

ATTACHMENT G – NOTICE OF INTENT

**WATER QUALITY ORDER NO. 2011-0002-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 <input checked="" type="checkbox"/> A. New Applicator <input type="checkbox"/> B. Change of Information: WDID# _____
<input type="checkbox"/> C. Change of ownership or responsibility: WDID# _____

II. DISCHARGER INFORMATION

A. Name KERN MOSQUITO & VECTOR CONTROL DISTRICT			
B. Mailing Address 4705 Allen Road			
C. City Bakersfield	D. County Kern	E. State California	F. Zip Code 93314
G. Contact Person Rob Quiring	H. Email address robquiring@sbcglobal.net	I. Title Manager	J. Phone 661-589-2744

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 Code
G. Email address	H. Title	I. Phone	

IV. RECEIVING WATER INFORMATION

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

1. Canals, ditches, or other constructed conveyance facilities owned and controlled by Discharger.
 Name of the conveyance system: _____

2. Canals, ditches, or other constructed conveyance facilities owned and controlled by an entity other than the Discharger.
 Owner's name: see attached sheet
Name of the conveyance system: _____

3. Directly to river, lake, creek, stream, bay, ocean, etc.
 Name of water body: Kern River, Poso Creek, Goose Lake Slough

* 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 5
(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: Vector Larvae Adult Vector

B. Pesticides Used: List name, active ingredients and, if known, degradation by-products

Please see attached sheet number G2-V (Pesticides Used)

C. Period of Application: Start Date January 1, 2011 End Date December 31, 2011

D. Types of Adjuvants Added by the Discharger:

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 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: Rob Quiring

B. Signature: *Rob Quiring*

Date: 06/03/11

C. Title: District Manager

X. FOR STATE WATER BOARD USE ONLY

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

IV. RECEIVING WATER INFORMATION - - supplemental page

A. Pesticide Residues Discharge to (check all that apply)*:

2. Canals, ditches, or other constructed conveyance facilities owned and/or controlled by an entity other than the Discharger.

* Notice: The District does not routinely make applications to canals or ditches. Dirt-lined canals or ditches may require attention if heavily vegetated or if water flow is minimal (or stopped) such as in the Fall when there is no longer an irrigation demand. Concrete canals may require spot treatments when water flow is minimal or when flow has been terminated and water becomes stagnant.

Name of Conveyance:

Owner/Operator:

Arvin-Edison Canal	Arvin/Edison Water Storage District
Beardsley Canal	North Kern Water Storage District
Calloway Canal	North Kern Water Storage District
Lerdo Canal	North Kern Water Storage District
East-Side Canal (Buttonwillow)	Buena Vista Water Storage District
West-Side Canal	Buena Vista Water Storage District
Main Drain Canal	Buena Vista Water Storage District
Cawelo Canal	Cawelo Water Storage District
Kern Island Canal	Kern Delta Water District
Farmer's Canal	Kern Delta Water District
Buena Vista Canal	Kern Delta Water District
East-Side Canal	Kern Delta Water District
Stine Canal	Kern Delta Water District

Pesticide Application Information - Attachment G - Notice of Intent

V-B. Pesticide Application Information - Pesticides Used:

A. Larvicides:

<u>Name</u>	<u>Active Ingredient</u>
Agnique MMF liquid	Poly (oxy-1,2ethanedly), a-w-hydroxy
Agnique pouches	Poly (oxy-1,2ethanedly),a-w-hydroxy
Altosid ALL Concentrate	S-methoprene
Altosid XRG (granules)	S-methoprene
Altosid WSP (pouches)	S-methoprene
Altosid XR (briquets)	S-methoprene
Altosid Pellets	S-methoprene
BVA-2 oil	Refined petroleum distillate
Fourstar briquets	Bacillus thuringiensis israelensis,Bacillus sphaericus
Natular 2EC	Spinosad
Natular XRT	Spinosad
Vectobac 12AS	Bacillus thuringiensis israelensis
Vectobac Technical Powder	Bacillus thuringiensis israelensis
Vectobac WDG (granules)	Bacillus thuringiensis israelensis
Vectomax WSP (pouches)	Bacillus thuringiensis israelensis,Bacillus sphaericus
Vectolex WDG (granules)	Bacillus sphaericus

