

# NPDES Permit Compliance Guidelines

## 1. Acquire Permit

- Submit NPDES application to SWRCB:
  - Notice of Intent (NOI)
  - Pesticide Application Plan (PAP)
  - Map of agency service area
  - Pesticide use-report year prior
- Receive Notice of Applicability (NOA)

MAR 05 2013

## 2. Under the permit's Pesticide Use Requirements (p.15ff) you are to:

- **Provide** any requester with **current application information** (p.15)
- **Distribute a letter of intent** to all potentially interested parties (Cities, County Supervisors, California Department of Fish & Game, Caltrans District, Coastal Commission, Department of Pesticide Regulations, Regional Water Control Board, various Conservancies, County Agricultural Commissioner, Department of Public Works, Department of Recreation & Parks, County Registrar-Recorder/ County Clerk, County Department of Water & Power, County Public Health Department). The letter is to include a list of materials to be used, their purpose, the general time period during which applications may occur, water use restrictions during treatment, if any, and your contact information. This letter has to be sent annually for the life of the permit. Post this letter on the District website if one is available (p.16).
- **Continue to update the PAP** you prepared as part of the application package (p.16)
- **Maintain a Pesticide Application Log** (p.19) that includes application date and time, location (address, crossroads or map coordinates), applicator name, the names of water bodies treated, application rate, as well as source size and flow rate if applicable.
- Submit 24 hour notice of any **non compliance** or unintended effects (p.23) and submit a written report within 5 days thereafter.
- Notify water board(s) 24 hours before **first application** of the year (C-7)

## 3. Conduct visual monitoring for larvicide applications at 10% of all application areas (C-6). Background-monitoring, within 24hrs before the treatment; event-monitoring, within 24 hrs after treatment and post event-monitoring, within one week after treatment completion, the timeframe of which can vary due to the different residual times for various materials. If a new application follows at the end of the life span of the previous treatment, due to continued breeding, post and pre-treatment monitoring can be conducted at the same time. To ensure consistency within the coalition please use the monitoring spread sheet provided by the SWRCB to record you monitoring events. This spreadsheet can be found on the MVCAC website under the NPDES Resource Center.

To select monitoring sites:

- **Identify Waters of the US (WOTUS)** within your service area that are also application sites or in close proximity to application sites for adulticides. Categorize them if possible into groups such as: rivers, creeks, channels, ditches etc. This will be helpful in the selection of a representative set of monitoring sites (C-2). Applications to MS4 structures (catch basins, stormdrains, etc.) will not have to be monitored.
- **Establish your treatment areas.** A treatment area can be defined as any area of tributaries that are connected or of close geographical proximity, where applications,

how ever many, are made on the same day. Again, all the applications made in one treatment area have to be in close proximity in both space and time to count as a single application event. Tally up the number of treatment areas you identified and figure out how many you would have to select to be monitoring 10% (say one has 80 application areas, so the number of monitoring sites to be picked is 8)

- **Pick your visual monitoring sites for larvicides applications.** Once you know how many sites or areas you have to monitor to comply with the permit requirement of monitoring all applications at 10% of you application areas, you can pick your monitoring sites according to the following criteria so as to have a set of monitoring sites representative for your program:
    - Try to distribute monitoring locations throughout your service area
    - Try to have the different categories of waters of the US you came up with proportionally represented in the sites you choose to monitor
    - Consider other variables such as treatment frequency, year-round water presence or intermittent dryness, etc.
4. **Physical monitoring (C-6).** If you have volunteered to be one of the agencies to conduct physical monitoring for the coalition, follow the how-to manual provided by URS. A Physical Monitoring Checklist will be posted on the MVCAC web site. All reports done for the physical monitoring should be sent to URS for compilation.
  5. **Monitoring of adulticide treatments (C-6).** At the beginning of the year URS will work with the NPDES committee to compile a list of products targeted for monitoring that year. Member agencies will be encouraged to report to URS when they are planning to use any of these targeted active ingredients. URS will then decided if the application should be monitored and, if YES, will take all the necessary steps to coordinate and conduct the monitoring event. If NO, agencies will perform routine visual monitoring within 24hrs before the event and within 24 hrs after the event on 10% of the application areas or a minimum of 6 (C-6). Use the monitoring spread sheet provided by the SWRCB to record your monitoring events. This spreadsheet can be found on the MVCAC website under the NPDES Resource Center.
  6. **Annual Report (C-7).** At the end of each year, agencies have to submit an annual report to SWRCB as well as their regional water boards.

The annual report is comprised of:

    - Written report
    - Annual pesticide log
    - Map of application areas/sites
    - Visual/physical monitoring records (see templates on MVCAC web site).

The annual report should cover the time period from Jan 1 to Dec 31 and is due March 1<sup>st</sup> of the following year. The coalition will produce a separate annual report that will summarize all of the physical and chemical monitoring done during the course of the year.
  7. If you have any questions regarding how to comply with your permit, contact your regional representative on the NPDES committee.



