4-53 Bouquet Canyon Santa Clara River

City of
Santa Clarita

23920 Valencia Blvd.
Suite 300
Santa Clarita
California 91355-2196
Website: www.santa-clarita.com

Phone
(661) 259-2489
Fax
(661) 259-8125

107

November 27, 2002

Dennis A. Dickerson
Executive Officer
California Regional Water Quality Control Board
320 W. 4TH Street. Suite 200
Los Angeles County. CA 90013

SUBJECT: TECHNICAL REPORT OF THE INVESTIGATION OF BOUQUET CANYON CREEK DIAZINON CONTAMATION – REQUEST FOR EXTENSION

Dear Mr. Dickerson:

The City of Santa Clarita with the cooperation and assistance of Los Angeles County is pleased to provide this report that demonstrates in detail the collective efforts applied to abate the diazinon contamination in Bouquet Canyon Creek. ***The most current monitoring data shows that the sample site titled 403STCBQT has a current level .2 ug/l reduced from the sample taken in November 2001 of 4.198 ug/l. The following shows reductions in diazinon levels.***

	NR1 a.k.a. RWQCB *403STCBQT "101" site*	NR5 a.k.a. RWQCB "102" site	S2 a.k.a. RWQCB "106" site
8/28/02	5.698 ug/l	RWQCB provided no data on this site	4.214 ug/l
10/22/02	.95 ug/l	3.76 ug/l	1.19 ug/l
11/20/02	.20 ug/l	.02 ug/l	.17 ug/l

To be consistent with State policy, pollution prevention should be the first step in a hierarchy for reducing pollution and managing wastes and to achieve environmental stewardship for society. The City's approach has been consistent with this method and we believe that these efforts will prove successful in reducing diazinon levels to the Fish and Game limit of .08 ug/L that has been utilized by the Regional Board.

It is still necessary for the City and the County to conduct additional thorough investigations on the impact to the diazinon levels as these significant, focused efforts require more time to ensure proper data

collection than the 13267 letter allows. ***Therefore, the City and the County respectfully request a six-month monitoring period (until May 1, 2003) for collection of adequate, scientific data to evaluate the impact of our programs' implementation and impact to the diazinon levels.***

Our response to this issue is based on data the Regional Board acquired over the past year beginning on 10/31/01 and forwarded to the City on 9/25/02. (Of note, the City has not been provided with documentation that this data has been quality assured.) We have responded to this situation very seriously beginning with an aggressive approach that includes the following:

IC/ID INVESTIGATION

- Met with RWCQB on October 8, 2002
- Evaluated preliminary lab report from RWQCB on October 9, 2002
- Performed pre-inspection documentation research of the site on October 9, 2002 (aerial map, diazinon research)
- Performed initial visual observation of the site on October 10. 2002 and prioritized out-falls based on visual observation of dry weather flows
- Collected initial grab samples at nine out-falls and one sample at the base of each Seco and Bouquet channels on October 16, 2002 (used EPA 507 method)
- Based on field inspection, identified Homeowner Associations in the immediate area; made contact on October 17, 2002 and required them to address diazinon contamination with their residents and provide a copy of the outreach to the City
- Conducted field interviews with Western Exterminator, Newhall Valencia Exterminator, and Terminex
- Contacted local retail stores in area who sell diazinon on October 21, 2002. Only four continue to sell diazinon. City staff provided these four stores with educational handouts to give to consumers.
- Met with County staff to discuss the investigation and each other's role on November 5, 2002.
- Compared diazinon sales to sample results (developed chart see attached)
- From October 21 – November 13, 2002 conducted phone interviews with 15 pest control companies to see how many use this product and found that only one company reported using this product
- From October 21 – November 13, 2002 held phone interviews with landscaping companies to see how many are using this product and none reported using diazinon
- Reviewed results from October 16th samples on November 1, 2002 and prioritized three out-falls based on the results

- Met with Los Angeles County on November 20, 2002 to perform additional sampling at three locations (Los Angeles County sample results attached)
- Contacted Agriculture Commissioner and requested that he provide the City with a list of registered pest control companies that use diazinon (see attached list)
- Reviewed sample analysis
- Sent report to RWQCB

EDUCATIONAL OUTREACH

- Developed outreach letter to inform residents in the immediate area about this contamination and mailed letter to over five thousand residents November 8, 2002 (see attached)
- Directed City Public Information Office to issue a local press release on diazinon outreach on November 6, 2002
- Developed diazinon outreach Web page on the City's homepage under "What's Hot" on November 6, 2002 at www.santa-clarita.com (see attached)
- City staff will continue to educate the residents of this community who over-water their lawns and landscaping to reduce irrigation runoff and on the proper use of pesticides
- In total, the City has spent $10,308 of unbudgeted funds to abate the diazinon levels.

