ATTACHMENT G – NOTICE OF INTENT

WATER QUALITY ORDER NO. 2011-XXXX-DWQ
GENERAL PERMIT NO. CAG 990004

STATEWIDE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FOR BIOLOGICAL AND RESIDUAL PESTICIDE DISCHARGES TO WATERS OF THE UNITED STATES FROM VECTOR CONTROL APPLICATIONS

I. NOTICE OF INTENT STATUS (see Instructions)

Mark only one item: ■ A. New Applicator ☐ B. Change of Information: WDID# _____

☐ C. Change of ownership or responsibility: WDID# _____

II. DISCHARGER INFORMATION

A. Name County of San Diego (Department of Environmental Health - Vector Control Program)			
B. Mailing Address 5570 Overland Avenue, Suite 102			
C. City San Diego	D. County San Diego	E. State CA	F. Zip 92123
G. Contact Person Rebecca Lafreniere	H. Email address Rebecca.Lafreniere@sdcounty.ca.gov	I. Title Chief	J. Phone (858) 694-2888

III. BILLING ADDRESS (Enter Information *only* if different from Section II above)

A. Name			
B. Mailing Address			
C. City	D. County	E. State	F. Zip
G. Email address	H. Title	I. Phone	

IV. RECEIVING WATER INFORMATION

A. Biological and residual pesticide discharge to (check all that apply)*:

1. ■ Canals, ditches, or other constructed conveyance facilities owned and controlled by Discharger.
   Name of the conveyance system: County owned conveyances and in unincorporated areas
2. ■ Canals, ditches, or other constructed conveyance facilities owned and controlled by an entity other than the Discharger.
   Owner's name: Unincorporated areas in San Diego County and CalTrans.
   Name of the conveyance system: many – see attached
3. ■ Directly to river, lake, creek, stream, bay, ocean, etc.
   Name of water body: Whitewater Watershed, Clark Watershed, West Salton Watershed, Anza-Borrego Watershed (San Felipe Creek), and Imperial Watershed. Please see attached map.
   * A map showing the affected areas for items 1 to 3 above may be included.

B. Regional Water Quality Control Board(s) where application areas are located (REGION 1, 2, 3, 4, 5, 6, 7, 8, or 9): Region 7 & 9
(List all regions where pesticide application is proposed.)

A map showing the locations of A1-A3 in each Regional Water Board shall be included.

V. PESTICIDE APPLICATION INFORMATION

A. Target Organisms: _X_ Vector Larvae _X_ Adult Vector

B. Pesticides Used: List Name, active ingredients and, if known, degradation by-products
Altosid Briquets, Pellets, XR Extended Residual Briquets and XR-G (methoprene)
Aquabac 200G (*Bacillus thuringensis* subspecies *israelensis*)
Mosquito Dunks (*Bacillus thuringensis* subspecies *israelensis*)
Mosquito Larvicide GB-1111 (mineral oil)
Pyrenone 25-5 Public Health Insecticide (pyrethrins, piperonyl butoxide)
Pyrocide Mosquito Adulticiding Concentrate for ULV Fogging 7396 (pyrethrins, piperonyl butoxide)
Scourge Insecticide (resmethrin/piperonyl butoxide 4%+12% MF Formula II)
VectoLex CG, WDG and WSP Biological Larvicide (*Bacillus sphaericus*)
VectoMax G and WSP Biological Larvicide (*Bacillus thuringensis* subspecies *israelensis & Bacillus sphaericus*)

C. Period of Application: Start Date - January 1 End Date - December 31

D. Types of Adjuvants Added by the Discharger:
none

VI. PESTICIDES APPLICATION PLAN

A. Has a Pesticides Application Plan been prepared?*

■ Yes ☐ No

If not, when will it be prepared? _____

* A copy of the PAP shall be included with the NOI.

B. Is the applicator familiar with its contents?

■ Yes ☐ No

VII. NOTIFICATION

Have potentially affected public and governmental agencies been notified?* ■ Yes ☐ No

* If yes, a copy of the notifications shall be attached to the NOI.

VIII. FEE

Have you included payment of the filing fee (for first-time enrollees only) with this submittal?

■ YES ☐ NO ☐ NA

IX. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and 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 or imprisonment. Additionally, I certify that the provisions of the General Permit, including developing and implementing a monitoring program, will be complied with."

