

CITY OF MOORPARK

CITY MANAGER'S OFFICE | 799 Moorpark Avenue, Moorpark, California 93021
Main City Phone Number (805) 517-6200 | Fax (805) 532-2528 | moorpark@ci.moorpark.ca.us

February 25, 2013

FEB 27 2013

State Water Resources Control Board
Division of Water Quality
P.O. Box 100
Sacramento, CA 95812-0100
Attn: Phil Isorena

**Subject: City of Moorpark Vector Control District (Enrollee # 456AP00001)
NPDES Annual Report - 2012**

Enclosed is the City of Moorpark's Vector Control Annual Report, in compliance with the General NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications. If there are any questions about the information provided in the report, please contact Mark Westerline, Vector/Animal Control Specialist at 805-517-6290 or mwesterline@ci.moorpark.ca.us.

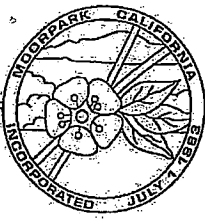
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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." (40 C.F.R. § 122.22(d)).

Sincerely,

Steven Kueny
City Manager

Enclosure

C: Hugh R. Riley, Assistant City Manager
John Brand, Senior Management Analyst
Mark Westerline, Animal/Vector Control Specialist
Sam Unger, Executive Officer, LA Regional Water Quality Control Board



CITY OF MOORPARK

PARKS, RECREATION & COMMUNITY SERVICES DEPT. | 799 Moorpark Avenue, Moorpark, CA 93021
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The City of Moorpark Vector Control Division 2012 NPDES Annual Report

Order # 2011-0002-DWQ

NPDES # CAG 990004

Enrollee # 456AP00001

1. Annual Report

a. Staff Summary

The City of Moorpark Vector Control Division complied with the applicable components of the General NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications (General Permit). The Division used seven different larvicide products for mosquito control in 2011 and six different larvicide products for mosquito control in 2012. These, along with the total number of applications for each product and total quantity used are listed in the data table on Attachment 1. A map of all known active mosquito sources in the City of Moorpark is included on Attachment 2. Applications to possible "Waters of the US" are marked with a red dot on the map. No adulticide applications were made during both calendar years of 2011 and 2012. A visual monitoring plan and program of >10% of individual application sites identified as possible "Waters of the US" began in November 2011, when the Division performed Visual Monitoring of >10% of individual application sites identified as "Waters of the US". A table showing all fifty-eight known active mosquito sources followed by the seven selected visual monitoring sources is shown on Attachment 3. Also listed on Attachment 3 is a table of all 2012 Division applications to potential "Waters of the US". The Division continued to follow the guidelines of its PAP. The visual monitoring completed by the District in the first half of the year found that there is no observable change in water quality between the background, event, and post event time periods-see monitoring log sheets. The SWRCB notified the permit holders in a letter to MVCAC dated July 13, 2012 that because the visual monitoring requirements were "interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile Virus," that the visual monitoring was no longer required by individual Districts.

b. Summary of Monitoring Data

The District began the year by complying with the visual monitoring requirements of the permit. See Footnote 1 of Tables C-1 and C-2 in Amended Water Quality Control Order No. 2011-0002-DWQ, General Permit No. CAG990004. These requirements required a

JANICE S. PARVIN
Mayor

ROSEANN MIKOS, Ph.D.
Councilmember

KEITH F. MILLHOUSE
Councilmember

DAVID POLLOCK
Councilmember

MARK VAN DAM
Councilmember

tremendous amount of time to monitor including a number of revisits to specific sites to gather the necessary information. Most critically, time spent revisiting old sites caused delay in getting to new sites. Given the short lifecycle of the mosquito, this greatly exacerbated the task of looking for and treating mosquito breeding sites early in their lifecycle when treatment is more concentrated and effective. Recognizing the need of mosquito control districts to quickly find and treat mosquito breeding sites to prevent the spread of disease, such as West Nile virus, the SWRCB issued a letter to MVCAC dated July 13, 2012 that indicated the visual monitoring requirement would no longer be required of individual Districts. Based on visual monitoring completed by the Division, there is no observable change in water quality between the background, event, and post event time periods. The Division selected >10% of individual application sites identified as possible "Waters of the US" in November 2011 to visually monitor before and after pesticide applications. Actual pesticide applications and monitoring was done at these sites during the months of May through July 2012 when mosquito larvae were found. Copies of the Divisions visual monitoring data are shown on Attachment 4. The MVCAC Coalition annual report of physical monitoring results for selected mosquito breeding sites within California is scheduled for submittal in 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

BMP's utilized by the Division are outlined in the Division'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. The Division has been able to nearly halve the number of active mosquito sources from a variety of source reduction methods outlined in the PAP. As a comparison, there were 115 active mosquito sources in Moorpark in 2002.

d. Violation Discussion

No violations of the General Permit were observed.

e. Map of Applications

See Attachment 2. Applications to possible "Waters of the US" are indicated with a red dot.

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

Attachment 3 includes a table/log showing applications to possible "Waters of the US."

g. General Information on Applications

This is included in Attachment 1. Dosage, concentration and quantity of each pesticide used are derived from the individual pesticide labels. All Division Vector Control staff are licensed through a cooperative agreement with the California Department of Public Health (CDPH). Division staff applies pesticides according to label directions included.

h. Visual Monitoring Data

Visual Monitoring Data is provided on Attachment 4.