B. Adulticides:

<u>Name</u>	<u>Active Ingredient</u>
Aquahalt	Pyrethrins/Piperonyl butoxide, technical
AquaAnvil	Sumithrin/Piperonyl butoxide, technical
Aqualuer	Permethrin/Piperonyl butoxide, technical
Duet	Prallethrin/Sumithrin/Piperonyl butoxide technical
Pyrenone Crop Spray	Pyrethrins/Piperonyl butoxide, technical
Pyrenone 25-5	Pyrethrins/Piperonyl butoxide, technical
Pyronyl	Pyrethrins/Piperonyl butoxide, technical
Zenivex	Etofenprox

General NPDES Permit For Residual Pesticide
Discharges From Vector Control Applications
Kern Mosquito & Vector Control District
4705 Allen Road, Bakersfield, CA 93314

Order No. 2011
NPDES No.

VII. NOTIFICATION - - supplemental page

Listing of governmental agencies that might be potentially affected by this NPDES permit and were therefore notified;

City Manager	City of Bakersfield	Bakersfield, CA
Chairman	Kern County Board of Supervisors	Bakersfield, CA
Manager	Kern National Wildlife Refuge	Delano, CA

Notice of Intent - - Attachment to page G-2

TRUSTEES

STEVE FRANETOVICH
RICHARD FREELAND
ROY JOHNSON
MORRIS MAHLMANN
ROBERT MAYBORN
WILLIAM PROUT
BOB RODRIGUEZ
J.B. SELVIDGE

KERN

MOSQUITO AND VECTOR CONTROL DISTRICT

DISTRICT OFFICE

4705 ALLEN RD. BAKERSFIELD, CALIFORNIA 93314

PH: (661) 589-2744 FAX: (661) 589-4913 E MAIL: kmvcd@sbcglobal.net

March 21, 2011

Supervisor Mike Maggard
Chairman, Kern County Board of Supervisors
1115 Truxtun Ave., 5th Floor
Bakersfield, California 93301

RE: Notice of possible pesticide applications as required by the National Pollutant
Discharge Elimination System (NPDES) Permit

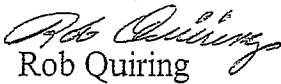
Chairman Maggard:

As you may know, in January of 2009, the U.S. Sixth Circuit Court of Appeals ruled that dischargers making pesticide applications to "waters of the United States" are required to obtain a NPDES permit. The Sixth Circuit Court then granted the U.S. Environmental Protection Agency a two-year stay of the ruling in order to allow the EPA time to develop a permit. The stay will expire on April 9th, 2011.

One of the requirements of the Permit is that agencies (who make pesticide applications to aquatic sites that might be considered "waters of the U.S.") must notify government agencies who may be affected by these applications. Since the District makes seasonal applications of pesticides to areas within the County's jurisdiction that might be considered "waters of the United States", we are required to give you formal, written notice.

In summary, the District will now be required to obtain a permit in order to make pesticide applications to "waters of the U.S." - applications it has been making in certain areas of the County since 1917.

Sincerely,


Rob Quiring
District Manager

Attachment G - Notice of Intent, Section VII,
Notification

TRUSTEES

STEVE FRANETOVICH
RICHARD FREELAND
ROY JOHNSON
MORRIS MAHLMANN
ROBERT MAYBORN
WILLIAM PROUT
BOB RODRIGUEZ
J.B. SELVIDGE

MANAGER
ROBERT A. QUIRING
SUPERINTENDENT
GENE ABBOTT

KERN
MOSQUITO AND VECTOR CONTROL DISTRICT

DISTRICT OFFICE

4705 ALLEN RD. BAKERSFIELD, CALIFORNIA 93314

PH: (661) 589-2744 FAX: (661) 589-4913 E MAIL: kmvcd@sbcglobal.net

March 21, 2011

Mr. Dave Hardt, Refuge Manager
Kern National Wildlife Refuge
P. O. Box 670
Delano, California 93216

RE: Notice of possible pesticide applications as required by the National Pollutant
Discharge Elimination System (NPDES) Permit

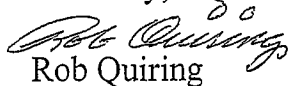
Dave:

As you may know, in January of 2009, the U.S. Sixth Circuit Court of Appeals ruled that dischargers making pesticide applications to "waters of the United States" are required to obtain a NPDES permit. The Sixth Circuit Court then granted the U.S. Environmental Protection Agency a two-year stay of the ruling in order to allow the EPA time to develop a permit. The stay will expire on April 9th, 2011.