A. **Printed Name:** Jack Miller

B. **Signature:** _____ **Date:** March 18, 2011

C. **Title:** Director

X. FOR REGIONAL WATER BOARD USE ONLY

WDID:	**Date NOI Received:**	**Date NOI Processed:**
Case Handler's Initial:	**Fee Amount Received*:** $	**Check #:**

RECEIVED
MAR 2 1 2011
DIVISION OF WATER QUALITY

ATTACHMENT G – NOTICE OF INTENT

WATER QUALITY ORDER NO. 2011-XXXX-DWQ
GENERAL PERMIT NO. CAG 990004

STATEWIDE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FOR BIOLOGICAL AND RESIDUAL PESTICIDE DISCHARGES TO WATERS OF THE UNITED STATES FROM VECTOR CONTROL APPLICATIONS

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B. Mailing Address 5570 Overland Avenue, Suite 102			
C. City San Diego	D. County San Diego	E. State CA	F. Zip 92123
G. Contact Person Rebecca Lafreniere	H. Email address Rebecca.Lafreniere@sdcounty.ca.gov	I. Title Chief	J. Phone (858) 694-2888

III. BILLING ADDRESS (Enter Information *only* if different from Section II above)

A. Name			
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C. City	D. County	E. State	F. Zip
G. Email address	H. Title	I. Phone	

IV. RECEIVING WATER INFORMATION

A. Biological and residual pesticide discharge to (check all that apply)*:

1. ■ Canals, ditches, or other constructed conveyance facilities owned and controlled by Discharger.
   Name of the conveyance system: County owned conveyances and in unincorporated areas
2. ■ Canals, ditches, or other constructed conveyance facilities owned and controlled by an entity other than the Discharger.
   Owner's name: City of Carlsbad, City of Chula Vista, City of Coronado, City of Del Mar, City of El Cajon, City of Encinitas, City of Escondido, City of Imperial Beach, City of La Mesa, City of Lemon Grove, City of National City, City of Oceanside, City of Poway, City of San Diego, City of San Marcos, City of Santee, City of Solana Beach, City of Vista, unincorporated areas in San Diego County, and CalTrans.
   Name of the conveyance system: many – see attached
3. ■ Directly to river, lake, creek, stream, bay, ocean, etc.
   Name of water body: San Juan Watershed (San Mateo Creek, San Onofre Creek, Las Flores Creek), Santa Margarita Watershed (Santa Margarita River, Temecula Creek, Murrieta Creek, Santa Margarita Lagoon, Vail Lake, Skinner Reservoir, and Diamond Valley Lake Reservoir), San Luis Rey River Watershed (San Luis Rey River and Lake Henshaw), Carlsbad Watershed (Loma Alta Creek, Buena Vista Creek, Buena Vista Lagoon, Agua Hedionda Creek, Agua Hedionda Lagoon, San Marcos Creek, Batiquitos Lagoon, Escondido Creek, San Elijo Lagoon, and Lake Wolhford), San Dieguito Watershed (San Dieguito River, San Dieguito Lagoon, and Lake Hodges), Peñasquitos Watershed (Los Peñasquitos Creek, Los Peñasquitos Lagoon, Rose Creek, Tecolote Creek, Mission Bay, Miramar Reservoir), San Diego River Watershed (San Diego River, El Capitan Reservoir, San Vincente Reservoir, Lake Murray, Boulder Creek, Santee Lakes), Pueblo Watershed (Chollas Creek, Paleta Creek, and San Diego Bay), Sweetwater Watershed (Sweetwater River, Sweetwater Reservoir, Loveland Reservoir, and San Diego Bay), Otay Watershed (Upper and Lower Otay Reservoirs, Otay River, San Diego Bay), and Tijuana Watershed (Tijuana Estuary, Tijuana River, Cottonwood Creek, Pine Valley, Campo Creek, Barrett Lake, Lake Moreno). Please see attached map.

* A map showing the affected areas for items 1 to 3 above may be included.

B. Regional Water Quality Control Board(s) where application areas are located (REGION 1, 2, 3, 4, 5, 6, 7, 8, or 9): Region 7 & 9
(List all regions where pesticide application is proposed.)

A map showing the locations of A1-A3 in each Regional Water Board shall be included.

V. PESTICIDE APPLICATION INFORMATION

A. Target Organisms: _X_ Vector Larvae _X_ Adult Vector

B. Pesticides Used: List Name, active ingredients and, if known, degradation by-products
Altosid Briquets, Pellets, XR Extended Residual Briquets and XR-G (methoprene)
Aquabac 200G (*Bacillus thuringensis* subspecies *israelensis*)
Mosquito Dunks (*Bacillus thuringensis* subspecies *israelensis*)
Mosquito Larvicide GB-1111 (mineral oil)
Pyrenone 25-5 Public Health Insecticide (pyrethrins, piperonyl butoxide)
Pyrocide Mosquito Adulticiding Concentrate for ULV Fogging 7396 (pyrethrins, piperonyl butoxide)
Scourge Insecticide (resmethrin/piperonyl butoxide 4%+12% MF Formula II)
VectoLex CG, WDG and WSP Biological Larvicide (*Bacillus sphaericus*)
VectoMax G and WSP Biological Larvicide (*Bacillus thuringensis* subspecies *israelensis & Bacillus sphaericus*)

C. Period of Application: Start Date - January 1 End Date - December 31

D. Types of Adjuvants Added by the Discharger:
none

VI. PESTICIDES APPLICATION PLAN

A. Has a Pesticides Application Plan been prepared?*

■ Yes ☐ No

If not, when will it be prepared? _____

* A copy of the PAP shall be included with the NOI.

