District is an Independent Special District that carries out its mission with a balanced approach focused on protecting public health and the environment. The Orange County Vector Control District's operations are based out of the city of Garden Grove, California, and service all 789 square miles of Orange County, home to more than three million residents. Service is provided to all 34 cities within Orange County as well as unincorporated areas, federal and state lands. The Orange County Vector Control District operates year-round to control mosquitoes, other flies, red imported fire ants, and rats.

The Orange County Vector Control District utilizes an Integrated Vector Management Program strategy to control the production of mosquitoes, filth flies and black flies, red imported fire ants, and rats. The Integrated Vector Management Program consists of the following activities: (1) Surveillance for vectors, vector habitats, and associated pathogens/diseases-this includes field and laboratory analysis of vectors in order to evaluate populations and emerging disease threats; (2) Source reduction to limit breeding by vectors; this includes management of vegetation, land, and water with appropriate landowners to minimize vector production; (3) Education and outreach efforts targeted toward the public and private landowners in ways to facilitate source reduction and minimize disease-carrying vectors; (4) Distribution of mosquito fish (*Gambusia affinis*), a biological control measure used to reduce mosquito production isolated aquatic features, such as neglected residential swimming pools; and (5) Application of pesticides to minimize vector populations and reduce the threat of potential vector-borne disease transmission to humans.

General Permit Requirements

To comply with the Vector Control Permit, the Orange County Mosquito and Vector Control District shall:

- a. Provide a copy of the Notice of Intent, the Pesticide Application Plan, and all other related materials to the aquatic pesticide applicators.
- b. Ensure that all entities receiving regulatory coverage under this Notice of Applicability understand the terms and conditions of the permit.
- c. Take all necessary steps to minimize or prevent pesticide spills, biological pesticide and chemical pesticide residue polluted water, and other pollutants from entering waters of the United States (in violation of permit requirements).
- d. Review and update the effectiveness and adequacy of the control measures and best management practices (BMPs). Submit all changes to: (1) the BMPs proposed in the Notice of Intent, (2) the Pesticide Application Plan, or other provided information, to the State Water Board for review and comment.

- e. Submit all information required in this Notice of Applicability and Vector Control Permit to the following address:

State Water Resources Control Board
Division of Water Quality
Attention: Gil Vazquez
1001 I Street, 15th Floor
Sacramento, CA 95814

Discharge Monitoring and Reporting Requirements

To comply with the monitoring and reporting requirements of the Vector Control Permit, the Orange County Mosquito and Vector Control District shall:

- a. Timely inspect receiving waters, control measures, and BMPs to detect any conditions which may cause violations of the receiving water limitations and other requirements in the Vector Control Permit.
- b. Conduct monitoring and reporting in compliance with the provisions and requirements in Monitoring and Reporting Program (Attachment C) of the Vector Control Permit.
- c. Submit annual monitoring reports by March 1 of each year.
- d. Include the following certification in all monitoring reports:

"I certify under penalty of law that this document and all enclosures were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

If you have any questions regarding this Notice of Applicability or the Vector Control Permit, please contact Mr. Gil Vazquez in the NPDES Wastewater Unit of the Division of Water Quality at (916) 322-1400 or Gil.Vazquez@waterboards.ca.gov.

Sincerely,



Karen Larsen, Deputy Director
Division of Water Quality

cc: Pascal Mues
NPDES Permits Office
U.S. EPA Region 9, WTR-5
75 Hawthorne Street
San Francisco, CA 94105

Samuel Unger
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