**SAN GABRIEL VALLEY  
MOSQUITO & VECTOR CONTROL DISTRICT**

1145 N. Azusa Canyon Road  
West Covina, California 91790  
(626) 814-9466 • FAX (626) 337-5686  
e-mail: [district@sgvmosquito.org](mailto:district@sgvmosquito.org)

Cities of:

*Alhambra*

*Arcadia*

*Azusa*

*Bradbury*

*Claremont*

*Covina*

*Duarte*

*El Monte*

*Glendora*

*Industry*

*Irwindale*

*La Puente*

*La Verne*

*Monrovia*

*Monterey Park*

*Pomona*

*Rosemead*

*San Dimas*

*San Gabriel*

*Sierra Madre*

*Temple City*

*Walnut*

*West Covina*

*County of  
Los Angeles*

January 25, 2013

**Required NPDES Notification to Potentially Affected Parties**

The San Gabriel Valley Mosquito and Vector Control District has a National Pollution Discharge Elimination System (NPDES) permit to apply aquatic pesticides to sources of mosquitoes, black flies, and midges which may reach Waters of the United States. A copy of our permit is available at the District Monday – Fridays from 8:00 am to 3:30 pm (except holidays).

The pesticides we use are regulated by the US Environmental Protection Agency (USEPA) and the Federal Insecticide Fungicide and Rodenticide Act (FIFRA). A ruling by the 6<sup>th</sup> Circuit Court of Appeals which is still pending dictates that we must comply with the provisions of the Clean Water Act and obtain a NPDES permit.

Our District has always used education and removed sources of standing water as our primary methods of controlling mosquitoes. Pesticides are applied by trained technicians strictly according to their labels.

We will continue to use the best means possible to protect public health in the San Gabriel Valley.

Sincerely,

Kenn K. Fujioka PhD  
District Manager



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MOSQUITO & VECTOR CONTROL DISTRICT**

1145 N. Azusa Canyon Road  
West Covina, California 91790  
(626) 814-9466 • FAX (626) 337-5686  
e-mail: [district@sgvmosquito.org](mailto:district@sgvmosquito.org)

*Cities of:*

*Alhambra*

**March 1, 2013**

*Arcadia*

*Azusa*

*Bradbury*

**State Water Resources Control Board  
PO Box 100  
Sacramento, California 95812-0100**

*Claremont*

*Covina*

*Duarte*

**Dear Sir or Madam:**

*El Monte*

Attached is a revised Pesticide Action Plan that should accompany the NOI for Water Quality Order No. 2011-0002-DWQ General Permit No. CAG 990004 for the San Gabriel Valley Mosquito and Vector Control District (District).

*Glendora*

*Industry*

*Irwindale*

*La Puente*

The NPDES permit states that districts must monitor 10% of Waters of the U.S. within their boundaries. It is our estimation that the District contains approximately 20 primary watersheds that qualify as "Waters of the US."

*La Verne*

*Monrovia*

*Monterey Park*

Of these rivers and channels, we have selected ten (10) sites throughout our District, two sites per zone (that believe qualify) as waterways that contribute to the "Waters of the US." We selected a variety of different source types throughout the District.

*Pomona*

*Rosemead*

*San Dimas*

The sites selected for visual monitoring represent locations where pesticides are applied to the "Waters of the US" under the NPDES permit as we understand it.

*San Gabriel*

*Sierra Madre*

*Temple City*

The attached map depicts "Waters of the US" within the District' boundaries, as well as sites selected for monitoring, and pesticide application. A log of all pesticide applications to "Waters of the US" is also attached.

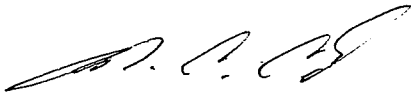
*Walnut*

*West Covina*

*County of  
Los Angeles*

Please contact me if you have any questions. Thank you for your time and consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. C. Cook', written in a cursive style.

Melvin C. Cook  
Operations Manager

1. **Annual Report**

a. Executive Summary

San Gabriel Valley Mosquito & Vector Control District (District) complied with the applicable components of the General NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications (General Permit). No adulticides were applied in 2012. The District continued to follow the guidelines of its PAP.

b. Summary of Monitoring Data

Fifteen (15) pesticide application events were monitored at five (5) of the ten (10) selected locations. No pesticide applications were made at the other (5) selected sites during the period visual monitoring was required - no mosquito breeding was found at these sites prior to the date visual monitoring was discontinued in response to the West Nile Virus outbreak. The MVCAC Coalition annual report has been delayed until March 2013. The Coalition report will include the summary of all physical and chemical monitoring to date as highlighted in the permit.

c. BMP Identification

BMPs utilized by the District are outlined in the District's PAP. These include: emphasis on reducing mosquito breeding habitat through non-chemical means, training employees to prevent spills and applying appropriate amount of chemical in each treatment area, calibrate application equipment and use a biology based assessment for determining treatment thresholds.

d. Violation Discussion

No violations of the General Permit were observed.

e. Map of Applications

See Attachment A

f. Log of Applications made to Waters of the U.S.