B. Is the applicator familiar with its contents?

■ Yes ☐ No

VII. NOTIFICATION

Have potentially affected public and governmental agencies been notified?* ■ Yes ☐ No

* If yes, a copy of the notifications shall be attached to the NOI.

VIII. FEE

Have you included payment of the filing fee (for first-time enrollees only) with this submittal?

■ YES ☐ NO ☐ NA

IX. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and 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 or imprisonment. Additionally, I certify that the provisions of the General Permit, including developing and implementing a monitoring program, will be complied with."

A. Printed Name: Jack Miller

B. Signature: _____ **Date:** March 18, 2011

C. Title: Director

X. FOR REGIONAL WATER BOARD USE ONLY

WDID:	**Date NOI Received:**	**Date NOI Processed:**
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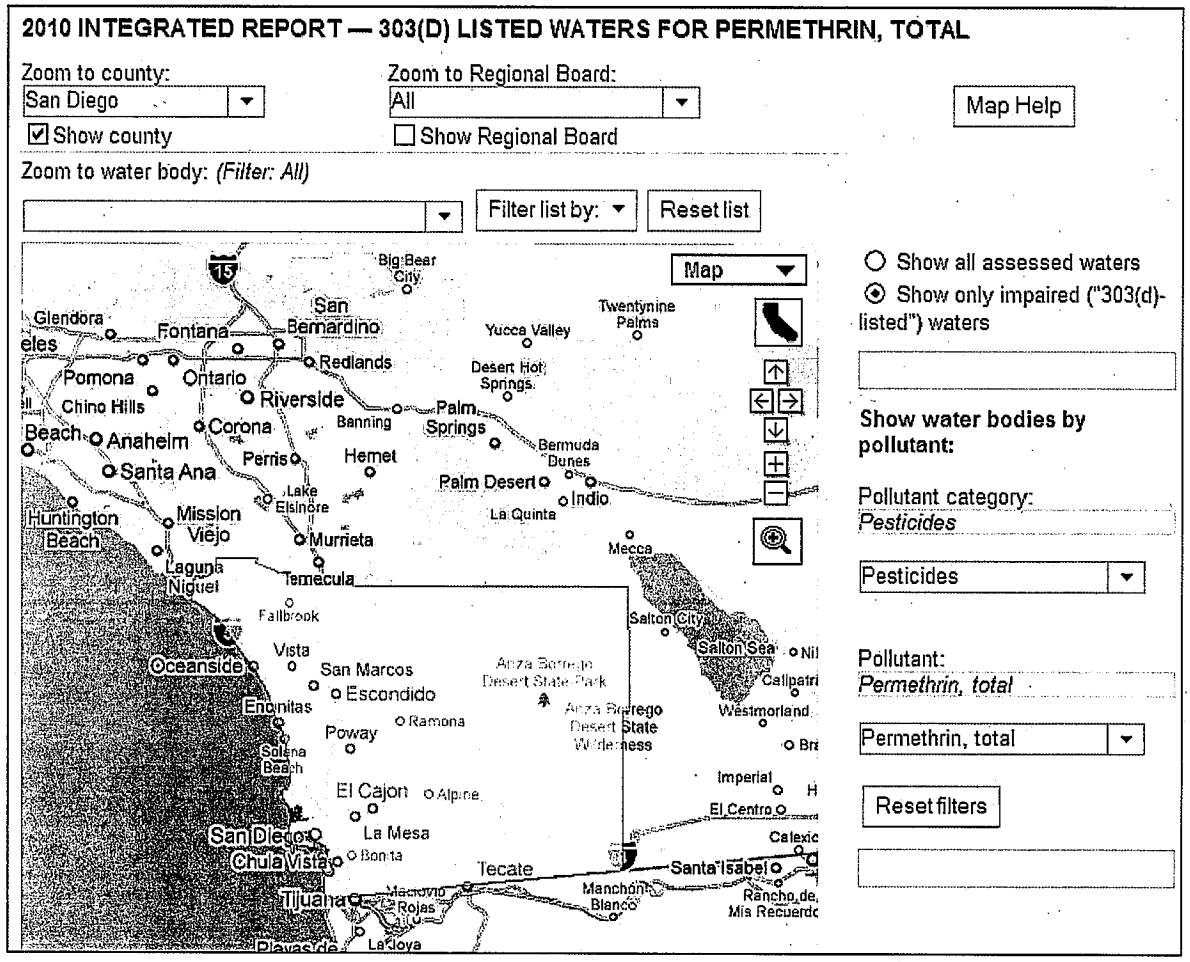
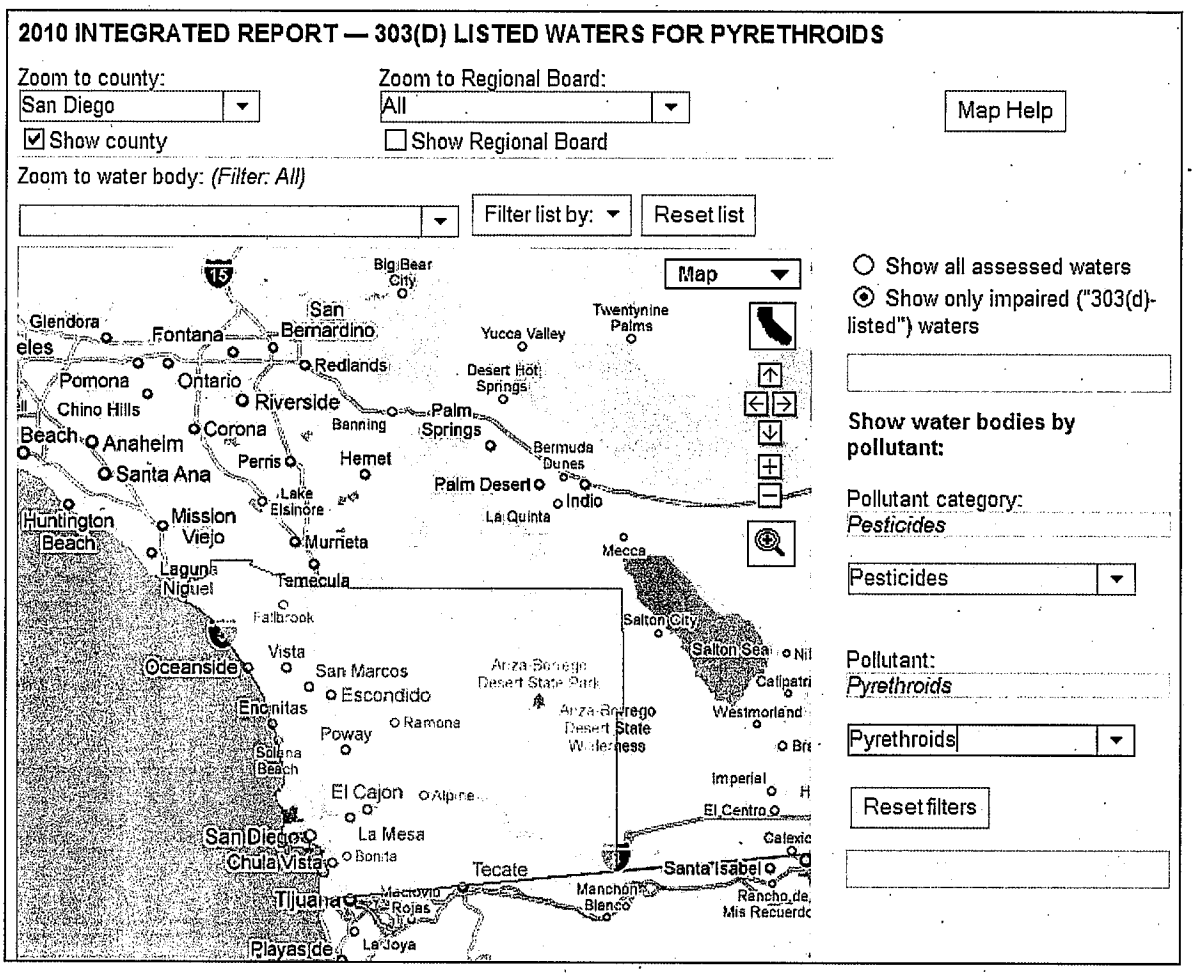
County of San Diego
Department of Environmental Health
Vector Control Program
Pesticides Application Plan (PAP)

a. Description of the target area and adjacent areas, if different from the water body of the target area;

San Diego County is bounded by the US-Mexico International border on the south, by Imperial County on the east, by Orange County and Riverside County to the north, and by the Pacific Ocean on the west. Please see attached map for identified water bodies.