One of the requirements of the Permit is that agencies (who make pesticide applications to aquatic sites that might be considered "waters of the U.S.") must notify government agencies who may be affected by these applications. Since the District makes seasonal applications of pesticides to areas within the Refuge's jurisdiction that might be considered "waters of the United States", we are required to give you formal, written notice.

In summary, the District will now be required to obtain a permit in order to make pesticide applications to "waters of the U.S." - applications it has been making in certain areas since 1917.

Sincerely,


Rob Quiring
District Manager

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ROBERT MAYBORN
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BOB RODRIGUEZ
J.B. SELVIDGE

MANAGER
ROBERT A. QUIRING

SUPERINTENDENT
GENE ABBOTT

KERN
MOSQUITO AND VECTOR CONTROL DISTRICT

DISTRICT OFFICE

4705 ALLEN RD. BAKERSFIELD, CALIFORNIA 93314

PH: (661) 589-2744 FAX: (661) 589-4913 E MAIL: kmvcd@sbcglobal.net

March 21, 2011

Mr. Alan Tandy, City Manager
City Hall North
1600 Truxtun Ave., 5th Floor
Bakersfield, CA 93301

RE: Notice of possible pesticide applications as required by the National Pollutant Discharge Elimination System (NPDES) Permit

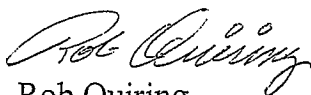
Mr. Tandy:

As you may know, in January of 2009, the U.S. Sixth Circuit Court of Appeals ruled that dischargers making pesticide applications to "waters of the United States" are required to obtain a NPDES permit. The Sixth Circuit Court then granted the U.S. Environmental Protection Agency a two-year stay of the ruling in order to allow the EPA time to develop a permit. The stay will expire on April 9th, 2011.

One of the requirements of the Permit is that agencies (who make pesticide applications to aquatic sites that might be considered "waters of the U.S.") must notify government agencies who may be affected by these applications. Since the District makes seasonal applications of pesticides to areas within the City's jurisdiction that might be considered "waters of the United States", we are required to give you formal, written notice.

In summary, the District will now be required to obtain a permit in order to make pesticide applications to "waters of the U.S." - applications it has been making in certain areas since 1917.

Sincerely,



Rob Quiring
District Manager

PESTICIDE ACTION PLAN

1. Description of target areas:

Please see District map which has been attached to this document.

2. 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.

3. Pesticide products or types expected to be used and if known, their degradation by-products, the method in which they are applied, and if applicable, the adjuvants and surfactants used: Please see Attachments "E" and "F" within NPDES Permit for Biological and Residual Pesticide Discharges to Waters of the U.S. for Vector Control Applications. Products may be applied by hand, truck, backpack, hand can, helicopter, or airplane according to label directions.

4. Description of all the application areas and the target areas in the system that are being planned to be applied or may be applied. Provide a map showing these areas: Any site that holds water for more than 96 hours (4 days) can produce mosquitoes. Source reduction is the Kern Mosquito and Vector Control District's preferred solution, and whenever possible the agency works with property owners to affect 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 this agency include: (seasonal) duck clubs, residential storm drain basins, agricultural sumps and ditches, non-maintained swimming pools, pastures, irrigated crops, livestock watering troughs and standing curb water. During years of above-average rainfall (about every four or five years in Kern County), certain water bodies such as the Kern River, Poso Creek and Goose Lake Slough will have variable amounts of water flow. These water bodies are heavily vegetated and can breed mosquitoes in certain areas. Please see District Boundary Map.

5. Other control methods used (alternatives) and their limitations: With any source of mosquitoes or other vectors, the Kern Mosquito and Vector Control District's first goal is to look for ways to eliminate the source, or if that is not possible, for ways to reduce the

potential for vectors. The most commonly used methods and their limitations are included in the Best Management Practices for Mosquito Control in California. Specific methods used by this agency include stocking permanent or semi-permanent water sources with mosquito fish, educating residents that mosquitoes develop in standing water and encouraging them to remove sources of standing water on their property, and working with property owners to find long-term water management strategies that meet their needs while minimizing the need for public health pesticide applications.