Our preliminary investigations and the review of the sales report from Orchard Supply Hardware compared to the diazinon levels observed from sample data collected from the Regional Board (see attached chart) reveals to us that there is no single point-source for the diazinon contamination. Rather, our investigation reveals that the diazinon contamination is coming from residents in the immediate area. The above efforts have been implemented proactively and in compliance with the Regional Board's requirement of a technical report to investigate the quality of storm water.

The Regional Board has been collecting water quality data on diazinon for the past year and only recently has this information been made available to the City and Los Angeles County. Regional Board staff has explained that the quality assurance for the data they collected was not complete and will provide the data when available. The City requests that the same courtesy be extended regarding our data collection documentation of the diazinon abatement, and our request for a six-month monitoring period.

In closing, the City of Santa Clarita is committed to a proactive and an aggressive pollution prevention approach to reduce the documented diazinon levels. Over the next six months, the City's and the County's

approach will be to continue to be aggressive, thus assuring that this contamination is abated and to be summarized in an analytical report that will be submitted by May 1, 2003.

The City and our residents cherish the Santa Clara River and its tributaries. I look forward to a continued partnership with the Regional Board to work together to protect our environment. Please feel free to contact me if you would like to discuss this further.

Sincerely,

Jeffrey J. Lambert, AICP
Director of Planning and Building Services

JJL:JES:SH:kdl
s:pbs/npdes2/diazinon/technical report

Enclosures: Residential outreach letter
Map of sample sites
Diazinon Sale chart
Web page
Preliminary sample data
Landscaping and pesticide handout
Agriculture list
Newspaper articles
Los Angeles County sample data

cc: Kenneth R. Pulskamp, City Manager, City of Santa Clarita
Mike Murphy, Intergovernmental Relations Officer, City of Santa Clarita
Robert Sams, Office of Chief Council, Water Quality State Water Resource Control Board
Jim Kassel, Division of Water Quality State Water Resource Control Board
Wendy Phillips, Regional Water Quality Control Board
Xavier Swammikannu, Regional Water Quality Control Board
Jonathan Bishop, Regional Water Quality Control Board
Samuel Unger, Regional Water Quality Control Board
Tracy Vergets, Regional Water Quality Control Board
Bill DePoto, County of Los Angeles
Carolina T. Treviso, County of Los Angeles
Bing Hua, County of Los Angeles
Jason Smisko, City of Santa Clarita
Scott Hamilton, City of Santa Clarita
Heather Merenda, City of Santa Clarita

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City of
Santa Clarita

November 8, 2002

SUBJECT: DIAZINON CONTAMINATON IN BOUQUET CANYON CREEK

Dear Santa Clarita Resident:

The City of Santa Clarita is home to one of the last natural rivers in Southern California. This is a key resource and its tributaries meander through private residences across the valley. The streets, storm drains, gullies, channels, and creeks carry rainwater and irrigation water to the Santa Clara River that is home to many deferent kinds of wildlife and aquatic life. ...

Recently the City has been informed that portions of the river in your area are being contaminated with Diazinon through our storm drains system. Rainwater and landscape irrigation runoffs are carrying this potentially toxic pollutant into our Santa Clara River. **You may be contributing to this contamination and not even realize it.** If you use a gardening or pest control company and they use this chemical on your lawn or garden, you may need to adjust your irrigation watering time so this chemical does not run into the street and into the storm drain system. In addition to adjusting the irrigation watering time, using this product properly is the key. Only purchase what you need and never apply more than what the manufacturers' directions recommend.

Diazinon is one of the most widely used pesticides by homeowners on lawns, and is one of the most used pesticide ingredients for applications around the home and in gardens. When used excessively, Diazinon works its way through the storm drain system to the Santa Clara River and ultimately to the Pacific Ocean.