According to the State Water Resources Control Board, there are no 303(d) listed water bodies in San Diego County impaired for the pesticides that the San Diego County, Department of Environmental Health - Vector Control Program (VCP) applies. The following images show search results with no waters identified as impaired for resmithrin (Scourge) and pyrethrin (Pyrenone, Pyrocide) use. There were no search options available for the following aquatic pesticides that are currently in use, listed by active ingredient: *Bacillus thuringensis israelensis* (AquaBac, VectoMax), *Bacillus sphaericus* (VectoLex, VectoMax), methoprene (Altosid), and mineral oil (Mosquito Larvicide GB-111).





b. Discussion of the factors influencing the decision to select pesticide applications for mosquito control;

Please see the Best Management Practices for Mosquito Control in California

c. Type(s) of pesticides used, the method in which they are applied, and if applicable, the adjuvants and surfactants used;

Please see the Best Management Practices for Mosquito Control in California

d. Description of the types and locations of the anticipated application area* and the target area to be treated by the Discharger, recognizing that, with vector control, the precise locations may not be known until after surveillance;

Any site that holds water for more than 96 hours (4 days) can produce mosquitoes. Source reduction is the VCP's preferred solution, and whenever possible the VCP works with property owners to effect long-term solutions to reduce or eliminate the need for continued applications as described in Best Management Practices for

Mosquito Control in California. The typical sources treated by the VCP include: creeks, channels (lined and unlined), ponds, basins/sumps, BMPs, marshes (salt and fresh), drains, lagoons, lakes, pools, rivers, estuaries, canyons, and others.

e. Other control methods used (alternatives) and their limitations;

With any mosquito or other vector source, the VCP's first goal is to look for ways to eliminate the source, or, if that is not possible, for ways to reduce the vector potential. The most commonly used methods and their limitations are included in the Best Management Practices for Mosquito Control in California. Specific alternative control measures used by the VCP include:

- stocking mosquito fish (*Gambusia affinis*) at distribution centers throughout the county for businesses and the public use, free of charge
- utilizing mosquito fish in green pools and ornamental water features
- creating and funding a Vector Habitat Remediation Program to empower communities to ameliorate chronic mosquito breeding sites
- environmental modifications to drain standing water sources
- extensive public education outreach for preventing vector borne diseases that includes presentations, participation in public health fairs, a text message campaign, public service announcements, videos, web-based content, and school curricula

f. Approximately how much product is anticipated to be used and how this amount was determined

The following is a summary of the pesticides that the VCP applied in 2010.

Summary of Pesticide Applications for 2010

Product Name	Manufacturer Name	EPA Reg #	Amount	Units
Altosid Pellets	Zoecon Corp.	2724-448	1123.7	lb
Altosid XR Extended Residual Briquets	Zoecon Corp.	2724-421	32.4	lb
Altosid Briquets	Zoecon Corp.	2724-375	30.9	lb
Aquabac 200G	Beker Microbial Products	62637-3	16649.6	lb
Mosquito Larvicide GB-1111	Clarke Mosquito	8329-72	585.9	gal
Mosquito Dunks	Summit Chemical Corp	6218-47	82.3	oz
Vectolex CG	Valent BioScience Corp	73049-20	28443.1	lb
Vectolex WSP	Valent BioScience Corp	73049-20	24.5	lb
VectoMax	Valent BioScience Corp	73049-429	18175	lb

The VCP is in possession of the following pesticides, although they were not applied in 2010.

Product Name	Manufacturer Name	EPA Reg #
Altosid XR-G	Zoecon Corp.	2724-451
VectoLex WDG	Valent BioScience Corp	73049-57

In addition to these pesticides, the VCP is in possession of the following pesticides to be used in an emergency public health situation where adulticiding is necessary:

Product Name	Manufacturer Name	EPA Reg #
Pyrenone 25-5	Bayer Environmental Science	432-1050
Pyrocide	McLaughlin Gormley King Co.	1021-1596
Scourge 4/12	Bayer Environmental Science	432-716

g. **Representative monitoring locations* and the justification for selecting these monitoring locations**

Please see the MVCAC NPDES Coalition Monitoring Plan

h. **Evaluation of available BMPs to determine if there are feasible alternatives to the selected pesticide application project that could reduce potential water quality impacts; and**

Please see the Best Management Practices for Mosquito Control in California

i. **Description of the BMPs to be implemented**

The BMPs shall include, at the minimum:

a. **Measures to prevent pesticide spill**

VCP staff monitors application equipment on a daily basis to ensure it remains in proper working order. Spill mitigation devices are placed in all spray vehicles and pesticide storage areas to respond to spills. Employees are trained on spill prevention and response annually.

b. **Measures to ensure that only a minimum and consistent amount is used**

Spray equipment is calibrated each year and is a part of the MOU with CDPH.

c. **A plan to educate Coalition's or Discharger's staff and pesticide applicator on any potential adverse effects from the pesticide application**

Applicators are required to complete pesticide training yearly.

d. **Descriptions of specific BMPs for each spray mode, e.g. aerial spray, truck spray, hand spray, etc.; cease and desist order**

VCP will calibrate truck and hand larviciding equipment each year to meet application specifications. Supervisors review spray records daily to ensure appropriate amounts of material are being used. ULV equipment is calibrated for output and droplet size to meet label requirements. Aerial larviciding equipment is calibrated by the Contractor. Aerial adulticide equipment is calibrated regularly and droplet size will be monitored by the VCP to ensure droplets meet label requirements. Airplanes used in urban ULV applications and the primary airplane used for rural ULV spraying is equipped with advanced guidance and drift management equipment to ensure the best available technology is being used to place product in the intended spray area. If a secondary airplane is used in rural ULV applications it will be equipped with an advanced guidance system.

e. **Descriptions of specific BMPs for each type of environmental setting (agriculture, urban, and wetlands).**

Please see the Best Management Practices for Mosquito Control in California

2. The Discharger shall update the PAP periodically and submit the revised PAP to the State Water Board for approval if there are any changes to the original PAP.