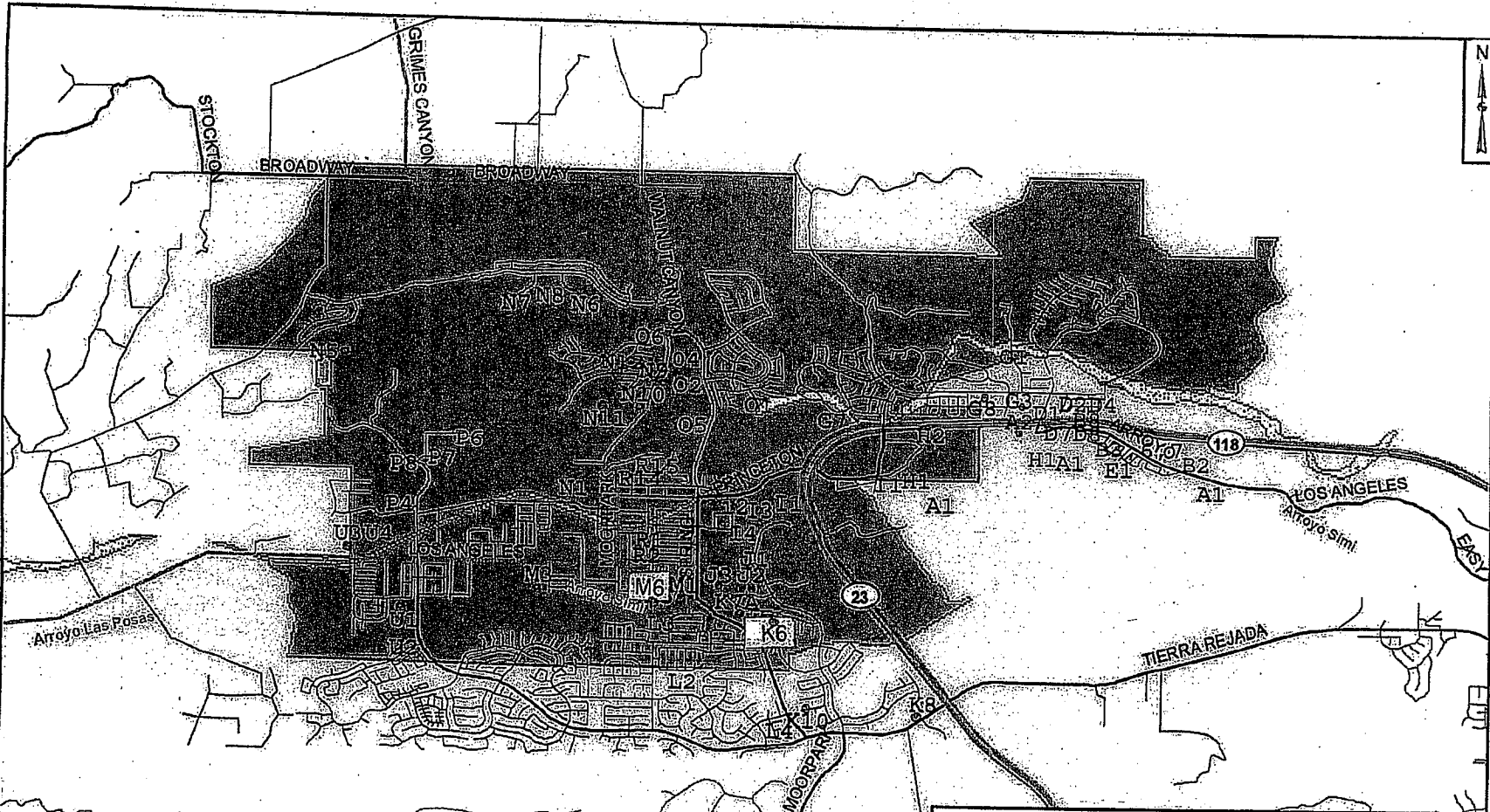
- i. BMP, PAP, Monitoring Program Recommendations
Division staff felt no valuable data was obtained by visual monitoring of selected sources and that it took essential time away from other vector control activity such as source applications and reduction necessary for reducing mosquito counts and disease potential.
- j. Pesticide Application Log made to Waters of the U.S.
A representation of the pesticide application log is contained in Attachment 4.
- k. Updated PAP Components
The Division last amended its PAP on 10/24/11.

Attachment 1




| Annual Pesticides Used | | | | | |
|------------------------|---------------------|---------------|-------------|---------------|-------------|
| Product | Registration Number | 2011 Apps. | 2011 Oz. | 2012 Apps. | 2012 Oz. |
| Agnique MMF G | 53263-30 | 29 | 21.05 | 22 | 15.75 |
| Altosid Pellets | 2724-448 | 71 | 751.50 | 34 | 94.80 |
| Fourstar Briquets | 83362-3 | 47 | 148.20 | 39 | 55.15 |
| Golden Bear 1111 | 8329-72 | 97 | 590.45 | 167 | 664.50 |
| Vectobac G | 73049-10 | 14 | 121.00 | 0 | 0.00 |
| Vectolex CG | 73049-20 | 11 | 190.30 | 3 | 10.50 |
| VectoMax "CG" | 73049-429 | 7 | 258.00 | 31 | 267.20 |

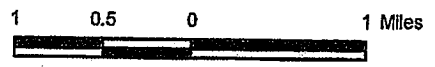
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Attachment 2



Legend

-  River
-  Moorpark
-  Ventura County



City of Moorpark Existing Urban Area
Ventura County, CA

Geosyntec
consultants

Figure
B-6

Oakland Office

April 2010

P:\GIS\Ventura_County_Manual\Projects\B-6_Moorpark_MS4_Pop_Areas_092310.mxd, WHL, September 23, 2010