How You Can Help

- Stop using Diazinon
- Properly dispose of Diazinon products
- Report the misuse of Diazinon to the City of Santa Clarita
- Use alternatives to chemical pestisides

Organophosphates (Diazinon) can also affect the nervous system. The effects from Diazinon vary depending on the dose, but symptoms from over-exposure can include nausea, headaches, vomiting, diarrhea, and general weakness. The use of Diazinon also poses a risk to birds and the environment, and it is one of the most commonly found pesticides found in the air, rain, and drinking water.

The Environmental Protection Agency has targeted a large group of older pesticides called Organophosphates because they pose the greatest potential risk to children. The pesticide Diazinon is one of the latest Organophosphates to be discontinued. Indoor use sales of this product will cease December 2002, while sales of the lawn and garden use product will cease in June of 2003.

Currently it is still legal to purchase and use Diazinon products. However, the City strongly suggests taking special care with the use of this product and to always follow the manufacturers' directions and precautions found on the label. Enclosed is an informational insert on landscape, gardening, and pest control best management practices that includes information on alternatives to chemical pesticides.

If you choose to discontinue using Diazinon products, it is extremely important that you dispose of them properly. The County of Los Angeles offers Household Hazardous Waste (HHW) collection events on a regular basis at various locations throughout the County where residents can drop off HHW at no charge. For more information on future collection events please call (888) CLEAN-LA or visit www.888cleanla.com. The County will host a HHW collection event in the City of Santa Clarita in April 2003.

As always, you can report illegal dumping anonymously by calling our Pollution Prevention Hotline at (661) 222-7222. If you would like more information, please visit the City's website at www.santa-clairta.com or contact Scott Hamilton, Senior Environmental Field Specialist, at (661) 286-4098.

Thank you in advance for being a part of the solution.

Sincerely,

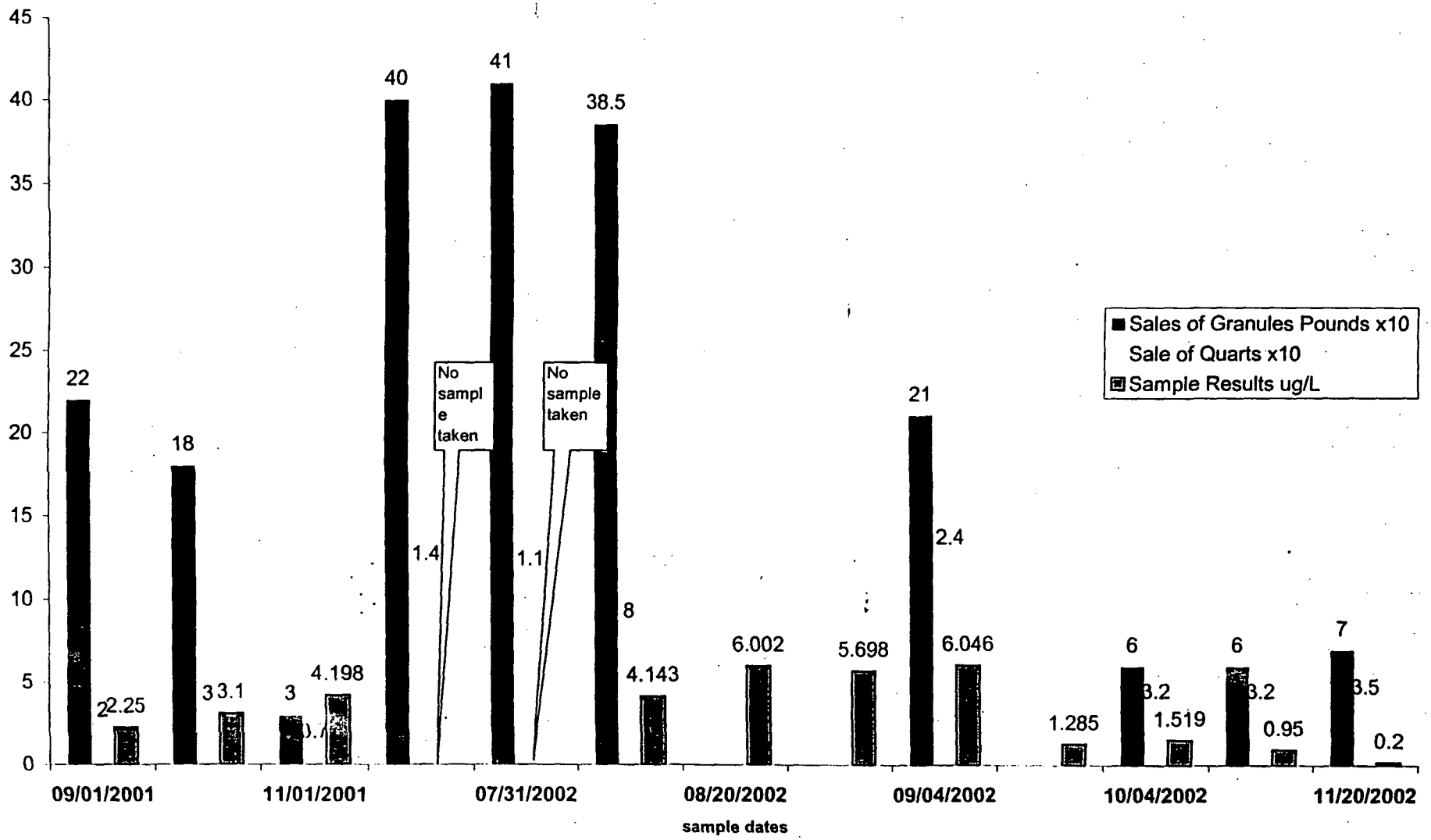
Jason E. Smisko
Interim Environmental Services Manager