D. Best Management Practices (BMPs)
The Discharger shall develop BMPs that contain the following elements:

The VCP's BMPs are described in the Best Management Practices for Mosquito Control in California and the California Mosquito-borne Virus Surveillance and Response Plan.

1. **Identify the Problem**
   Prior to first pesticide application covered under this General Permit that will result in a discharge of residual pesticides to waters of the US, and at least once each calendar year thereafter prior to the first pesticide application for that calendar year, the Discharger must do the following for each vector management area:
   a. **Establish densities for larval and adult vector populations to serve as action threshold(s) for implementing pest management strategies**

      Only those mosquito sources that VCP staff determine to represent imminent threats to public health or quality of life are treated. The presence of any mosquito may necessitate treatment, however higher thresholds may be applied depending on the VCP's resources, disease activity, or local needs. Treatment thresholds are based on a combination of one or more of the following criteria:
      - Mosquito species present
      - Mosquito stage of development
      - Pest, nuisance, or disease potential
      - Disease activity

- Mosquito abundance
- Flight range
- Proximity to populated areas
- Size of source
- Presence/absence of natural enemies or predators
- Presence of sensitive/endangered species or habitats.

b. Identify target vector species to develop species-specific pest management strategies based on developmental and behavioral considerations for each species;

Please see the Best Management Practices for Mosquito Control in California and the California Mosquito-borne Virus Surveillance and Response Plan.

c. Identify known breeding areas for source reduction, larval control program, and habitat management; and

Any site that holds water for more than 96 hours (4 days) can produce mosquitoes. Source reduction is the VCP's preferred solution, and whenever possible the VCP works with property owners to implement long-term solutions to reduce or eliminate the need for continued applications as described in Best Management Practices for Mosquito Control in California.

d. Analyze existing surveillance data to identify new or unidentified sources of vector problems as well as areas that have recurring vector problems.

This is included in the Best Management Practices for Mosquito Control in California and the California Mosquito-borne Virus Surveillance and Response Plan that the VCP uses. The VCP routinely collects adult mosquitoes using gravid and EVS traps as well as gathers selected dead bird species for testing. Aerial helicopter reconnaissance is employed to help identify new potential breeding sites. In addition, the VCP operates a Dead Bird Reporting Hotline and web reporting page for the public to identify bird mortalities that could suggest vector disease activity. Early detection strategies employ sentinel chicken flocks that are bled twice per month during mosquito season. Samples are submitted to the VCP-dedicated Vector Disease and Diagnostic Laboratory which tests them for mosquito-borne viruses such as WNV, SLE and WEE. Test results are used to focus mosquito control efforts and to minimize pesticide applications as part of a BMP plan.

2. Examine the Possibility of Alternatives to Treatments

Dischargers should continue to examine the possibility of alternatives to reduce the need for applying larvicides that contain temephos and for spraying adulticides. Such methods include:

a. Evaluating management and treatment options that may impact water quality, non-target organisms, vector resistance, feasibility, and cost effectiveness, such as:

- No action
- Source prevention
- Mechanical or physical source reduction methods
- Cultural methods
- Biological control agents
- Pesticides

b. Applying pesticides only when vectors are present at a level that will constitute a nuisance or threat to public health

c. Using the least intrusive method of pesticide application.

d. Public education efforts to reduce potential vector breeding habitat.

e. Applying a decision matrix concept to the choice of the most appropriate formulation.

This describes the VCP's existing Integrated Vector Management Program, as well as the practices described in the California Mosquito-borne Virus Surveillance and Response Plan and Best Management Practices for Mosquito Control in California that are used by this program.

3. Correct Use of Pesticides

Users of pesticides must ensure that all reasonable precautions are taken to minimize the impacts caused by pesticide applications. Reasonable precautions include using the properspraying techniques and equipment, taking account of weather conditions and the need to protect the environment.

a. All errors in application and spills are reported to the proper authority.

b. Staff training in the proper application of pesticides and handling of spills.

This is an existing practice of the VCP, and is required to comply with the Department of Pesticide Regulation's (DPR) requirements and the terms of our California Department of Public Health (CDPH) Cooperative Agreement. All pesticide applicators receive annual safety and spill training in addition to their regular continuing education.