6. **How much product is needed and how this amount was determined:** The need to apply material is determined by surveillance. Actual use varies annually depending upon mosquito abundance and/or encephalitis virus activity. The pesticide amounts presented on the (attached) Pesticide Use Report are for 2010. Keep in mind that the totals include all applications (District-wide) and not just applications to “waters of the United States”. The number of applications made each year greatly depends upon the amount of rainfall or snowpack received during the winter and the amount of virus activity present.

7. **Representative monitoring locations and the justification for selecting these monitoring locations:** Please see the MVCAC’s NPDES Coalition Monitoring Plan.

8. **Evaluation of available BMPs to determine if there are feasible alternatives to the selected pesticide application project that could reduce potential water quality impacts:** Please see the Best Management Practices for Mosquito Control in California.

9. **Description of the BMPs to be implemented. The BMPs shall include at a minimum:** The Kern Mosquito and Vector Control District’s BMPs are described in the Best Management Practices for Mosquito Control in California and in the California Mosquito-borne Virus Surveillance and Response Plan. Specific elements have been highlighted below under items a-f.
 - a. **Measures to prevent pesticide spill:** All pesticide applicators receive annual spill prevention and response training. District employees ensure daily that application equipment is in proper working order. Spill mitigation devices are available in order to respond to spills in storage areas or from vehicles.

- b. Measures to ensure that only a minimum and consistent amount is used:**
Application equipment is calibrated at least annually as required by the Department of Pesticide Regulations (DPR) and the terms of a Cooperative Agreement with the California Department of Public Health (CDPH).
- c. A plan to educate Coalition's or Discharger's staff and pesticide applicator on any potential adverse effects to waters of the U. S. from the pesticide application:** This will be included in our pesticide applicator's annual pesticide application and safety training, continuing education programs, and/or regional NPDES Permit training programs.
- d. Descriptions of specific BMPs for each application mode, e.g. aerial, truck, hand, etc.:** The Kern Mosquito & Vector Control District calibrates truck-mounted and handheld larviciding equipment each year to meet application specifications. Supervisors review application records daily to ensure appropriate amounts of material are being used. Ultra-low volume (ULV) application 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 agency to ensure droplets meet label requirements. Airplanes used in urban ULV applications are equipped with advanced guidance and drift management equipment to ensure the best available technology is being used to place product in the intended area.
- e. Descriptions of specific BMPs for each pesticide product used:** Please see the Best Management Practices for Mosquito Control in California for general pesticide application BMPs, and the current approved pesticide labels for application BMPs for specific products.
- f. Descriptions of specific BMPs for each type of environmental setting (agricultural, urban, and wetland):** Please see the Best Management Practices for Mosquito Control in California.

10. Identification of the problem - Prior to first pesticide application covered under this General Permit that will result in a discharge of biological and 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. If applicable, establish densities for larval and adult vector populations to serve as action threshold(s) for implementing pest management strategies:

The Kern Mosquito & Vector Control District's staff only apply pesticides to sources of mosquitoes that represent imminent threats to public health or quality of life. The presence of any mosquito may necessitate treatment, however higher thresholds may be applied depending on the agency's resources, disease activity, surveillance data, 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 development 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: Any site that holds water for more than 96 hours (four days) can produce mosquitoes. Source reduction is an agency's preferred solution, and whenever possible the agency works with property owners to implement long-term solutions to reduce or eliminate the need for continued pesticide applications as described in the 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 this agency uses. The Kern Mosquito and Vector Control District continually collects adult and larval mosquito surveillance data, dead bird reports, and sentinel chicken test results, and monitors regional mosquito-borne disease activity detected in humans, horses, birds, and/or other animals, and uses these data to guide mosquito control activities.