Attachment 3

CITY OF MOORPARK MOSQUITO SOURCES 2012

| Source # | Source Name | Source Location | Source Count |
|----------|--|--|--------------|
| A1 | A.S. #1 Section 1 | East city limits to VDA stabilizing weir. | 1 |
| A2 | No. 2 Cyn. FCC (Formerly Moorpark College FCC) | Between 118 and VDA by railroad tracks. | 2 |
| B5 | VDA Run Off Drain 1 - | In VDA Complex. Branch of Underground Drain by Unit # 160 | 3 |
| B6 | VDA Run Off Drain 2 - | In VDA Complex. Branch of Underground Drain by Unit #61 | 4 |
| B8 | VDA Run Off Drain 4 - | In VDA Complex. Branch of Underground Drain by Unit # | 5 |
| E1 | VDA Clubhouse Pond- | Directly South of VDA Clubhouse. Check After heavy rains | 6 |
| D1 | VDA Drain A - | The farthest East drain that runs S. of the concrete levee/walkway. | 7 |
| D2 | VDA Drain B - | About 300 ft. W. of Drain A. | 8 |
| D4 | VDA Drain D - | About 500 ft. W of Drain C. | 9 |
| G1 | Pecan Ave. Gutter- | Gutters | 10 |
| G3 | Strathearn Canyon FCC (Formerly Pecan Ave FCC) | Enter through flood gate on west side of Pecan and go south to Arroyo | 11 |
| G5 | Varsity Park South Village Drain | Drain Just South of 15112 B Varsity draining onto Caltrans 118 Freeway | 12 |
| G7 | Happy Camp Canyon FCC (formerly Fordham FCC) | South West of College Heights/Westwood intersection | 13 |
| G8 | Hwy 118 North Drainage - | North of 118 and south parking lot of Varsity Park Village, between F | 14 |
| H1 | AS Sec.#2 Section 2 | From VDA stabilizing weir to Butler crossing. | 15 |
| H2 | Hwy 118 South Drainage - | South of 118, between Teledyne Laars and Collins. | 16 |
| I1 | AS Sec#3 Section 3 | Butler crossing to Virginia Colony trestle | 17 |
| I2 | Vulcan Concrete formerly Ready Mix Pond - | On west side of yard at 13950 Princeton | 18 |
| I3 | AS Sec#4 Section 4 | Virginia Colony trestle to Ready Mix trestle. | 19 |
| I4 | Castro-Williams FCC (formerly Calmat FCC) | Channel between Calmat and Riddle property | 20 |
| J1 | AS Section 5 | Ready Mix trestle to New LA Ave | 21 |
| J2 | AS Section 6 | New LA Ave to Spring St bridge | 22 |
| J3 | Carlsberg Retention Basin - | South of Arroyo Simi, Section 6, and east of Spring | 23 |
| K6 | Southfork Retention Pond | Pond located on S.W. side of Southfork/Miller intersection | 24 |
| K7A | Stagecoach/Spring Basin Drainage | Drainage to the North of above basin. | 25 |
| K8 | Shawnee/Crabapple Ret. Basin | Located on both East and West on the South side Crabapple Ct. | 26 |
| K10 | Shawnee Ct. West Ret. Basin #2 | Located on West side of Shawnee Ct. South Basin | 27 |
| L2 | Peach Hill Drain | (Formerly Marlborough drain) - South of Quail Summit and west of | 28 |
| L3 | Performance Nursery - | Check drainage running north to south, and also along AS Sec 7&8 | 29 |
| L4 | Spring St. S. Pond- | Pond located W. of Spring St. S. of Tierra Rejada and N. of Christia | 30 |
| M1 | AS Section 7 | Spring St bridge to AV Pedestrian Bridge | 31 |
| M3 | AS Section 8 | AV Pedestrian Bridge to Tierra Rejada Bridge | 32 |
| M6 | Ret. Pond #2 AS Section 7 | Larger pond to the East of Pond #1 | 33 |
| N1 | Walnut Canyon FCC - | 200 yards west of Walnut Canyon, starts at Championship Dr. and | 34 |
| N5 | Trevino Dr. Ret Basin | East of Trevino Dr. and West of Golf Course Ridgeline. 7th | 35 |
| N6 | Moorpark C.C. Canyon Crest Golfcourse | Canyon Crest Course Holes 1-9 and Drainage Channels. East Cour | 36 |
| N7 | Moorpark C.C. Ridgeline Golfcourse Hole 1 Seep | Ridgeline Course Holes 1-9 and Drainage Channels. West Course | 37 |
| N8 | Moorpark C.C. Creekside Golfcourse | Ridgeline Course Holes 6-9 and Drainage Channels. Middle Course | 38 |
| N9 | N Meridian Hills/Walnut Cyn Ret. Basin | Meridian Hills tract entrance West side of Walnut Cyn. N. Side | 39 |
| N10 | S. Meridian Hills/Walnut Cyn Ret. Basin | Meridian Hills tract entrance W side of Walnut Cyn. S. Side #5187 | 40 |
| N11 | Casey/Walnut Cyn Ret. Basin & Drainage. | Start S. of Meridian Hills at Concrete stairs leading to drainage that | 41 |
| N12 | Breezy Glen Ret. Basin | N.W. Corner of Meridian Hills & Breezy Glen | 42 |
| O1 | Timber Hollow Ret. Basin | Moorpark Highlands tract. Ret Basin S. side of Timber Hollow | 43 |
| O5 | Mpk Highlands W. Spring N Charles Ret. Basin | West Side of Spring Ret. Basin North of Charles St | 44 |
| O6 | Walnut Cyn./Spring St. Ret. Basin | S.E. corner of intersection of Spring and Walnut Cyn. | 45 |
| P4 | Gabbert Rd FCC - | Continuation of Walnut Canyon FCC; starts on west side of Gbt. | 46 |
| P6 | Elwin St Drain - | at 22837 Elwin St | 47 |
| P7 | Darlene Ln Gutters - | street gutters | 48 |
| R1 | Third St. Gutters | | 49 |
| R2 | Flory St Gutters | | 50 |
| R14 | High St Theater back drain | Sump Pump Drain Behind 45 High St. Theater | 51 |
| R15 | Charles St. Gutter | | 52 |
| U1 | AS Section 9 | Tierra Rejada bridge to Gabbert drain | 53 |
| U2 | Mtn. Meadows/A.S. Sec.#9 Drain- | Drain between Northdale and A.S. Sec.#9.W. of T.R. Bridge | 54 |
| U3 | Buttercreek Drain - | South of Buttercreek St to Arroyo | 55 |
| U4 | Boething Treeland Nursery - | Check any standing water around compost piles | 56 |
| V3 | Peach Hill Wash, Section 1 - | West of Tierra Rejada, across from High School. E end of Dalaway | 57 |
| V4 | Peach Hill Wash Drains- | Drainage gutters on both side of wash from Mtn. Trail to County line | 58 |

Attachment 3

| CITY OF MOORPARK VISUAL MONITORING MOSQUITO SOURCES 2012 | | | |
|--|--|--|--------------|
| Source # | Source Name | Source Location | Source Count |
| A2 | No. 2 Cyn. FCC (Formerly Moorpark College FCC) | Between 118 and VDA by railroad tracks | 1 |
| G3 | Strathearn Canyon FCC (Formerly Pecan Ave FC | Enter through flood gate on west side of Pecan and go south to Arr | 2 |
| G7 | Happy Camp Canyon FCC (formerly Fordham FC | SouthWest of College Heights/Westwood intersection | 3 |
| J3 | Carlsberg Retention Basin - | South of Arroyo Simi, Section 6, and east of Spring | 4 |
| M1 | AS Section 7 | Spring St bridge to AV Pedestrian Bridge | 5 |
| U2 | Mtn. Meadows/A.S. Sec.#9 Drain- | Drain between Northdale and A.S. Sec.#9.W. of T.R. Bridge | 6 |
| V4 | Peach Hill Wash Drains- | Drainage gutters on both side of wash from Mtn. Trail to County line | 7 |