E. Pesticide Application Log

The Discharger shall maintain a log for each pesticide application. The application log shall contain, at a minimum, the following information, when practical, for larvicide or adulticide applications:

1. Date of application;
2. Location of the application and target areas (e.g., address, crossroads, or map coordinates);
3. Name of applicator;
4. The names of the water bodies treated if known/ named(i.e., canal, creek, lake, etc.);
5. Application details, such as when the application started and stopped, pesticide application rate and concentration, water flow rate of the target area, surface water area, volume of water treated, pesticide(s) and adjuvants used by the Discharger, and volume or mass of each component discharged;

This is an existing practice of the VCP as required to comply with DPR regulations and our CDPH Cooperative Agreement requirements.

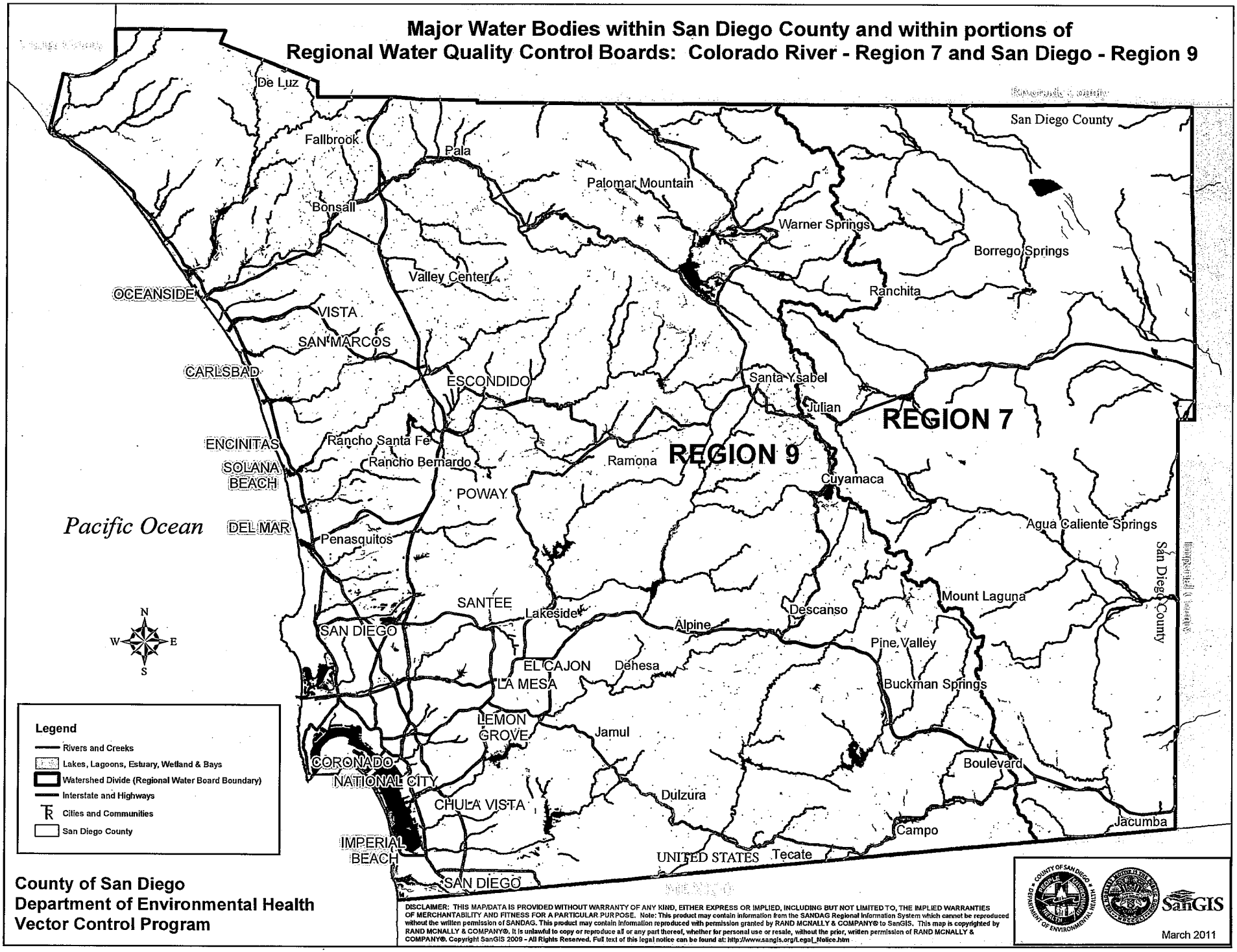
References:

Best Management Practices for Mosquito Control in California. 2010. Available by download from the California Department of Public Health—Vector-Borne Disease Section at http://www.cdph.ca.gov/HealthInfo/discond/Pages/MosquitoBorneDiseases.aspx or http://www.westnile.ca.gov/resources.php under the heading Mosquito Control and Repellent Information. Copies may be also requested by calling the California Department of Public Health—Vector-Borne Disease Section at (916) 552-9730 or the County of San Diego Vector Control Program at (858) 694-2888.