11. Examination of Alternatives. Dischargers shall continue to examine alternatives to pesticide use in order to reduce the need for applying larvicide that contain temephos and for spraying adulticides. Such methods include:

a. Evaluating the following management options, in which the impact to water quality, impact to non-target organisms, vector resistance, feasibility, and cost effectiveness should be considered:

- > No action
- > Prevention
- > Mechanical or physical methods
- > Cultural methods
- > Biological control agents
- > Pesticides

If there are no alternatives to pesticides, dischargers shall use the least amount of pesticide necessary to effectively control the target pest. First of all, pesticides are expensive - public agencies in California do not make applications just for the fun of it. The Kern Mosquito and Vector Control District uses the principles and practices of Integrated Vector Management (IVM) as described on pages 26 and 27 of the Best Management Practices for Mosquito Control in California. As stated in item #10 above, locations where vectors may exist are assessed, and the potential for using alternatives to pesticides is determined on a case-by-basis. Commonly considered alternatives include: 1) Eliminate artificial sources of standing water; 2) Ensure temporary sources of surface water drain within four days (96 hours) to prevent adult mosquitoes from developing; 3) Control plant growth in ponds, ditches, and shallow wetlands; 4) Design facilities and water conveyance and/or holding structures to minimize the potential for producing mosquitoes; and 5) Use appropriate biological control methods that are available. The District has a Source Reduction Specialist on staff (see attachment) whose job duties include providing consultation to property owners on effective land and water management in order to reduce or eliminate mosquito producing sources.

Implementing preferred alternatives depends upon a variety of factors including availability of agency resources, cooperation with stakeholders, coordination with other regulatory

agencies, and the anticipated efficacy of the alternative. If a pesticide-free alternative does not sufficiently reduce the risk to public health, pesticides are considered, beginning with the least amount necessary to effectively control the target vector.

- b. Applying pesticides only when vectors are present at a level that will constitute a nuisance:** The Kern Mosquito and Vector Control District follows an existing IVM program which includes practices described in the California Mosquito-borne Virus Surveillance and Response Plan and Best Management Practices for Mosquito Control in California.

A “nuisance” is specifically defined in California Health and Safety Code (HSC) -2002(j). This definition allows vector control agencies to address situations where even a low number of vectors may pose a substantial threat to public health and quality of life. In practice, the definition of a “nuisance” is generally only part of a decision to apply pesticides to areas covered under this permit. As summarized in the California Mosquito-borne Virus Surveillance and Response Plan, the overall risk to the public when vectors and/or vector - borne disease are present is used to select an available and appropriate material, rate, and application method to address that risk in the context of our IVM program.

- 12. Correct Use of Pesticides: Coalition’s or Discharger’s use of pesticides must ensure that all reasonable precautions are taken to minimize the impacts caused by pesticide applications. Reasonable precautions include using the right spraying techniques and equipment, taking account of weather conditions and the need to protect the environment:** This is an existing practice of the Kern Mosquito and Vector Control District, 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.
- 13. If applicable, specify a website where public notices, required in Section VIII.B, may be found:** The District currently does not have a website, but is in the process of developing one.

References

1) 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.westnile.ca.gov/resources.php> under the heading Mosquito Control and Repellent information. Copies may be requested by calling the California Department of Public Health---Vector-borne Disease Section at (916)552-9730 or the Kern Mosquito and Vector Control District at (661)589-2744.

2) California Mosquito-borne Virus Surveillance and Response Plan. 2010. [This document is updated annually by CDPH] Available by download from the California Department of Public Health---Vector-Borne Disease Section at <http://westnile.ca.gov/resources.php> under the heading *Response Plans and Guidelines*. Copies may be requested by calling the California Department of Public Health---Vector-borne Disease Section at (916)552-9730 or the Kern Mosquito and Vector Control District at (661)589-2744.

3) MVCAC NPDES Coalition Monitoring Plan. 2011.