Attachment B includes monthly reports of all application data on the covered application areas.

g. General Information on Applications

Included in Attachment B. Dosage, concentration and quantity of each pesticide used are derived from the individual pesticide labels.

h. Visual Monitoring Data

No Visual Monitoring Data has been submitted to the State Water Board in the attached MVP Monitoring Database Form and Monitoring Log Sheets.

i. BMP, PAP, Monitoring Program Recommendations

No recommendations can be made to improve the current BMPs, PAP, or monitoring plan at this point.

j. Pesticide Application Log made to Waters of the U.S.

A representation of the pesticide application log is contained in Attachment B

2. **Updated PAP Components**

N/A

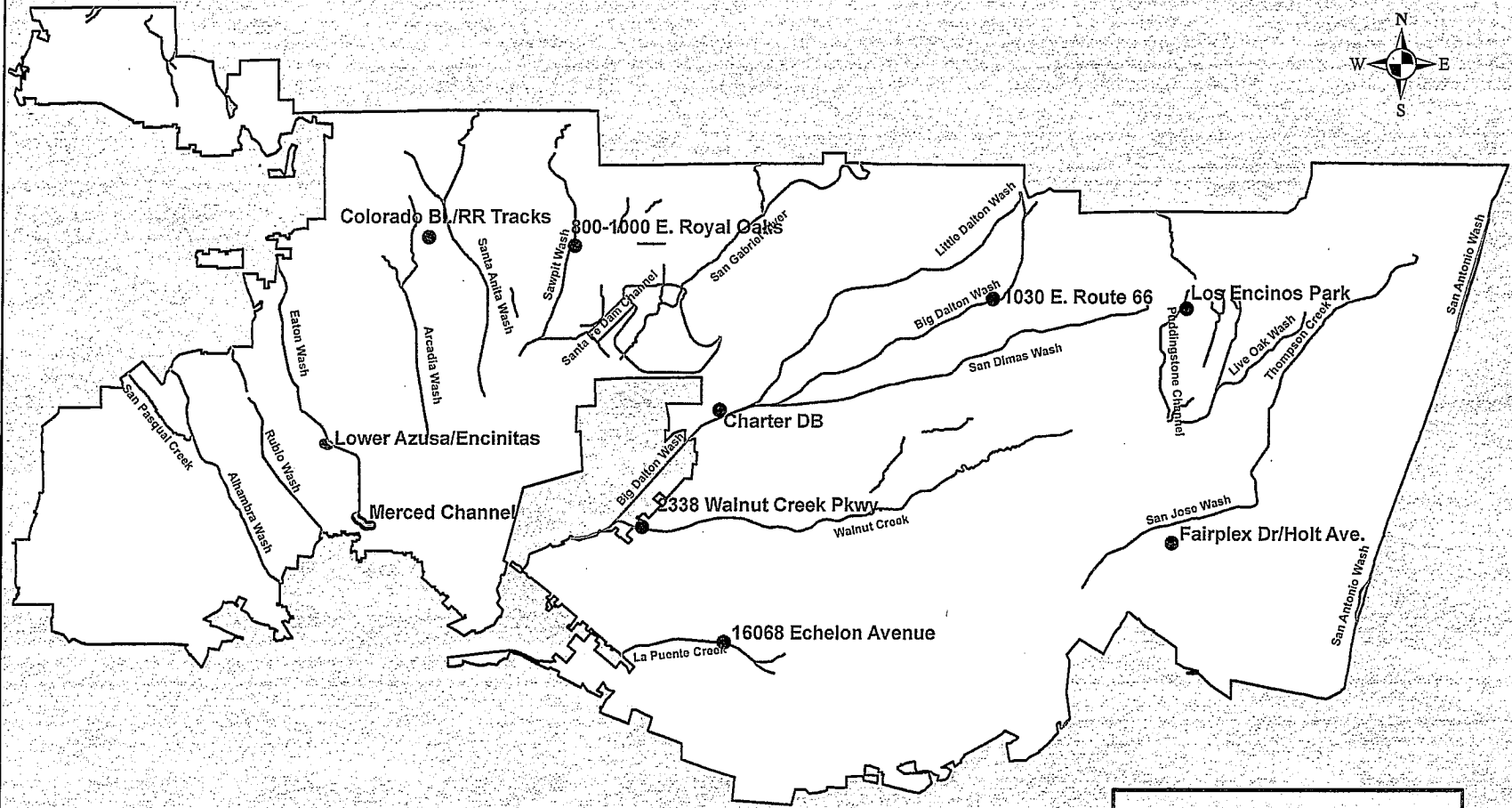
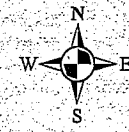
3. **Self Monitoring Reports**