Attachment 3

| Annual Report 2012 | | | | | ATTACHMENT 3 | | | |
|--|-----------|----------|------------------|-----------------|-----------------|-----------|-----------|-------------|
| City of Moorpark, VC | | | | | | | | |
| Application Log for "Waters Of The US" | | | | | | | | |
| EMP # | Date/Time | Source # | HABITAT | Product | Sq. Ft. Treated | Mat. Amt. | LATITUDE | LONGITUDE |
| 1980 | 5/10/2012 | M1 | Flood Channel | Altosid Pellets | 1750 | 3.5 oz. | 34.275987 | -118.875793 |
| 1980 | 5/11/2012 | M3 | Flood Channel | Altosid Pellets | 970 | 2.0 oz. | 34.273385 | -118.898372 |
| 1979 | 5/14/2012 | G3 | Drainage Channel | G.B. 1111 | 280 | 3.0 oz. | 34.273385 | -118.898372 |
| 1980 | 5/14/2012 | M3 | Flood Channel | Agnique MMF | 480 | 0.5 oz. | 34.273385 | -118.898372 |
| 1980 | 5/14/2012 | M1 | Flood Channel | Agnique MMF | 480 | 0.5 oz. | 34.275987 | -118.875793 |
| 1980 | 5/14/2012 | M3 | Flood Channel | Altosid Pellets | 3800 | 8.0 oz. | 34.273385 | -118.898372 |
| 1979 | 5/16/2012 | K6 | Ret. Basin | Vectomax CG | 2400 | 5.0 oz. | 34.276040 | -118.867950 |
| 1980 | 5/17/2012 | U1 | Flood Channel | Agnique MMF | 475 | 0.5 oz. | 34.271236 | -118.903919 |
| 1980 | 5/17/2012 | U1 | Flood Channel | Altosid Pellets | 1920 | 4.0 oz. | 34.271236 | -118.903919 |
| 1980 | 5/17/2012 | U2 | Drainage Channel | Altosid Pellets | 960 | 2.0 oz. | 34.268897 | -118.908859 |
| 1980 | 5/17/2012 | U3 | Drainage Channel | Altosid Pellets | 260 | 0.5 oz. | 34.270753 | -118.907052 |
| 1980 | 5/18/2012 | N12 | Ret. Basin | Altosid Pellets | 400 | 0.8 oz. | 34.297421 | -118.882987 |
| 1980 | 5/18/2012 | N11 | Ret. Basin | Altosid Pellets | 1080 | 1.2 oz. | 34.296316 | -118.883263 |
| 1980 | 5/18/2012 | N11 | Ret. Basin | Agnique MMF | 460 | 0.5 oz. | 34.296316 | -118.883263 |
| 1979 | 6/1/2012 | G8 | Drainage Channel | Altosid Pellets | 475 | 1.0 oz. | 34.292812 | -118.845624 |
| 1979 | 6/12/2012 | A2 | Drainage Channel | G.B. 1111 | 2200 | 20.0 oz. | 34.292704 | -118.840659 |
| 1980 | 6/13/2012 | J3 | Ret. Basin | Vectomax CG | 10200 | 20.0 oz. | 34.276736 | -118.873653 |
| 1980 | 6/13/2012 | K7A | Drainage Channel | Fourstar | 720 | 2.45 oz. | 34.274596 | -118.872596 |
| 1980 | 6/15/2012 | M1 | Flood Channel | Altosid Pellets | 950 | 2.0 oz. | 34.275987 | -118.875793 |
| 1980 | 6/15/2012 | M3 | Flood Channel | Altosid Pellets | 3760 | 8.0 oz. | 34.273385 | -118.898372 |
| 1980 | 6/15/2012 | M3 | Flood Channel | G.B. 1111 | 160 | 1.5 oz. | 34.273385 | -118.898372 |
| 1980 | 6/21/2012 | M3 | Flood Channel | Altosid Pellets | 970 | 2.0 oz. | 34.273385 | -118.898372 |
| 1980 | 6/21/2012 | U1 | Flood Channel | Altosid Pellets | 2700 | 5.5 oz. | 34.271236 | -118.903919 |
| 1980 | 6/21/2012 | U3 | Drainage Channel | Altosid Pellets | 1220 | 2.5 oz. | 34.270753 | -118.907052 |
| 1980 | 6/21/2012 | U2 | Drainage Channel | Fourstar | 700 | 2.3 oz. | 34.268897 | -118.908859 |
| 1980 | 6/21/2012 | M3 | Flood Channel | G.B. 1111 | 55 | 0.5 oz. | 34.273385 | -118.898372 |
| 1980 | 6/21/2012 | U1 | Flood Channel | G.B. 1111 | 88 | 1.0 oz. | 34.271236 | -118.903919 |
| 1979 | 6/28/2012 | G3 | Drainage Channel | Vectomax CG | 2800 | 6.0 oz. | 34.273385 | -118.898372 |
| 1979 | 7/5/2012 | K8 | Ret. Basin | Vectomax CG | 12220 | 24.0 oz. | 34.268080 | -118.853804 |
| 1979 | 7/6/2012 | A2 | Drainage Channel | Vectomax CG | 240 | 0.5 oz. | 34.292704 | -118.840659 |
| 1980 | 7/12/2012 | N12 | Ret. Basin | Altosid Pellets | 520 | 1.0 oz. | 34.297421 | -118.882987 |
| 1980 | 7/12/2012 | N11 | Ret. Basin | Altosid Pellets | 1300 | 1.4 oz. | 34.296316 | -118.883263 |
| 1980 | 7/12/2012 | N12 | Ret. Basin | G.B. 1111 | 320 | 3.0 oz. | 34.297421 | -118.882987 |
| 1980 | 7/13/2012 | N6 | Drainage Channel | Fourstar | 400 | 1.3 oz. | 34.303373 | -118.883529 |
| 1980 | 7/13/2012 | N5 | Ret. Basin | Fourstar | 200 | 0.7 oz. | 34.298148 | -118.911290 |
| 1980 | 7/13/2012 | N6 | Drainage Channel | Vectomax CG | 1940 | 4.0 oz. | 34.303373 | -118.883529 |
| 1980 | 7/13/2012 | N5 | Ret. Basin | Vectomax CG | 2820 | 6.0 oz. | 34.298148 | -118.911290 |
| 1979 | 7/16/2012 | K8 | Ret. Basin | Vectomax CG | 20000 | 36.0 oz. | 34.268080 | -118.853804 |
| 1980 | 7/25/2012 | J2 | Ret. Basin | G.B. 1111 | 70 | 0.6 oz. | 34.278281 | -118.871555 |
| 1980 | 7/25/2012 | J3 | Ret. Basin | Fourstar | 1000 | 3.0 oz. | 34.276736 | -118.873653 |
| 1980 | 7/25/2012 | K7A | Drainage Channel | Fourstar | 500 | 1.6 oz. | 34.274596 | -118.872596 |
| 1980 | 7/25/2012 | J3 | Ret. Basin | Vectomax CG | 2400 | 5.0 oz. | 34.276736 | -118.873653 |
| 1980 | 7/25/2012 | J2 | Ret. Basin | Vectomax CG | 220 | 0.5 oz. | 34.278281 | -118.871555 |
| 1980 | 7/30/2012 | M3 | Flood Channel | Altosid Pellets | 1850 | 4.0 oz. | 34.273385 | -118.898372 |
| 1980 | 7/30/2012 | M3 | Flood Channel | G.B. 1111 | 480 | 5.0 oz. | 34.273385 | -118.898372 |
| 1980 | 7/31/2012 | M3 | Flood Channel | G.B. 1111 | 300 | 3.0 oz. | 34.273385 | -118.898372 |
| 1980 | 7/31/2012 | M3 | Flood Channel | Altosid Pellets | 2300 | 4.5 oz. | 34.273385 | -118.898372 |
| 1979 | 7/31/2012 | G3 | Drainage Channel | Agnique MMF | 300 | 0.3 oz. | 34.273385 | -118.898372 |
| 1980 | 8/1/2012 | M1 | Flood Channel | G.B. 1111 | 380 | 3.6 oz. | 34.275987 | -118.875793 |
| 1980 | 8/1/2012 | U2 | Drainage Channel | G.B. 1111 | 575 | 9.0 oz. | 34.268897 | -118.908859 |
| 1980 | 8/1/2012 | U2 | Drainage Channel | Fourstar | 330 | 3.0 oz. | 34.268897 | -118.908859 |
| 1980 | 8/1/2012 | M1 | Flood Channel | Altosid Pellets | 1720 | 3.6 oz. | 34.275987 | -118.875793 |
| 1980 | 8/2/2012 | K10 | Ret. Basin | Agnique MMF | 40 | 0.05 oz. | 34.263562 | -118.864123 |
| 1979 | 8/3/2012 | K8 | Ret. Basin | Vectomax CG | 49000 | 96.0 oz. | 34.268080 | -118.853804 |
| 1980 | 8/3/2012 | U1 | Flood Channel | G.B. 1111 | 460 | 4.5 oz. | 34.271236 | -118.903919 |
| 1980 | 8/3/2012 | U3 | Drainage Channel | Fourstar | 750 | 2.4 oz. | 34.270753 | -118.907052 |
| 1980 | 8/3/2012 | U1 | Flood Channel | Altosid Pellets | 4300 | 8.5 oz. | 34.271236 | -118.903919 |
| 1979 | 8/3/2012 | K8 | Ret. Basin | Agnique MMF | 3850 | 4.0 oz. | 34.268080 | -118.853804 |
| 1979 | 8/9/2012 | G8 | Drainage Channel | Agnique MMF | 200 | 0.2 oz. | 34.292812 | -118.845624 |
| 1979 | 8/9/2012 | G8 | Drainage Channel | Fourstar | 200 | 0.6 oz. | 34.292812 | -118.845624 |
| 1979 | 8/14/2012 | K8 | Ret. Basin | Agnique MMF | 480 | 0.5 oz. | 34.268080 | -118.853804 |