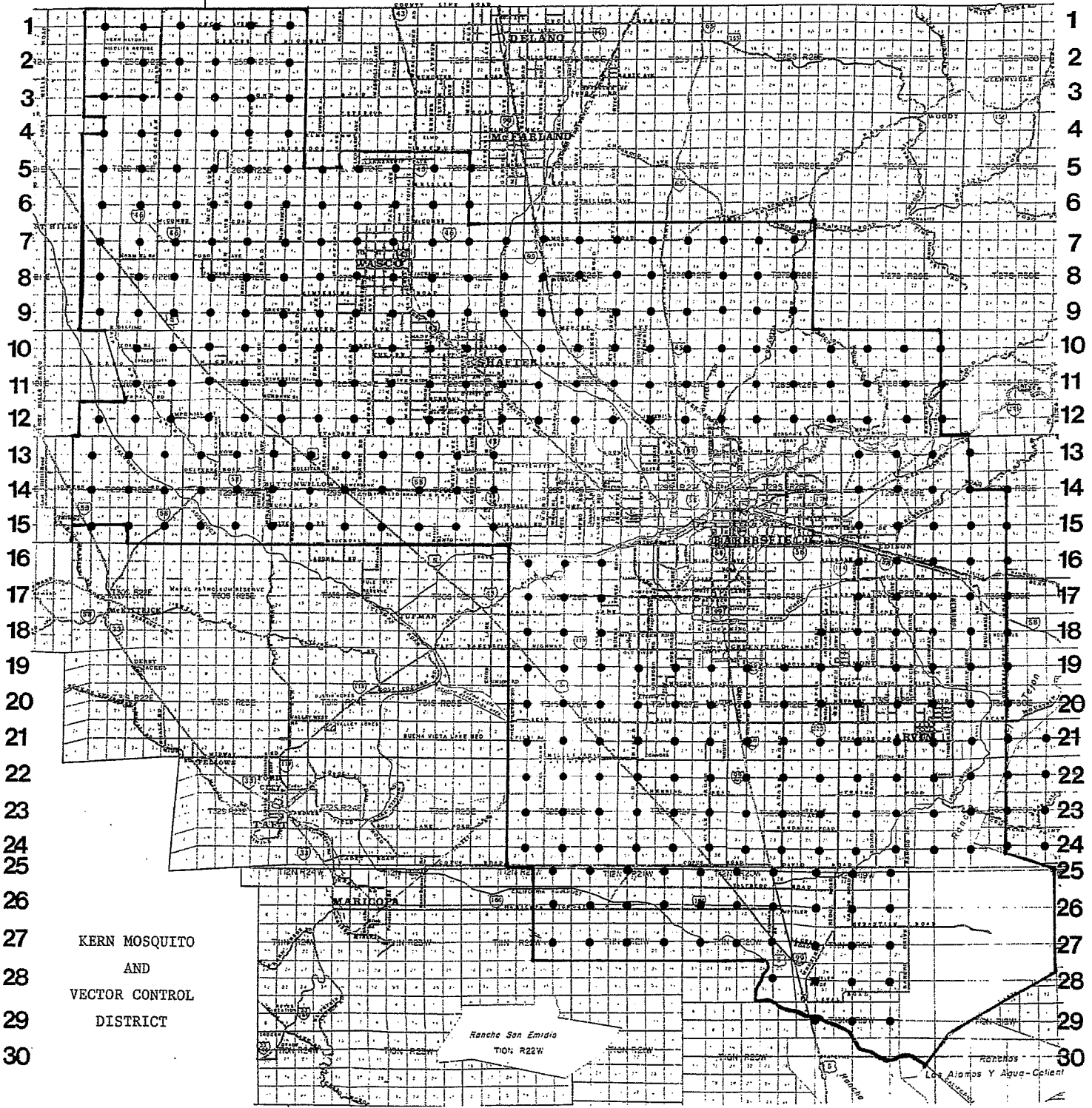
4) Job Description: Source Reduction Specialist

5) Pesticide Use Report for 2010.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