JES:SH:kdl
S:\PBS\ENVSRVCS\NPDES2\Diazinon outreach.doc

Enclosure

cc: Kenneth R. Pulskamp, Interim City Manager
Jeffrey J. Lambert, AICP, Director of Planning and Building Services
Scott Hamilton, Senior Environmental Field Specialist
Gail Ortiz, Public Information Officer

OSH DIAZINON SALES vs SPIKES at SAMPLE SITE 403STCBQT



DIAZINON
CONTAMINATON FOUND IN BOUQUET CANYON CHANNEL

The City of Santa Clarita is home to one of the last natural rivers in Southern California. This is a key resource and its tributaries meander through private residences across the valley. The streets, storm drains, gullies, channels, and creeks carry rainwater and irrigation water to the Santa Clara River that is home to many deferent kinds of wildlife and aquatic life.

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For more information on Diazinon visit http://www.epa.gov/pesticides/op/diazinon.htm or contact Scott Hamilton, Senior Environmental Field Specialist, at (661) 286-4098. As always, you can report illegal dumping anonymously by calling our Pollution Prevention Hotline at (661) 222-7222.

s:pbs/envsrvcs/npdes2/diazinon/webinfo

MONTGOMERY WATSON LABORATORIES
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555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400 Fax: 626 568 6324
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

Castaic Lake Water Agency
27234 Bouquet Canyon Road

Saugus , CA 91350-2173

Attention: David Kimbrough
Fax: 661 297-1611

ACCREDITED IN ACCORDANCE WITH nelac 01114CA

JCH Jim Hein
Project Manager

Report#: 101821
DRINKING

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Comments,QC Report,QC Summary,Data Report,Hits Report, totaling 9 page[s].

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Report
Comments
#101821

(QC Ref#: 2210160226)
Test: Pesticides; N/P; Short list (ML/EPA 507)
Diazinon detected 0.46 ug/l on primary channel, and 0.51 ug/l on secondary channel. Lab MRL for Diazinon = 0.50 ug/l

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Laboratory
Hits Report
#101821

Castaic Lake Water Agency
David Kimbrough
27234 Bouquet Canyon Road
Saugus , CA 91350-2173

Samples Received
16-oct-2002 17:57:11

Analyzed	Sample#	Sample ID	Result	UNITS	MRL
	2210160224	NEWHALL RANCH 1			
10/22/02	Diazinon		0.95	ug/l	.500
	2210160225	SECO CHANNEL 2			
10/22/02	Diazinon		1.19	ug/l	.500
	2210160226	SECO CHANNEL 3			
10/22/02	Diazinon		0.46	ug/l	.050
	2210160227	SECO CHANNEL 4			
	2210160228	SECO CHANNEL 5			
	2210160229	SECO CHANNEL 6			
	2210160230	SECO CHANNEL 7			
10/22/02	Diazinon		0.53	ug/l	.500
	2210160231	NEWHALL RANCH 2			
	2210160232	NEWHALL RANCH 3			
	2210160233	NEWHALL RANCH 4			

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Hits Report
#101821

Castaic Lake Water Agency
David Kimbrough
27234 Bouquet Canyon Road
Saugus , CA 91350-2173

Samples Received
16-oct-2002 17:57:11

Analyzed	Sample#	Sample ID	Result	UNITS	MRL
	2210160233	NEWHALL RANCH 4			
	2210160234	NEWHALL RANCH 5			
10/22/02	Diazinon		3.76	ug/l	.500

SUMMARY OF POSITIVE DATA ONLY.