ATTACHMENT 3

Annual Report 2012

City of Moorpark, VC

Application Log for "Waters Of The US"

| | | | | | | | | | |
|------|------------|-----|--------------|-----------------|------|------|-----|-----------|-------------|
| 1979 | 8/17/2012 | H2 | Drainage Cha | G.B.1111 | 280 | 3.0 | oz. | 34,291917 | -118.850114 |
| 1979 | 8/23/2012 | G3 | Drainage Cha | G.B.1111 | 500 | 5.0 | oz. | 34,273385 | -118.898372 |
| 1980 | 8/23/2012 | N10 | Ret. Bas in | Fourstar | 420 | 1.3 | oz. | 34,298575 | -118.879559 |
| 1980 | 8/23/2012 | K10 | Ret. Bas in | Fourstar | 200 | 0.7 | oz. | 34,283562 | -118.824123 |
| 1980 | 8/23/2012 | N11 | Ret. Bas in | Alfosid Pellets | 1200 | 2.5 | oz. | 34,298318 | -118.882393 |
| 1980 | 8/23/2012 | N9 | Ret. Bas in | Alfosid Pellets | 475 | 1.0 | oz. | 34,297217 | -118.878930 |
| 1980 | 8/23/2012 | N9 | Ret. Bas in | G.B.1111 | 330 | 3.0 | oz. | 34,297217 | -118.878930 |
| 1980 | 8/23/2012 | N10 | Ret. Bas in | G.B.1111 | 420 | 4.0 | oz. | 34,298575 | -118.879559 |
| 1980 | 8/23/2012 | N11 | Ret. Bas in | G.B.1111 | 265 | 2.5 | oz. | 34,298318 | -118.882393 |
| 1980 | 8/23/2012 | N12 | Ret. Bas in | G.B.1111 | 180 | 2.0 | oz. | 34,297421 | -118.882397 |
| 1980 | 8/23/2012 | K10 | Ret. Bas in | G.B.1111 | 220 | 2.0 | oz. | 34,283562 | -118.824123 |
| 1980 | 8/28/2012 | K7A | Drainage Cha | Alfosid Pellets | 430 | 1.0 | oz. | 34,274598 | -118.872598 |
| 1979 | 8/28/2012 | J2 | Ret. Bas in | Alfosid Pellets | 255 | 0.5 | oz. | 34,278281 | -118.871555 |
| 1979 | 8/28/2012 | H2 | Drainage Cha | G.B.1111 | 330 | 3.0 | oz. | 34,291917 | -118.850114 |
| 1980 | 8/28/2012 | K3 | Ret. Bas in | G.B.1111 | 5100 | 50.0 | oz. | 34,268080 | -118.853804 |
| 1980 | 8/28/2012 | J2 | Ret. Bas in | G.B.1111 | 525 | 5.0 | oz. | 34,278738 | -118.873853 |
| 1980 | 8/28/2012 | K7A | Drainage Cha | G.B.1111 | 430 | 4.5 | oz. | 34,274598 | -118.872598 |
| 1980 | 8/28/2012 | J2 | Ret. Bas in | G.B.1111 | 110 | 1.0 | oz. | 34,278281 | -118.871555 |
| 1980 | 8/28/2012 | J3 | Ret. Bas in | Vectomax CG | 970 | 2.0 | oz. | 34,278738 | -118.873853 |
| 1980 | 8/31/2012 | U2 | Drainage Cha | Fourstar | 575 | 2.0 | oz. | 34,268897 | -118.908859 |
| 1980 | 8/31/2012 | U1 | Flood Channe | G.B.1111 | 420 | 4.0 | oz. | 34,271238 | -118.903919 |
| 1980 | 8/31/2012 | U2 | Drainage Cha | G.B.1111 | 400 | 4.0 | oz. | 34,268897 | -118.908859 |
| 1980 | 8/31/2012 | U2 | Drainage Cha | G.B.1111 | 290 | 2.0 | oz. | 34,270753 | -118.907052 |
| 1979 | 8/31/2012 | G3 | Drainage Cha | G.B.1111 | 415 | 4.0 | oz. | 34,273385 | -118.898372 |
| 1980 | 8/31/2012 | U2 | Drainage Cha | Vectomax CG | 1455 | 3.0 | oz. | 34,270753 | -118.907052 |
| 1980 | 9/2/2012 | M1 | Flood Channe | Vectolex CG | 2700 | 5.5 | oz. | 34,275997 | -118.875792 |
| 1979 | 9/5/2012 | K3 | Ret. Bas in | Vectolex CG | 1550 | 4.0 | oz. | 34,268080 | -118.853804 |
| 1980 | 9/3/2012 | M1 | Flood Channe | Vectomax CG | 2400 | 5.5 | oz. | 34,275997 | -118.875792 |
| 1980 | 9/3/2012 | M3 | Ret. Bas in | Vectomax CG | 110 | 0.2 | oz. | 34,275997 | -118.875792 |
| 1979 | 9/7/2012 | K3 | Ret. Bas in | G.B.1111 | 1100 | 10.0 | oz. | 34,268080 | -118.853804 |
| 1979 | 9/7/2012 | H2 | Drainage Cha | G.B.1111 | 320 | 3.0 | oz. | 34,291917 | -118.850114 |
| 1979 | 9/11/2012 | G3 | Drainage Cha | Fourstar | 1288 | 4.0 | oz. | 34,273385 | -118.898372 |
| 1980 | 9/17/2012 | K7A | Drainage Cha | Alfosid Pellets | 220 | 0.50 | oz. | 34,274598 | -118.872598 |
| 1980 | 9/17/2012 | J3 | Ret. Bas in | Vectomax CG | 7200 | 14.0 | oz. | 34,278738 | -118.873853 |
| 1980 | 9/17/2012 | J3 | Ret. Bas in | G.B.1111 | 1240 | 12.0 | oz. | 34,278738 | -118.873853 |
| 1980 | 9/17/2012 | K7A | Drainage Cha | G.B.1111 | 255 | 2.5 | oz. | 34,274598 | -118.872598 |
| 1979 | 9/19/2012 | K3 | Ret. Bas in | G.B.1111 | 970 | 10.0 | oz. | 34,268080 | -118.853804 |
| 1980 | 9/21/2012 | U2 | Drainage Cha | Fourstar | 335 | 0.9 | oz. | 34,268897 | -118.908859 |
| 1980 | 9/21/2012 | U1 | Flood Channe | G.B.1111 | 420 | 4.0 | oz. | 34,271238 | -118.903919 |
| 1980 | 9/21/2012 | U2 | Drainage Cha | G.B.1111 | 400 | 4.0 | oz. | 34,268897 | -118.908859 |
| 1980 | 9/21/2012 | U1 | Flood Channe | Vectomax CG | 4100 | 8.0 | oz. | 34,271238 | -118.903919 |
| 1980 | 9/21/2012 | U2 | Drainage Cha | Vectomax CG | 950 | 2.0 | oz. | 34,268897 | -118.908859 |
| 1980 | 9/24/2012 | N9 | Ret. Bas in | G.B.1111 | 445 | 4.0 | oz. | 34,297217 | -118.878930 |
| 1980 | 9/24/2012 | N10 | Ret. Bas in | G.B.1111 | 180 | 1.5 | oz. | 34,298575 | -118.879559 |
| 1980 | 9/24/2012 | N11 | Ret. Bas in | G.B.1111 | 210 | 2.0 | oz. | 34,298318 | -118.882393 |
| 1980 | 9/24/2012 | N12 | Ret. Bas in | G.B.1111 | 140 | 1.5 | oz. | 34,297421 | -118.882397 |
| 1979 | 9/24/2012 | H2 | Drainage Cha | G.B.1111 | 60 | 0.5 | oz. | 34,291917 | -118.850114 |
| 1980 | 9/24/2012 | N12 | Ret. Bas in | Vectomax CG | 475 | 1.0 | oz. | 34,297421 | -118.882397 |
| 1980 | 9/24/2012 | N9 | Ret. Bas in | Vectomax CG | 700 | 1.5 | oz. | 34,297217 | -118.878930 |
| 1980 | 10/1/2012 | J3 | Ret. Bas in | Vectomax CG | 120 | 0.3 | oz. | 34,278738 | -118.873853 |
| 1980 | 10/1/2012 | J3 | Ret. Bas in | Vectomax CG | 2350 | 5.0 | oz. | 34,278738 | -118.873853 |
| 1979 | 10/3/2012 | G3 | Drainage Cha | G.B.1111 | 280 | 3.0 | oz. | 34,292512 | -118.845824 |
| 1979 | 10/3/2012 | G3 | Drainage Cha | G.B.1111 | 710 | 7.0 | oz. | 34,273385 | -118.898372 |
| 1980 | 10/18/2012 | K7A | Drainage Cha | Fourstar | 320 | 0.3 | oz. | 34,274598 | -118.872598 |
| 1980 | 10/18/2012 | J2 | Ret. Bas in | G.B.1111 | 110 | 1.0 | oz. | 34,278281 | -118.871555 |
| 1980 | 10/18/2012 | J3 | Ret. Bas in | G.B.1111 | 525 | 5.0 | oz. | 34,278738 | -118.873853 |
| 1980 | 10/18/2012 | K7A | Drainage Cha | G.B.1111 | 320 | 0.9 | oz. | 34,274598 | -118.872598 |
| 1980 | 10/22/2012 | U2 | Drainage Cha | Fourstar | 550 | 2.0 | oz. | 34,268897 | -118.908859 |
| 1979 | 10/24/2012 | K3 | Ret. Bas in | G.B.1111 | 1020 | 10.0 | oz. | 34,268080 | -118.853804 |