T Y

T U L A R E



KERN MOSQUITO
AND
VECTOR CONTROL
DISTRICT

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

DATE: 01/07/11 @ 10:50

KERN MOSQUITO AND VECTOR CONTROL DISTRICT
ANNUAL CHEMICAL USAGE FOR -10

RPT E-7 -PAGE 1

CHEMICAL	FORM-L/D	REGISTRATION	USED	COST	USED	COST
AGNIOUQ MMF	0.000-L	53263-28	273,815.500000 OUNCE	78,732.64	2,139.180000 GALLON	78,732.64
AGNIOUQ MMF G	0.000-D	53263-30	0.000000 OUNCE	0.00	0.000000 POUND	0.00
ALTOCID ALL	15.000-L	2124-392-64833	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
ALTOCID BRIQUETS	7.880-D	2124-375-64833	10.000000 BRIQ.	10.08	0.030000 CASE	10.08
ALTOCID CONC.	1.720-L	2124-446-64833	14,572.200000 OUNCE	108,941.99	113.850000 GALLON	108,941.99
ALTOCID PELLETS	0.000-D	2124-448-64833	432.270000 OUNCE	732.61	27.020000 POUND	732.61
ALTOCID WSP	0.000-D	2124-448	84,587.000000 PACKET	65,927.11	1,863.150000 POUND	65,927.11
ALTOCID XR	0.000-D	2124-421	6,738.000000 BRIQ.	21,589.93	30.830000 CASE	21,589.93
ALTOCID XR-G	1.500-D	2124-451	4,711.500000 OUNCE	2,518.22	294.470000 POUND	2,518.22
AOUA ANVIL	0.000-L	1021-1807-8329	33,460.000000 OUNCE	67,208.73	261.410000 GALLON	67,208.73
AOUA-RESLIN	1.670-L	432-796	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
AOUAHALI	0.000-L	1021-1803-8329	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
AOUALUER 20-20	0.000-L	769-985	13,533.000000 OUNCE	21,173.07	105.730000 GALLON	21,173.07
AOUAMASTER	0.000-L	524-343	3,904.000000 OUNCE	2,179.08	30.500000 GALLON	2,179.08
BVA 2	0.000-L	70589-1	1,980.836750000 OUNCE	122,350.34	15,475.290000 GALLON	122,350.34
DUET	0.000-L	1021-1795-8329	539.250000 OUNCE	747.55	4.210000 GALLON	747.55
GB OIL 1111	1.000-L	071236-1	39,467.000000 OUNCE	2,348.37	308.340000 GALLON	2,348.37
GLYFOS AQUATIC	5.380-L	4787-34	3,770.000000 OUNCE	1,585.22	29.450000 GALLON	1,585.22
NATULAR 2EC	0.000-L	8329-82	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
NO FOAM A	0.000-L	1050775-500155-AA	4,997.630000 OUNCE	874.45	39.040000 GALLON	874.45
PY-RIN 60-6 EC	0.500-L	1021-1091-2935	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
PYRENONE 25-5	5.000-L	432-1050	83.530000 OUNCE	86.90	0.650000 GALLON	86.90
PYRENONE CROP SP	0.480-L	432-1033	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
PYROCID-FOGGING	0.000-L	1021-1569	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
PYRONYL OIL CONC	0.000-L	655-471	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
ROUND UP	4.000-L	524-445	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
ROUNDUP PRO	0.000-L	524-475	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
SCOURGE	1.510-L	432-716	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
SPHERATAX SPH	0.000-D	84268-2	256.000000 OUNCE	115.88	16.000000 POUND	115.88
SURELAN	0.000-L	1471-113	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
TEKMAR HPD	11.200-L	70051-51	0.000000 OUNCE	0.00	0.000000 GALLON	0.00
VECTOBAC 12AS	4.550-L	73049-38	752,298.880000 OUNCE	182,658.92	5,877.330000 GALLON	182,658.92
VECTOBAC TP	0.150-D	73049-13	1,751.040000 OUNCE	4,974.50	109.440000 POUND	4,974.50

DATE: 01/07/11 @ 10:50

KERN MOSQUITO-AND VECTOR-CONTROL DISTRICT
ANNUAL CHEMICAL USAGE FOR -10

RPT E-7

-PAGE 2

CHEMICAL	FORM-L/D	REGISTRATION	USED	COST	USED	COST
VECTOBAC MDG	37.400-D	73049-56	0.000000 OUNCE	\$ 0.00	0.000000 POUND	\$ 0.00
VECTOLEX MDG	51.200-D	73049-57	440.000000 OUNCE	\$ 1,405.98	27.500000 POUND	\$ 1,405.98
VECTOLEX WSP	7.500-D	73049-20	142.000000 PACKET	\$ 141.60	3.130000 POUND	\$ 141.60
VECTOMAX WSP	7.200-D	73049-429	3.842.000000 PACKET	\$ 7,215.81	84.630000 POUND	\$ 7,215.81
ZENIVEX E20	1.480-L	2724-791	5.988.000000 OUNCE	\$ 16,364.89	46.630000 GALLON	\$ 16,364.89

----- END OF REPORT ----- \$ 709,883.84

\$ 709,883.84

Kern Mosquito And Vector Control District

SOURCE REDUCTION SPECIALIST

Definition:

Under direction, the Source Reduction Specialist will assist in administering the Source Reduction Program of the District by providing consultation to property owners on effective land and water management in order to reduce or eliminate mosquito producing sources.