N/A

4. **Monitoring Reports**

N/A

# San Gabriel Valley Mosquito & Vector Control District Los Angeles County : Visual Monitoring Sites in 2012



- District Boundary
- Selected NPDES Sites
- Rivers within District





# Chemical Usage Detail Report: 1/1/2012 to 7/13/2012

## Pesticide Applications to Selected NPDES Sites

Report Created On: Friday, February 22, 2013

<u>SiteName</u>	<u>FieldTech</u>	<u>Date</u>	<u>Area Treated</u>	<u>Treated</u>	<u>Amount</u>	<u>EquipType</u>
<b>Agnique MMF 53263-28</b>						
Lower Azusa Rd./ Encinita Ave.	Marc Mitchell	5/4/2012	716.000 sq ft	0.0200	2.10 fl oz	Spray Bot.
16068 Echelon Avenue	Alfonso Melgoza	5/29/2012	9.000 sq ft	0.0000	0.03 fl oz	Pipette
Colorado Bl (West) / RR Tracks	Jon Halili	7/9/2012	30.000 sq ft	0.0000	0.09 fl oz	Spray Bot.
					<b>0.017300</b>	<b>2.22</b>
					<b>acres</b>	<b>fl oz</b>
<b>ALL 2724-392</b>						
4819 Charter St. (Charter DB)	Darrin Jones	5/8/2012	1,200.000 sq ft	0.0300	0.07 fl oz	Back Tank
Lower Azusa Rd./ Encinita Ave.	Marc Mitchell	7/13/2012	2,000.000 sq ft	0.0500	0.11 fl oz	Back Tank
					<b>0.0700</b>	<b>0.18</b>
					<b>acres</b>	<b>fl oz</b>
<b>Altosid XR Briquet</b>						
Merced Channel	Marc Mitchell	3/19/2012	17,600.000 sq ft	0.4000	195.00 briquet	Hand
					<b>0.4000</b>	<b>195.00</b>
					<b>acres</b>	<b>briquet</b>
<b>Fourstar Briq 83362-3</b>						
Colorado Bl (West) / RR Tracks	Jon Halili	2/13/2012	30.000 sq ft	0.0000	2.00 briqu	Hand
16068 Echelon Avenue	Alfonso Melgoza	2/24/2012	9.000 sq ft	0.0000	1.00 briqu	Hand
Colorado Bl (West) / RR Tracks	Jon Halili	4/27/2012	30.000 sq ft	0.0000	2.00 briqu	Hand
					<b>0.001600</b>	<b>5.00</b>
					<b>acres</b>	<b>briquet</b>
<b>Golden Bear 1111 Larv. Oil 8329-72</b>						
Lower Azusa Rd./ Encinita Ave.	Marc Mitchell	2/22/2012	2,007.200 sq ft	0.0500	29.40 fl oz	Back Tank
Merced Channel	Marc Mitchell	5/4/2012	7,250.000 sq ft	0.1700	64.00 fl oz	Back Tank
Merced Channel	Marc Mitchell	5/25/2012	4,075.000 sq ft	0.0900	51.20 fl oz	Back Tank
					<b>0.3100</b>	<b>29.40</b>
					<b>acres</b>	<b>briquet</b>

**VectoBac 12AS 73049-38**

4819 Charter St. (Charter DB)

Darrin Jones

5/8/2012

1,200.000 sq ft

0.0300

acres

fl oz

0.37 fl oz

Back Tank

Lower Azusa Rd./ Encinita Ave.

Marc Mitchell

7/13/2012

2,000.000 sq ft

0.0500

0.62 fl oz

Back Tank

**Usage Totals:**

**0.0700**

**0.08**

acres

fl oz

**VectoBac G 73049-10**

Merced Channel

Marc Mitchell

3/8/2012

21,340.000 sq ft

0.4900

9.79 lb

Granulator

**0.4900**

**9.79**

**Usage Totals:**

acres

lb





# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location:</b>	16068 Echelon Ave.
<b>Applicator Name:</b>	Alfonso Melgoza	<b>Water Body:</b>	Puente Creek Channel Channel
<b>Date of Application:</b>	02/24/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide FourStar 90 day Briquet		

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	02/24/2012	<b>Time:</b>	8:58 AM	02/24/2012	<b>Time:</b>	9:05 AM	05/29/2012	<b>Time:</b>	3:00 PM
<b>Monitors:</b>	Alfonso Melgoza			Alfonso Melgoza			Alfonso Melgoza		
<b>Current Weather:</b>	Clear/sunny/None//Warm/mild			Clear/sunny/None//Warm/mild			Clear/sunny/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Colorless/Clear			Colorless/Clear			Colorless/Clear		
<b>Floating or Suspended Matter:</b>	Not Observed	<b>Bottom Deposits:</b>	Not Observed	Not Observed	<b>Bottom Deposits:</b>	Not Observed	Not Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Not Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	Algae on bottom			Algae on bottom			Algae		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						

# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	Merced Channel, El Monte
<b>Applicator Name:</b>	Marc Mitchell	<b>Water Body:</b>	Rio Hondo Wash Channel
<b>Date of Application:</b>	03/08/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide VectoBac G		

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	03/08/2012	<b>Time:</b>	9:52 AM	03/08/2012	<b>Time:</b>	10:30 AM	03/19/2012	<b>Time:</b>	1:00 PM
<b>Monitors:</b>	Marc Mitchell			Marc Mitchell			Marc Mitchell		
<b>Current Weather:</b>	Clear/sunny/None//Warm/mild			Clear/sunny/None//Warm/mild			Partly cloudy/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Colorless/Clear			Colorless/Clear			Brown/Murky		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	None			None			None		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						



# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	W. Colorado Blvd/RR Tracks
<b>Applicator Name:</b>	Jon Halili	<b>Water Body:</b>	W. Colorado Blvd/RR Tracks Channel
<b>Date of Application:</b>	04/27/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide FourStar 90 day Briquets		

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	04/27/2012	<b>Time:</b>	11:29 AM	04/27/2012	<b>Time:</b>	11:39 AM	07/09/2012	<b>Time:</b>	9:43 AM
<b>Monitors:</b>	Jon Halili			Jon Halili			Jon Halili		
<b>Current Weather:</b>	Overcast/None//Cool			Overcast/None//Cool			Clear/sunny/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Brown/Cloudy			Brown/Cloudy			Brown/Cloudy		
<b>Floating or Suspended Matter:</b>	Not Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Not Observed	<b>Surface Oil:</b>	Films	Not Observed	<b>Surface Oil:</b>	Films	Not Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	Trash accumulation			Trash			Algae, trash		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						



# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location:</b>	Merced Channel/El Monte
<b>Applicator Name:</b>	Marc Mitchell	<b>Water Body:</b>	Merced Channel Channel
<b>Date of Application:</b>	05/04/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide Golden Bear 1111		

## Visual Observation

	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	05/04/2012	<b>Time:</b>	8:40 AM	05/04/2012	<b>Time:</b>	9:00 AM	05/25/2012	<b>Time:</b>	9:10 AM
<b>Monitors:</b>	Marc Mitchell			Marc Mitchell			Marc Mitchell		
<b>Current Weather:</b>	Partly cloudy/None//Warm/mild			Partly cloudy/None//Warm/mild			Clear/sunny/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Brown/Murky			Brown/Murky			Green/Murky		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Not Observed			Not Observed			Observed		
<b>Other Potential Nuisance:</b>	Debris			Debris			Debris		

## Field Measurement

<b>Water temperature:</b>					
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.
<b>Electrical Conductivity:</b>					
<b>Method</b>					
<b>Dissolved oxygen:</b>					
<b>Method</b>					
<b>pH:</b>					
<b>Method</b>					
<b>Turbidity:</b>					
<b>Method</b>					

# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	Lower Azusa Rd./Encinitas Ave
<b>Applicator Name:</b>	Marc Mitchell	<b>Water Body:</b>	Lower Azusa Rd./Encinitas Ave. Channel
<b>Date of Application:</b>	05/04/2012		
<b>Pesticide</b>	Larvicide	Agnique MMF	
		<b>Description:</b>	

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	05/04/2012	<b>Time:</b>	11:10 AM	05/04/2012	<b>Time:</b>	11:15 AM	05/25/2012	<b>Time:</b>	11:20 AM
<b>Monitors:</b>	Marc Mitchell			Marc Mitchell			Marc Mitchell		
<b>Current Weather:</b>	Partly cloudy/None//Warm/mild			Partly cloudy/None//Warm/mild			Clear/sunny/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Brown/Murky			Brown/Murky			Brown/Murky		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Not Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	Debris			Debris			None		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						

# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	4819 Charter St.
<b>Applicator Name:</b>	Darrin Jones	<b>Water Body:</b>	4819 Charter St.   Open waterway
<b>Date of Application:</b>	05/08/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide   VectoBac 12AS		

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	05/08/2012	<b>Time:</b>	8:16 AM	05/08/2012	<b>Time:</b>	8:26 AM	05/22/2012	<b>Time:</b>	9:16 AM
<b>Monitors:</b>	Darrin Jones			Darrin Jones			Darrin Jones		
<b>Current Weather:</b>	Partly cloudy/None//Warm/mild			Partly cloudy/None//Warm/mild			Clear/sunny/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Colorless/Clear			Colorless/Clear			Colorless/Clear		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Not Observed		
<b>Other Potential Nuisance:</b>	None			None			None		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						

# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	4819 Charter St.
<b>Applicator Name:</b>	Darrin Jones	<b>Water Body:</b>	4819 Charter St. Open waterway
<b>Date of Application:</b>	05/08/2012		
<b>Pesticide</b>	Larvicide	Altosid Liquid Larvicide	<b>Description:</b>

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	05/08/2012	<b>Time:</b>	8:16 AM	05/08/2012	<b>Time:</b>	8:26 AM	05/22/2012	<b>Time:</b>	9:16 AM
<b>Monitors:</b>	Darrin Jones			Darrin Jones			Darrin Jones		
<b>Current Weather:</b>	Partly cloudy/None//Warm/mild			Partly cloudy/None//Warm/mild			Clear/sunny/None//Warm/mild		
<b>Water Color &amp; Clarity:</b>	Colorless/Clear			Colorless/Clear			Colorless/Clear		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Not Observed		
<b>Other Potential Nuisance:</b>	None			None			None		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						

## Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	Merced Channel
<b>Applicator Name:</b>	Darrin Jones	<b>Water Body:</b>	Merced Channel Channel
<b>Date of Application:</b>	05/25/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide Golden Bear 1111		

Visual Observation									
	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	05/25/2012	<b>Time:</b>	9:20 AM	05/25/2012	<b>Time:</b>	9:50 AM	06/13/2012	<b>Time:</b>	12:10 PM
<b>Monitors:</b>	Marc Mitchell			Marc Mitchell			Marc Mitchell		
<b>Current Weather:</b>	Clear/sunny/None//Warm/mild			Clear/sunny/None//Warm/mild			Clear/sunny/None//Hot		
<b>Water Color &amp; Clarity:</b>	Green/Murky			Green/Murky			Brown/Cloudy		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>		Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	Debris			Debris			Debris		

Field Measurement						
<b>Water temperature:</b>						
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.	
<b>Electrical Conductivity:</b>						
<b>Method</b>						
<b>Dissolved oxygen:</b>						
<b>Method</b>						
<b>pH:</b>						
<b>Method</b>						
<b>Turbidity:</b>						
<b>Method</b>						



# Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location:</b>	W. Colorado Blvd./RR Tracks
<b>Applicator Name:</b>	Jon Halili	<b>Water Body:</b>	W. Colorado Blvd./RR Tracks Channel
<b>Date of Application:</b>	07/09/2012		
<b>Pesticide:</b>	Larvicide	Agnique MMF	<b>Description:</b>

## Visual Observation

	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	07/09/2012	<b>Time:</b>	9:43 AM	07/09/2012	<b>Time:</b>	9:43 AM	08/08/2012	<b>Time:</b>	8:42 AM
<b>Monitors:</b>	Jon Halili			Jon Halili			Jon Halili		
<b>Current Weather:</b>	Clear/sunny/None//Hot			Clear/sunny/None//Hot			Clear/sunny/None//Hot		
<b>Water Color &amp; Clarity:</b>	Brown/Cloudy			Brown/Cloudy			Brown/Cloudy		
<b>Floating or Suspended Matter:</b>	Not Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed	Not Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Not Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	Trash			Trash			None		

## Field Measurement

<b>Water temperature:</b>					
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.
<b>Electrical Conductivity:</b>					
<b>Method</b>					
<b>Dissolved oxygen:</b>					
<b>Method</b>					
<b>pH:</b>					
<b>Method</b>					
<b>Turbidity:</b>					
<b>Method</b>					

## Monitoring Log Sheet

<b>Agency:</b>	San Gabriel Valley MVCD	<b>Location</b>	Lower Azusa Rd./Encinitas Ave
<b>Applicator Name:</b>	Marc Mitchell	<b>Water Body:</b>	Lower Azusa Rd/Encinitas Ave (Eaton Wash Channel)
<b>Date of Application:</b>	07/13/2012	<b>Description:</b>	
<b>Pesticide</b>	Larvicide VectoBac 12AS		

### Visual Observation

	Background Monitoring			Event Monitoring			Post-Event Monitoring		
<b>Date of Monitoring</b>	07/13/2012	<b>Time:</b>	5:51 AM	07/13/2012	<b>Time:</b>	6:30 AM	08/02/2012	<b>Time:</b>	9:29 AM
<b>Monitors:</b>	Darrin Jones			Marc Mitchell			Marc Mitchell		
<b>Current Weather:</b>	Partly cloudy/None//Warm/mild			Partly cloudy/None//Warm/mild			Clear/sunny/None//Hot		
<b>Water Color &amp; Clarity:</b>	Colorless/Clear			Colorless/Clear			Colorless/Clear		
<b>Floating or Suspended Matter:</b>	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed	Observed	<b>Bottom Deposits:</b>	Observed
<b>Aquatic Life:</b>	Not Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>		Not Observed	<b>Surface Oil:</b>	
<b>Fungi, Slimes or Objectionable Growths:</b>	Observed			Observed			Observed		
<b>Other Potential Nuisance:</b>	None			None			None		

### Field Measurement

<b>Water temperature:</b>					
<b>Method</b>	Field Inst.		Field Inst.		Field Inst.
<b>Electrical Conductivity:</b>					
<b>Method</b>					
<b>Dissolved oxygen:</b>					
<b>Method</b>					
<b>pH:</b>					
<b>Method</b>					
<b>Turbidity:</b>					
<b>Method</b>					