Attachment 4

CITY OF MOORPARK VECTOR CONTROL
PESTICIDE APPLICATION & MONITORING SHEET

| | |
|---|--|
| Table 1. General Information | |
| ASSET ID# | M1 |
| MVCAC Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Mark Westerline |
| Application/Monitoring DATE(S) | 5/10/12-5/11/12 |
| LOCATION | MEAS Section 7 |
| LAT | 34.275 |
| LONG | -118.877 |
| II Time Record | 1 hour |
| Start | 11am |
| Stop | 12 noon |
| Total Time | 2 hours |
| Table 2. Water Body Type | |
| Flood Channel | Flood Channel |
| Table 3. Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | Rectangular |
| Flow Rate | 0 |
| Table 4. Surveillance | |
| Total Dips | 12 |
| Larvae Per Dip | 1 to 5 |
| Species | Culex poss Culex quinq. |
| Life Stage: E1-4 P/A | E-3rd Instar |
| Table 5. Pesticide | |
| Product used | Altosid Pellets |
| Reg. No | 2724-448 |
| Amount (oz.) | 3.5 oz. |
| Rate of Concentration | 2.5-10.0 lbs or 40-160 oz./acre or 1oz per 250-1000 sq.ft. |
| Target surface area | 1800 sq. ft. |
| Treatment Time | 1 hour |
| Table 6. Visual Observation Monitoring Part A (Before) | |
| Background (w ithin 24 hours prior to application) | |
| Date/Time: | 5/10/12 11am-noon |
| WEATHER | Sunny |
| Precipitation | 0 |
| TEMP | 75 F/ Warm/Mild |
| WIND | 13 mph S/Light Breeze |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present in Water | Aquatic Life |
| Table 7. Visual Observation Monitoring (Part B After) | |
| Event (w ithin 24 hours prior to application) | |
| Time: | 5/11/12 9am-10am |
| WEATHER | Overcast |
| Precipitation | 0 |
| TEMP | Cool |
| WIND | Calm |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present in Water | Aquatic Life |

Attachment 4

CITY OF MOORPARK VECTOR CONTROL CALIBRATION FORM
PESTICIDE APPLICATION & MONITORING SHEET

| | |
|--|---|
| Table 1: General Information | |
| ASSET ID# | U2 |
| MVCAC Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Mark Westerline |
| Application/Monitoring DATE(S) | 5/17/2012 |
| LOCATION | |
| LOC. | U2-Mtn.Meadows/A.S. Sec.#9 Drain |
| LAT. | 34.269 |
| LONG. | -118.905 |
| IT Time Record | .5 Hour |
| Start | 10:00 AM |
| Stop | 11:30 AM |
| Total Time | 2 hrs |
| Table 2: Water Body Type | |
| Flood Channel | Flood Channel |
| Table 3: Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | 940 sq. ft. |
| Flow Rate | Very Slow < 1 Gallon/Minute |
| Table 4: Surveillance | |
| Total Dips | 3 |
| Larvae Per Dip | 1 to 5 |
| Species | Culex quinq. and Culis. Inornata |
| Life Stage E1-4 PA | E1-E3 |
| Table 5: Pesticide | |
| Product used | Altosid Pellets |
| Reg. No | 2724-448 |
| Amount (oz.) | 2.0 oz. |
| Rate or Concentration | 2.5-10.0 lbs. or 40-160 oz./acre or 1oz per 250-1000 sq.ft. |
| Target surface area | 940 sq. ft. |
| Treatment Time | 1.5 hour |
| Table 6: Visual Observation Monitoring Part A. (Before) | |
| Background (within 24 hours prior to application) | |
| Time: | 10:00 AM |
| WEATHER | Partly Cloudy |
| Precipitation | 0 |
| TEMP | 70 F/ Partly Cloudy |
| WIND | <5 mph S/Light Breeze |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Murky |
| Present In Water | Aquatic Life/ Leaves/trash |
| Table 7: Visual Observation Monitoring (Part B After) | |
| Event (within 24 hours prior to application) | |
| Time: | 11:30 AM |
| WEATHER | Partly Cloudy |
| Precipitation | 0 |
| TEMP | 70 F/ Partly Cloudy |
| WIND | <5 mph S/Light Breeze |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Murky |
| Present In Water | Aquatic Life/ Leaves/trash |