California Mosquito-borne Virus Surveillance and Response Plan. 2010. [Note: this document is updated annually by CDPH]. Available by download from the California Department of Public Health—Vector-Borne Disease Section at http://www.cdph.ca.gov/HealthInfo/discond/Pages/MosquitoBorneDiseases.aspx or http://www.westnile.ca.gov/resources.php under the heading Response Plans and Guidelines. Copies may be also requested by calling the California Department of Public Health—Vector-Borne Disease Section at (916) 552-9730 or the County of San Diego Vector Control Program at (858) 694-2888.

MVCAC NPDES Coalition Monitoring Plan. 2011.

Major Water Bodies within San Diego County and within portions of Regional Water Quality Control Boards: Colorado River - Region 7 and San Diego - Region 9



County of San Diego
Department of Environmental Health
Vector Control Program

SanGIS

March 2011

County of San Diego

JACK MILLER
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
COMMUNITY HEALTH DIVISION
5570 OVERLAND AVENUE, SUITE 102 SAN DIEGO, CA 92123
(858) 694-2888 FAX (858) 571-4268
1-800-253-9933
www.SDVector.com

LIZ POZZEBON
ASSISTANT DIRECTOR

March 16, 2011

NOTICE TO POTENTIALLY INTERESTED AGENCIES

City of Carlsbad
City of Chula Vista
City of Coronado
City of Del Mar
City of El Cajon
City of Encinitas
City of Escondido
City of Imperial Beach
City of La Mesa
City of Lemon Grove
City of National City
City of Oceanside
City of Poway
City of San Diego
City of San Marcos
City of Santee
City of Solana Beach
City of Vista
United States Army Corps of Engineers
CalTrans
California Department
State Department of Parks and Rec.
United States Fish and Wildlife Service
County of San Diego DPW & Parks and Rec

County of San Diego (Department of Environmental Health - Vector Control Program) Notice of Intent to continue to apply Aquatic Larvicides for Vector Control as part of the Program's Integrated Vector Management Program.

To Whom It May Concern:

Pursuant to the provisions stated in the National Pollutant Discharge Elimination System (NPDES) Permit (Order No. 2011-*****-DWQ) [General Permit No. CAG 990004] adopted on March 1, 2011, by the State Water Resources Control Board, notice is hereby given that the County of San Diego, Department of Environmental Health – Vector Control Program (VCP) intends to continue to perform larvicide applications as part of its Integrated Vector Management Program.

The VCP's activities are conducted year-round within all 18 cities and unincorporated areas of San Diego County. The areas that will be actually or potentially impacted by the VCP activities include the following: The incorporated cities of Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Diego, San Marcos, Santee, Solana Beach and Vista as well as unincorporated areas of San Diego County. Treated areas may be under the jurisdiction of the San Diego County Department of Public Works and Department of Parks and Recreation, CalTrans, United

States Army Corps of Engineers, tUnited States Fish and Wildlife Service, the California Department of Fish and Game and the California Department of Parks and Recreation.

Larvicide applications are made in an effort to protect the public's health from vector-borne diseases, are based on key vector and arbovirus surveillance indicators and in strict compliance with pesticide label requirements. The following materials may be used:

Trade Name	Active Ingredient
Larvicides:	
Altosid Briquets	methoprene
Altosid Pellets	methoprene
Altosid XR Extended Residual Briquets	methoprene
Altosid XR-G	methoprene
Aquabac 200G	*Bacillus thuringensis* subspecies *israelensis*
Mosquito Dunks	*Bacillus thuringensis* subspecies *israelensis*
Mosquito Larvicide GB-1111	mineral oil
VectoLex CG	*Bacillus sphaericus*
VectoLex WDG	*Bacillus sphaericus*
VectoLex WSP	*Bacillus sphaericus*
VectoMax G	*Bacillus thuringensis* subspecies *israelensis*, *Bacillus sphaericus*
VectoMax WSP	*Bacillus thuringensis* subspecies *israelensis*, *Bacillus sphaericus*

In addition to these pesticides, the VCP is in possession of the following pesticides to be used in an emergency public health situation where adulticiding is necessary:

Adulticides:	
Pyrenone 25-5	pyrethrins, piperonyl butoxide
Pyrocide	pyrethrins, piperonyl butoxide
Scourge 4/12	resmithrin, piperonyl butoxide

If you have any questions regarding this Notice of Intent, please contact the Vector Control Program at (858) 694-2888 or vector@sdcounty.ca.gov.

Sincerely,

Rebecca Lafreniere

Rebecca Lafreniere, Chief
Community Health Division