Agency:	San Gabriel Valley MVCD
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Date of Application	Applicator	Application Info						MONITORING Information				
		Location	Name of Water Body	Type of Water Body	Description	Type of pesticide	Product Name	Time of monitoring	Monitoring Date	Time	Name(s) of personnel	Overhead Conditions
02/13/2012	Jon Halili	Colorado Blvd West/RR Tracks	Colorado Blvd West/RR Tracks	Channel		Larvicide	FourStar 90 day Briquets	Background	02/13/2012	11:27 AM	Jon Halili	Partly cloudy
02/13/2012	Jon Halili	Colorado Blvd West/RR Tracks	Colorado Blvd West/RR Tracks	Channel		Larvicide	FourStar 90 day Briquets	Event	02/13/2012	11:29 AM	Jon Halili	Partly cloudy
02/13/2012	Jon Halili	Colorado Blvd West/RR Tracks	Colorado Blvd West/RR Tracks	Channel		Larvicide	FourStar 90 day Briquets	Post-Event	04/27/2012	11:39 AM	Jon Halili	Partly cloudy
02/22/2012	Marc Mitchell	Lower Azusa Rd/Encinita Ave	Lower Azusa Rd/Encinita Ave	Channel		Larvicide	Golden Bear 1111	Background	02/22/2012	10:29 AM	Marc Mitchell	Clear/sunny
02/22/2012	Marc Mitchell	Lower Azusa Rd/Encinita Ave	Lower Azusa Rd/Encinita Ave	Channel		Larvicide	Golden Bear 1111	Event	02/22/2012	11:15 AM	Marc Mitchell	Clear/sunny
02/22/2012	Marc Mitchell	Lower Azusa Rd/Encinita Ave	Lower Azusa Rd/Encinita Ave	Channel		Larvicide	Golden Bear 1111	Post-Event	03/01/2012	9:48 AM	Marc Mitchell	Overcast
02/24/2012	Alfonso Melgoza	16068 Echelon Ave.	Puente Creek Channel	Channel		Larvicide	FourStar 90 day Briquet	Background	02/24/2012	8:58 AM	Alfonso Melgoza	Clear/sunny
02/24/2012	Alfonso Melgoza	16068 Echelon Ave.	Puente Creek Channel	Channel		Larvicide	FourStar 90 day Briquet	Event	02/24/2012	9:05 AM	Alfonso Melgoza	Clear/sunny
02/24/2012	Alfonso Melgoza	16068 Echelon Ave.	Puente Creek Channel	Channel		Larvicide	FourStar 90 day Briquet	Post-Event	05/29/2012	3:00 PM	Alfonso Melgoza	Clear/sunny
03/08/2012	Marc Mitchell	Merced Channel, El Monte	Rio Hondo Wash	Channel		Larvicide	VectoBac G	Background	03/08/2012	9:52 AM	Marc Mitchell	Clear/sunny
03/08/2012	Marc Mitchell	Merced Channel, El Monte	Rio Hondo Wash	Channel		Larvicide	VectoBac G	Event	03/08/2012	10:30 AM	Marc Mitchell	Clear/sunny
03/08/2012	Marc Mitchell	Merced Channel, El Monte	Rio Hondo Wash	Channel		Larvicide	VectoBac G	Post-Event	03/19/2012	1:00 PM	Marc Mitchell	Partly cloudy
03/08/2012	Marc Mitchell	Merced Channel, El Monte	Rio Hondo Wash	Channel		Larvicide	Altosid XR Briquets	Background	03/19/2012	1:10 PM	Marc Mitchell	Partly cloudy
03/08/2012	Marc Mitchell	Merced Channel, El Monte	Rio Hondo Wash	Channel		Larvicide	Altosid XR Briquets	Event	03/19/2012	1:30 PM	Marc Mitchell	Partly cloudy
03/08/2012	Marc Mitchell	Merced Channel, El Monte	Rio Hondo Wash	Channel		Larvicide	Altosid XR Briquets	Post-Event	05/04/2012	8:25 AM	Marc Mitchell	Partly cloudy
04/27/2012	Jon Halili	W. Colorado Blvd/RR Tracks	W. Colorado Blvd/RR Tracks	Channel		Larvicide	FourStar 90 day Briquets	Background	04/27/2012	11:29 AM	Jon Halili	Overcast
04/27/2012	Jon Halili	W. Colorado Blvd/RR Tracks	W. Colorado Blvd/RR Tracks	Channel		Larvicide	FourStar 90 day Briquets	Event	04/27/2012	11:39 AM	Jon Halili	Overcast
04/27/2012	Jon Halili	W. Colorado Blvd/RR Tracks	W. Colorado Blvd/RR Tracks	Channel		Larvicide	FourStar 90 day Briquets	Post-Event	07/09/2012	9:43 AM	Jon Halili	Clear/sunny
05/04/2012	Marc Mitchell	Merced Channel/El Monte	Merced Channel	Channel		Larvicide	Golden Bear 1111	Background	05/04/2012	8:40 AM	Marc Mitchell	Partly cloudy
05/04/2012	Marc Mitchell	Merced Channel/El Monte	Merced Channel	Channel		Larvicide	Golden Bear 1111	Event	05/04/2012	9:00 AM	Marc Mitchell	Partly cloudy
05/04/2012	Marc Mitchell	Merced Channel/El Monte	Merced Channel	Channel		Larvicide	Golden Bear 1111	Post-Event	05/25/2012	9:10 AM	Marc Mitchell	Clear/sunny