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Laboratory
Data Report
#101821

Castaic Lake Water Agency
David Kimbrough
27234 Bouquet Canyon Road
Saugus , CA 91350-2173

Samples Received
10/16/02

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
NEWHALL RANCH 1 (2210160224) Sampled on 10/16/02 08:50								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	0.95	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	81	% Rec		
SECO CHANNEL 2 (2210160225) Sampled on 10/16/02 09:00								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	1.19	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	85	% Rec		
SECO CHANNEL 3 (2210160226) Sampled on 10/16/02 09:10								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	0.46	ug/l	0.050	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	83	% Rec		
SECO CHANNEL 4 (2210160227) Sampled on 10/16/02 09:20								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	ND	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	84	% Rec		
SECO CHANNEL 5 (2210160228) Sampled on 10/16/02 09:25								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	ND	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	86	% Rec		

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Laboratory
Data Report
#101821

Castaic Lake Water Agency
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
SECO CHANNEL 6 (2210160229) Sampled on 10/16/02 09:33								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	ND	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	87	% Rec		
SECO CHANNEL 7 (2210160230) Sampled on 10/16/02 09:44								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	0.53	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	82	% Rec		
NEWHALL RANCH 2 (2210160231) Sampled on 10/16/02 10:08								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	ND	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	91	% Rec		
NEWHALL RANCH 3 (2210160232) Sampled on 10/16/02 10:18								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	ND	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	84	% Rec		
NEWHALL RANCH 4 (2210160233) Sampled on 10/16/02 10:23								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	ND	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	83	% Rec		

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Laboratory
Data Report
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Castaic Lake Water Agency
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
NEWHALL RANCH 5 (2210160234) Sampled on 10/16/02 10:30								
				Pesticides; N/P; Short list				
10/17/02	10/22/02 00:00	183736	(ML/EPA 507)	Diazinon	3.76	ug/l	0.50	1
			(Surrogate)	1,3-Dimethyl-2-nbenz(70-130)	82	% Rec		

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Laboratory
QC Summary
#101821

Castaic Lake Water Agency

QC Ref #183736 - Pesticides; N/P; Short list Analysis Date: 10/22/2002

2210160224	NEWHALL RANCH 1
2210160225	SECO CHANNEL 2
2210160226	SECO CHANNEL 3
2210160227	SECO CHANNEL 4
2210160228	SECO CHANNEL 5
2210160229	SECO CHANNEL 6
2210160230	SECO CHANNEL 7
2210160231	NEWHALL RANCH 2
2210160232	NEWHALL RANCH 3
2210160233	NEWHALL RANCH 4
2210160234	NEWHALL RANCH 5