Essential Functions:

- > Conducts studies of individual mosquito breeding areas including: types of soils, surface grades, land use and water management practices.
- > Prepares reports regarding mosquito breeding sources and recommends source reduction techniques such as controlled irrigation, surface grading, installation of drains and/or return systems.
- > Works with farmers and other property owners to facilitate proper water management and land changes to reduce mosquito breeding sources.
- > Keeps accurate records of contacts made and progress achieved in problem areas in the District.
- > Reports to the District's Board of Trustees when necessary regarding property owners who refuse to cooperate with the District's recommendations regarding the reduction or elimination of mosquito breeding sources.

Other Functions:

- > Instructs mosquito control operators in the proper approaches and techniques involved in source reduction.
- > Works as an inspector and mosquito control operator when necessary.
- > Assists the District's entomologist when necessary.
- > Performs other job-related duties as assigned.

Employment Standards:

- > Graduation from high school or equivalent.
- > Knowledge of : mosquito ecology and mosquito abatement methods; agricultural land use and water management practices.
- > Must be able to communicate effectively with the general public.
- > Must be able to analyze situations and recommend an effective course of action.
- > Possession of a valid California Class “C” license is required at the time of employment.
- > Employee is required to maintain a driving record that is acceptable to the District’s insurance carrier.
- > Employment of individuals (without previous District employment) is contingent upon the candidate passing a physical examination that includes a drug test.

TRUSTEES

STEVE FRANETOVICH
RICHARD FREELAND
ROY JOHNSON
MORRIS MAHLMANN
ROBERT MAYBORN
WILLIAM PROUT
BOB RODRIGUEZ
J.B. SELVIDGE

MANAGER
ROBERT A. QUIRING
SUPERINTENDENT
GENE ABBOTT

KERN
MOSQUITO AND VECTOR CONTROL DISTRICT

DISTRICT OFFICE

4705 ALLEN RD. BAKERSFIELD, CALIFORNIA 93314
PH: (661) 589-2744 FAX: (661) 589-4913 E MAIL: kmvcd@sbcglobal.net

June 2, 2011

RECEIVED
JUN 08 2011

DIVISION OF WATER QUALITY

State Water Resources Control Board
P. O. Box 100
1001 "I" Street
Sacramento, California 95814

RE: NPDES Permit Application for Vector Control Operations

State Water Resources Control Board:

Please find the following enclosed documents:

- 1) A completed NOI document
- 2) A completed (new & improved) PAP document
- 3) A list of Water Conveyances and Operator/Owners
- 4) A list of "notified" government agencies and copies of letters
- 5) A copy of the District's Annual Pesticide Usage Report for 2010
- 6) District map including possible treatment areas
- 7) District Job Description for: Source Reduction Specialist

Sincerely,

Rob Quiring
District Manager

TRUSTEES

STEVE FRANETOVICH
RICHARD FREELAND
ROY JOHNSON
MORRIS MAHLMANN
ROBERT MAYBORN
WILLIAM PROUT
BOB RODRIGUEZ
J.B. SELVIDGE

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KERN
MOSQUITO AND VECTOR CONTROL DISTRICT

DISTRICT OFFICE

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PH: (661) 589-2744 FAX: (661) 589-4913 E MAIL: kmvcd@sbcglobal.net

RECEIVED

JUN 16 2011

DIVISION OF WATER QUALITY

June 9, 2011

State Water Resources Control Board
Attn: Phil Isorena, NPDES Unit, 15th Floor
P. O. Box 100
Sacramento, California 95814

Phil:

We have enclosed payment for the District's Vector Control Permit.

Thanks,

Rob Quiring
Kern Mosquito & Vector Control District

RECEIPT

No. 336196

DATE 06/21/11

FROM Charlow - DWQ

\$ 136⁰⁰

CK # 919 DOLLARS

FOR RENT
 FOR WERN MOSQUITO & VECTOR CONTROL DIST.

ACCT.	
PAID	
DUE	

- CASH
- CHECK
- MONEY ORDER
- CREDIT CARD

FROM: _____ TO: _____
BY: [Signature]

A:2501
T:46820