05/04/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd./Encinitas Ave.	Channel		Larvicide	Agnique MMF	Background	05/04/2012	11:10 AM	Marc Mitchell	Partly cloudy
05/04/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd./Encinitas Ave.	Channel		Larvicide	Agnique MMF	Event	05/04/2012	11:15 AM	Marc Mitchell	Partly cloudy
05/04/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd./Encinitas Ave.	Channel		Larvicide	Agnique MMF	Post-Event	05/25/2012	11:20 AM	Marc Mitchell	Clear/sunny
05/08/2012	Darrin Jones	4819 Charter St.	4819 Charter St.	Open waterway		Larvicide	VectoBac 12AS	Background	05/08/2012	8:16 AM	Darrin Jones	Partly cloudy
05/08/2012	Darrin Jones	4819 Charter St.	4819 Charter St.	Open waterway		Larvicide	VectoBac 12AS	Event	05/08/2012	8:26 AM	Darrin Jones	Partly cloudy
05/08/2012	Darrin Jones	4819 Charter St.	4819 Charter St.	Open waterway		Larvicide	VectoBac 12AS	Post-Event	05/22/2012	9:16 AM	Darrin Jones	Clear/sunny
05/08/2012	Darrin Jones	4819 Charter St.	4819 Charter St.	Open waterway		Larvicide	Altosid Liquid Larvicide	Background	05/08/2012	8:16 AM	Darrin Jones	Partly cloudy
05/08/2012	Darrin Jones	4819 Charter St.	4819 Charter St.	Open waterway		Larvicide	Altosid Liquid Larvicide	Event	05/08/2012	8:26 AM	Darrin Jones	Partly cloudy
05/08/2012	Darrin Jones	4819 Charter St.	4819 Charter St.	Open waterway		Larvicide	Altosid Liquid Larvicide	Post-Event	05/22/2012	9:16 AM	Darrin Jones	Clear/sunny
05/25/2012	Darrin Jones	Merced Channel	Merced Channel	Channel		Larvicide	Golden Bear 1111	Background	05/25/2012	9:20 AM	Marc Mitchell	Clear/sunny
05/25/2012	Darrin Jones	Merced Channel	Merced Channel	Channel		Larvicide	Golden Bear 1111	Event	05/25/2012	9:50 AM	Marc Mitchell	Clear/sunny
05/25/2012	Darrin Jones	Merced Channel	Merced Channel	Channel		Larvicide	Golden Bear 1111	Post-Event	06/13/2012	12:10 PM	Marc Mitchell	Clear/sunny
05/29/2012	Alfonso Melgoza	16068 Echelon	16068 Echelon (Puente Creek Wash)	Channel		Larvicide	Agnique MMF	Background	05/29/2012	3:02 PM	Alfonso Melgoza	Clear/sunny
05/29/2012	Alfonso Melgoza	16068 Echelon	16068 Echelon (Puente Creek Wash)	Channel		Larvicide	Agnique MMF	Event	05/29/2012	3:05 PM	Alfonso Melgoza	Clear/sunny
05/29/2012	Alfonso Melgoza	16068 Echelon	16068 Echelon (Puente Creek Wash)	Channel		Larvicide	Agnique MMF	Post-Event	06/08/2012	12:49 PM	Alfonso Melgoza	Clear/sunny
07/09/2012	Jon Halili	W. Colorado Blvd./RR Tracks	W. Colorado Blvd./RR Tracks	Channel		Larvicide	Agnique MMF	Background	07/09/2012	9:43 AM	Jon Halili	Clear/sunny
07/09/2012	Jon Halili	W. Colorado Blvd./RR Tracks	W. Colorado Blvd./RR Tracks	Channel		Larvicide	Agnique MMF	Event	07/09/2012	9:43 AM	Jon Halili	Clear/sunny
07/09/2012	Jon Halili	W. Colorado Blvd./RR Tracks	W. Colorado Blvd./RR Tracks	Channel		Larvicide	Agnique MMF	Post-Event	08/08/2012	8:42 AM	Jon Halili	Clear/sunny
07/13/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd/Encinitas Ave (Eaton Wash)	Channel		Larvicide	VectoBac 12AS	Background	07/13/2012	5:51 AM	Darrin Jones	Partly cloudy
07/13/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd/Encinitas Ave (Eaton Wash)	Channel		Larvicide	VectoBac 12AS	Event	07/13/2012	6:30 AM	Marc Mitchell	Partly cloudy
07/13/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd/Encinitas Ave (Eaton Wash)	Channel		Larvicide	VectoBac 12AS	Post-Event	08/02/2012	9:29 AM	Marc Mitchell	Clear/sunny
07/13/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd/Encinitas Ave (Eaton Wash)	Channel		Larvicide	Altosid Liquid Larvicide	Background	07/13/2012	5:51 AM	Marc Mitchell	Partly cloudy
07/13/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd/Encinitas Ave (Eaton Wash)	Channel		Larvicide	Altosid Liquid Larvicide	Event	07/13/2012	6:30 AM	Marc Mitchell	Partly cloudy
07/13/2012	Marc Mitchell	Lower Azusa Rd./Encinitas Ave	Lower Azusa Rd/Encinitas Ave (Eaton Wash)	Channel		Larvicide	Altosid Liquid Larvicide	Post-Event	08/02/2012	9:29 AM	Marc Mitchell	Clear/sunny