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Castaic Lake Water Agency

QC Ref #183736 Pesticides; N/P; Short list

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 22	10160023	NONE		(0-0)	
LCS1	Alachlor (Alanex)	2.50	2.18	UGL	87.2	(62-128)	
LCS2	Alachlor (Alanex)	2.50	2.25	UGL	90.0	(62-128)	3.2
MBLK	Alachlor (Alanex)	ND	<0.50	UGL			
MS	Alachlor (Alanex)	2.50	2.29	UGL	91.6	(62-128)	
MSD	Alachlor (Alanex)	2.50	2.32	UGL	92.8	(62-128)	1.3
MBLK	Atrazine (Atrex)	ND	<1.00	UGL			
LCS1	Atrazine	2.50	2.15	UGL	86.0	(62-122)	
LCS2	Atrazine	2.50	2.18	UGL	87.2	(62-122)	1.4
MS	Atrazine	2.50	2.24	UGL	89.6	(62-122)	
MSD	Atrazine	2.50	2.36	UGL	94.4	(62-122)	5.2
MBLK	Bromacil (Hyvar)	ND	<10.00	UGL			
LCS1	Bromacil	25.0	20.5	UGL	82.0	(61-121)	
LCS2	Bromacil	25.0	20.9	UGL	83.6	(61-121)	1.9
MS	Bromacil	25.0	21.9	UGL	87.6	(61-121)	
MSD	Bromacil	25.0	22.7	UGL	90.8	(61-121)	3.6
LCS1	Cyanazine	2.50	2.12	UGL	84.8	(70-130)	
LCS2	Cyanazine	2.50	2.15	UGL	86.0	(70-130)	1.4
MBLK	Cyanazine	ND	<0.50	UGL			
MS	Cyanazine	2.50	2.27	UGL	90.8	(70-130)	
MSD	Cyanazine	2.50	2.34	UGL	93.6	(70-130)	3.0
LCS1	Diazinon	2.50	2.23	UGL	89.2	(85-145)	
LCS2	Diazinon	2.50	2.25	UGL	90.0	(85-145)	0.89
MBLK	Diazinon	ND	<0.50	UGL			
MS	Diazinon	2.50	2.25	UGL	90.0	(85-145)	
MSD	Diazinon	2.50	2.37	UGL	94.8	(85-145)	5.2
LCS1	Dimethoate (Cygon)	2.50	2.15	UGL	86.0	(70-130)	
LCS2	Dimethoate (Cygon)	2.50	2.12	UGL	84.8	(70-130)	1.4
MBLK	Dimethoate (Cygon)	ND	<0.50	UGL			
MS	Dimethoate (Cygon)	2.50	2.25	UGL	90.0	(70-130)	
MSD	Dimethoate (Cygon)	2.50	2.35	UGL	94.0	(70-130)	4.3
MBLK	Molinate (Ordram)	ND	<2.00	UGL			
LCS1	Molinate	2.50	2.18	UGL	87.2	(44-152)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

MONTGOMERY WATSON LABORATORIES
a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400 Fax: 626 568 6324
1 800 568 LABS (1 800 568 5227)

Laboratory QC Report #101821

Castaic Lake Water Agency (continued)

LCS2	Molinate	2.50	2.14	UGL	85.6	44-152)	1.9
MS	Molinate	2.50	2.22	UGL	88.8	44-152)	
MSD	Molinate	2.50	2.27	UGL	90.8	44-152)	2.2
LCS1	Prometryn (Caparol)	2.50	2.25	UGL	90.0	(63-123)	
LCS2	Prometryn (Caparol)	2.50	2.22	UGL	88.8	(63-123)	1.3
MS	Prometryn (Caparol)	2.50	2.32	UGL	92.8	(63-123)	
MSD	Prometryn (Caparol)	2.50	2.35	UGL	94.0	(63-123)	1.3
MBLK	Prometryn (Caparol)	ND	<2.00	UGL			
LCS1	Simazine (Princep)	2.50	2.13	UGL	85.2	(70-130)	
LCS2	Simazine (Princep)	2.50	2.14	UGL	85.6	(70-130)	0.47
MBLK	Simazine (Princep)	ND	<0.50	UGL			
MS	Simazine (Princep)	2.50	2.22	UGL	88.8	(70-130)	
MSD	Simazine (Princep)	2.50	2.33	UGL	93.2	(70-130)	4.8
LCS1	1,3-Dimethyl-2-nitrobenzene	100	80	%R	80.0	(70-130)	
LCS2	1,3-Dimethyl-2-nitrobenzene	100	80	%R	80.0	(70-130)	0.00
MBLK	1,3-Dimethyl-2-nitrobenzene	100	78	%R	78.0		
MS	1,3-Dimethyl-2-nitrobenzene	100	88	%R	88.0	(70-130)	
MSD	1,3-Dimethyl-2-nitrobenzene	100	88	%R	88.0	(70-130)	0.00
LCS1	Thiobencarb (Bolero)	2.50	2.28	UGL	91.2	(70-130)	
LCS2	Thiobencarb (Bolero)	2.50	2.29	UGL	91.6	(70-130)	0.44
MBLK	Thiobencarb (Bolero)	ND	<0.50	UGL			
MS	Thiobencarb (Bolero)	2.50	2.41	UGL	96.4	(70-130)	
MSD	Thiobencarb (Bolero)	2.50	2.52	UGL	100.8	(70-130)	4.5

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining. Criteria for MS and DUP are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.