Attachment 4

**CITY OF MOORPARK VECTOR CONTROL
PESTICIDE APPLICATION & MONITORING SHEET**

| | |
|---|--|
| Table 1. General Information | |
| ASSET ID# | Moorpark A2 |
| MVCA/C Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Loc Tran |
| Application/Monitoring DATE(S) | 6/12/2012 |
| LOCATION | A2 - No. 2 Cyn. FCC (Formerly Moorpark College FCC #2) |
| LAT. | 34.292 |
| LONG. | -118.8455 |
| IT Time Record | .5 hours |
| Start | 11:10am |
| Stop | 11:40am |
| Total Time | 1 hour |
| Table 2. Water Body Type | |
| Flood Channel | Flood Channel |
| Other | |
| Table 3. Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | Rectangular |
| Flow Rate | 2352 sq ft x (100 ft / 7.5 seconds) |
| Table 4. Surveillance | |
| Total Dips | 4 |
| Larvae Per Dip | Avg. 5 |
| Species | Culex |
| Life Stage E1-4 P A | E 1-4 instar P (All) |
| Table 5. Pesticide | |
| Product used | Golden Bear 1111 |
| Reg. No | 8329-72 |
| Amount (oz.) | 20oz |
| Rate or Concentration | 1oz/110 sq. ft. |
| Target surface area | 2352 sq ft |
| Treatment Time | 2mins 30 sec. (Spraying) Total 30 mn. |
| Table 6. Visual Observation Monitoring Part A (Before) | |
| Background (within 24 hours prior to application) | |
| Time: | 11:10am |
| WEATHER | Clear/Sunny |
| Precipitation | 0 |
| TEMP | 80-85F |
| WIND | <5 mph Calm |
| TESTER | Loc Tran |
| Water Color | Colorless |
| Water Clarity | Cloudy |
| Present In Water | Aquatic Life |
| Table 7. Visual Observation Monitoring (Part B After) | |
| Event (within 24 hours prior to application) | |
| Time: | 11:40am |
| WEATHER | Cool Clear |
| Precipitation | 0 |
| TEMP | 75-80F |
| WIND | <5 mph |
| TESTER | Loc Tran |
| Water Color | Colorless |
| Water Clarity | Cloudy |
| Present In Water | Aquatic Life/Sheen |

Attachment 4

| CITY OF MOORPARK VECTOR CONTROL PESTICIDE APPLICATION & MONITORING SHEET | |
|---|--|
| Table 1. General Information | |
| ASSET ID# | Moorpark G3 |
| MVCAC Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Loc Tran |
| Application/Monitoring DATE(S) | 6/28/2012 |
| LOCATION | G3- Strathearn Canyon FCC (Formerly Pecan Ave FCC) |
| LAT. | 34.292 |
| LONG. | -118.8427 |
| IT Time Record | .5 hours |
| Start | 1:20pm |
| Stop | 1:40pm |
| Total Time | 50 mins. |
| Table 2. Water Body Type | |
| Flood Channel | Flood Channel |
| Table 3. Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | Rectangular |
| Flow Rate | 110 sq ft x 20 sq ft = 2200 sq ft per 2200 sq ft / 43,560 sq ft = .051 Acre |
| Table 4. Surveillance | |
| Total Dips | 3 |
| Larvae Per Dip | Avg. 4 |
| Species | Culex |
| Life Stage E1-4 PA | 1-4 Instar |
| Table 5. Pesticide | |
| Product used | Vectomax CG |
| Reg. No | 73049-429 |
| Amount (oz.) | 6oz |
| Rate or Concentration | 1oz./500 sq.ft. |
| Target surface area | 2400 sq ft |
| Treatment Time | 40 sec. (Total 30 min.) |
| Table 6. Visual Observation Monitoring Part A (Before) | |
| Background (within 24 hours prior to application) | |
| Time: | 1:20pm |
| WEATHER | Clear/Sunny |
| Precipitation | 0 |
| TEMP | 80-85F |
| WIND | <5 mph |
| TESTER | Loc Tran |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present In Water | Bottom deposits |
| Table 7. Visual Observation Monitoring (Part B After) | |
| Event (within 24 hours prior to application) | |
| Time: | 1:40pm |
| WEATHER | clear/sunny |
| Precipitation | 0 |
| TEMP | 80-85F |
| WIND | <5 mph |
| TESTER | Loc Tran |
| Water Color | colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present In Water | Bottom deposits |

Attachment 4

**CITY OF MOORPARK VECTOR CONTROL
PESTICIDE APPLICATION & MONITORING SHEET**

| | |
|---|--|
| Table 1. General Information | |
| ASSET ID# | Moorpark J3 |
| MVCA C Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Mark Westerline |
| Application/Monitoring DATE(S) | 6/13/2012 |
| LOCATION | J3- Carlsberg Retention Basin |
| LAT. | 34.277 |
| LONG. | -118.8732 |
| IT Time Record | 5 hours |
| Start | 9:00 AM |
| Stop | 10:00 AM |
| Total Time | 1.5 hrs. |
| Table 2. Water Body Type | |
| Retention Basin/Reservoir | Retention Basin/Reservoir |
| Table 3. Total Water Body Surface Area and Volume | |
| Circular | X (both) |
| Square/Rectangular | X (both) |
| Flow Rate | 0 |
| Table 4. Surveillance | |
| Total Dips | 4 |
| Larvae Per Dip | 2 |
| Species | Cs. Incidens |
| Life Stage E1-4 PA | 2nd-4th Instar |
| Table 5. Pesticide | |
| Product used | Vectomax CG |
| Reg. No | 73049-429 |
| Amount (oz.) | 20 |
| Rate or Concentration | 5.5 lbs or 88 oz./acre or 1 oz./ 500 sq. ft. |
| Target surface area | 10200 sq. ft |
| Treatment Time | 1 hour |
| Table 6. Visual Observation Monitoring Part A (Before) | |
| Background (within 24 hours prior to application) | |
| Time: | 9:00 AM |
| WEATHER | Overcast |
| Precipitation | None |
| TEMP | Cool 70 F |
| WIND | Calm |
| TESTER | Mark Westerline |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present In Water | Aquatic Life |
| Table 7. Visual Observation Monitoring (Part B After) | |
| Event (within 24 hours prior to application) | |
| Time: | 10:00 AM |
| WEATHER | Overcast |
| Precipitation | None |
| TEMP | Cool |
| WIND | Calm |
| TESTER | Mark Westerline |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present In Water | Aquatic Life |

Attachment 4

**CITY OF MOORPARK VECTOR CONTROL
PESTICIDE APPLICATION & MONITORING SHEET**

| | |
|---|--|
| Table 1. General Information | |
| ASSET ID# | Moorpark M1 |
| MVCAC Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Mark Westerline |
| Application/Monitoring DATE(S) | 6/15/2012 |
| LOCATION | M1-AS Section 7 |
| LAT. | 34.275 |
| LONG. | -118.877 |
| IT Time Record | .5 hr |
| Start | 10:30 AM |
| Stop | 11:45 AM |
| Total Time | 1.75 hours |
| Table 2. Water Body Type | |
| Flood Channel | Flood Channel |
| Table 3: Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | Rectangular |
| Flow Rate | 0 |
| Table 4. Surveillance | |
| Total Dips | 5 |
| Larvae Per Dip | 0 to 3 |
| Species | Culex poss Culex quinq. |
| Life Stage E1-4 PA | E-3rd Instar |
| Table 5. Pesticide | |
| Product used | Altosid Pellets |
| Reg. No | 2724-448 |
| Amount (oz.) | 2.0 oz. |
| Rate or Concentration | 2.5-10.0 lbs or 40-160 oz./acre or 1oz per 250-1000 sq.ft. |
| Target surface area | 950 sq. ft. |
| Treatment Time | .5 hour |
| Table 6. Visual Observation Monitoring Part A (Before) | |
| Background (within 24 hours prior to application) | |
| Date/Time: | 10:30 AM |
| WEATHER | Partly Cloudy |
| Precipitation | 0 |
| TEMP | 75 F/ Warm/Mild |
| WIND | <5 mph S/Light Breeze |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present In Water | Aquatic Life |
| Table 7. Visual Observation Monitoring (Part B After) | |
| Event (within 24 hours prior to application) | |
| Time: | 11:45 AM |
| WEATHER | Partly Cloudy |
| Precipitation | 0 |
| TEMP | 75 F/ Warm/Mild |
| WIND | <5 mph S/Light Breeze |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Clear/(Bottom Visible) |
| Present In Water | Aquatic Life |

Attachment 4

CITY OF MOORPARK VECTOR CONTROL
PESTICIDE APPLICATION & MONITORING SHEET

| | |
|---|---|
| Table 1. General Information | |
| ASSET ID# | Moorpark U2 |
| MVCAC Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Mark Westerline |
| Application/Monitoring DATE(S) | 6/21/2012 |
| LOCATION | U2=Mtn Meadows/A.S. Sec.#9 Drain |
| LAT. | 34.269 |
| LONG. | -118.905 |
| IT Time Record | .5 hour |
| Start | 11:30am |
| Stop | 12:30pm |
| Total Time | 1.5 hours |
| Table 2. Water Body Type | |
| Flood Channel | Flood Channel |
| Table 3. Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | 750 sq. ft. |
| Flow Rate | Very Slow < 1 Gallon/Minute |
| Table 4. Surveillance | |
| Total Dips | 5 |
| Larvae Per Dip | 3 to 12 |
| Species | Culex quinq. |
| Life Stage E1-4 PA | E-3rd Instar |
| Table 5. Pesticide | |
| Product used | Fourstar 45 Day Briquets |
| Reg. No | 83362-3 |
| Amount (oz.) | 2.3 oz. |
| Rate or Concentration | 3.5 oz./100 sq. ft. |
| Target surface area | 750 sq. ft. |
| Treatment Time | .75 hr |
| Table 6. Visual Observation Monitoring Part A (Before) | |
| Background (within 24 hours prior to application) | |
| Time: | 11:30am |
| WEATHER | Clear/Sunny |
| Precipitation | 0 |
| TEMP | Warm/Mild |
| WIND | < 10 mph |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Cloudy |
| Present In Water | Aquatic Life/Floating or Suspended Matter (leaves & litter) |
| Table 7. Visual Observation Monitoring (Part B:After) | |
| Event (within 24 hours prior to application) | |
| Time: | 12:30pm |
| WEATHER | Clear/Sunny |
| Precipitation | 0 |
| TEMP | Warm/Mild |
| WIND | < 10 mph |
| TESTER | MW |
| Water Color | Colorless |
| Water Clarity | Cloudy |
| Present In Water | Aquatic Life/Floating or Suspended Matter (leaves & litter) |

Attachment 4

| CITY OF MOORPARK VECTOR CONTROL PESTICIDE APPLICATION & MONITORING SHEET | |
|---|---|
| Table 1: General Information | |
| ASSET ID # | Moorpark A2 |
| MVCAG Member Agency | CITY OF MOORPARK VECTOR CONTROL |
| Applicator Name | Loc Tran |
| Application/Monitoring DATE(S) | 7/6/2012 |
| LOCATION | A2 - No. 2 Cyn. FCC (Formerly Moorpark College FCC#2) |
| LAT. | 34.292 |
| LONG. | -118.8455 |
| IT Time Record | .5 hours |
| Start | 11:10am |
| Stop | 11:40am |
| Total Time | 1 hour |
| Table 2: Water Body Type | |
| Flood Channel | Flood Channel |
| Table 3: Total Water Body Surface Area and Volume | |
| Circular | |
| Square/Rectangular | Rectangular |
| Flow Rate | <5 GPM |
| Table 4: Surveillance | |
| Total Dips | 4 |
| Larvae Per Dip | 5 |
| Species | Culex |
| Life Stage E1-4 PA | E1-3 instar |
| Table 5: Pesticide | |
| Product used | Vectomax CG |
| Reg. No | 73049-429 |
| Amount (oz.) | 0.5 oz. |
| Rate or Concentration | 5:5 lbs or 88 oz./acre or 1 oz./500 sq. ft. |
| Target surface area | 200 sq ft |
| Treatment Time | 10 minutes/30 min. total |
| Table 6: Visual Observation Monitoring Part A (Before) | |
| Background (within 24 hours prior to application) | |
| Time: | 11:10am |
| WEATHER | Clear/Sunny |
| Precipitation | 0 |
| TEMP | 80-85F |
| WIND | <5 mph Calm |
| TESTER | Loc Tran |
| Water Color | Colorless |
| Water Clarity | Cloudy |
| Present In Water | Aquatic Life/Algae |
| Table 7: Visual Observation Monitoring (Part B After) | |
| Event (within 24 hours prior to application) | |
| Time: | 11:40am |
| WEATHER | Clear/Sunny |
| Precipitation | 0 |
| TEMP | 80-85F |
| WIND | <5 mph Calm |
| TESTER | Loc Tran |
| Water Color | Colorless |
| Water Clarity | Cloudy |
| Present In Water | Aquatic Life/Algae |