COUNTY OF LOS ANGELES
Department of
Agricultural Commissioner
and Weights and Measures

Cato R. Fiksdal
Agricultural Commissioner/
Director of Weights and Measures

12300 Lower Azusa Road
Arcadia, California 91006-5872

Robert G. Atkins
Chief Deputy

FAX COVER SHEET

TO: Chris DATE: 11-18-02

TEL NO. 6

FAX NO. 661 - 255 - 4356

FROM: Rich Schuckley

Agricultural Commissioner/Weights and Measures Department
Environment Protection Bureau
Pesticide Regulation/Pest Detection and Eradication Divisions
12300 Lower Azusa Rd., Arcadia, CA 91006

FAX: (626) 443-6652 TELEPHONE: (626) 575-5466

TOTAL PAGES: 3 (Including this cover sheet)

COMMENTS: INFO ABOUT PCO'S & DIAZINON USE.

Structural Pest Control Companies based in Santa Clarita

Chemex Exterminators
26752 Oak Avenue Unit B
Santa Clarita, CA 91351
661-252-6193
Edward Peisker

Club Pest Control
19641 Crystal Springs Ct.
Santa Clarita, CA 91321
661-299-2582
Sebastian Amara

▲*Encore Exterminators
16529 W Sierra Wy
Santa Clarita, CA 91351
661-250-1737
Charles Evans

Home Savings Termite Cntrl
18316 Soledad Canyon Rd
Santa Clarita, CA 91387
661-298-2561
Wayne Morris

▲*Geyers Pest Control Svcs.
29716 Mums Ave
Santa Clarita, CA 91387
661-298-2752
Mark Geyer

Nomer Pest Control
19703 Koji Court Apt G
Santa Clarita, CA 91351
661-424-9550
Noel D Alonzo

Vertex Pest Solutions
24889 N Fernando Road #F
Santa Clarita, CA 91321
661-775-7773
Kurt Rennels

**Of these companies, only Encore Exterminators and Geyers Pest Control Svcs reported diazinon use, for 2002.*

▲ *These companies are licensed to do both Agricultural and Structural Pest Control*

Agricultural Pest Control Companies based in Santa Clarita

NV Landscape
P O Box 55188
Santa Clarita, CA 91385
661-285-8898
Jeffrey Brown

Professional Applicators
7000 Sierra Hwy
Santa Clarita, CA 91350
661-726-5152
Ken Hefner

(These two Ag PCO's did not use any diazinon in 2002.)

Diazinon Products

Companies based In Santa Clarita	**Encore Exterminators** Diazinon 5% (in lbs.)	**Geyer's P/C** Diazinon 47% (in gal)
Jan	35	0.50
Feb	6	1
Mar	10	0.75
Apr	15	1.00
May	18	1.50
Jun	7	1.50
Jul	4	0 gal.
Aug	0 lbs.	* no report
Sept	0 lbs.	* no report
Oct	* no report	* no report
Nov	* no report	* no report
Dec	* no report	* no report
	Total for 2002:	***Total for 2002:***
	95	***6.25***

SANTA CLARITA VALLI

Toxic pesticide contaminating river

By Patti Rasmussen
Signal Staff Writer

Portions of the Santa Clara River are being contaminated with Diazinon through the storm drain system and the city of Santa Clarita is asking residents to discontinue its use.

Diazinon is a potential toxic pesticide used by homeowners and gardeners on lawns and gardens and is used by some pest control companies. Residents may be contributing to the river's contamination unknowingly by using Diazinon excessively and letting irrigation runoff pour into the city streets and storm drains.

Diazinon is registered as dust, granules, wettable powders, seed dressings, emulsifiable solutions, impregnated materials, encapsulated materials, concentrates and ready-to-use solutions.

Depending on the dosage, the effects of exposure to the pesticide can vary. Some symptoms of over-exposure to Diazinon include nausea, headaches, vomiting, diarrhea and general weakness. The pollutant can also affect the nervous system.

According to the Environmental Protection Agency, Diazinon is highly toxic to birds, mammals, honey bees and other beneficial insects. It is also highly toxic to freshwater fish and invertebrates following acute exposure. The levels of concern for endangered species are exceeded for terrestrial wildlife, aquatic life and terrestrial plants.

Residents can halt continued Diazinon contamination by stopping all usage, disposing of the substance properly, reporting any misuse of the substance to the city and by using alternativ chemical pesticides.

Residents can drop off hazardous waste at the Coun Los Angeles House Hazardous Waste collec events at no charge. The co will host a collection even Santa Clarita in April.

For additional information future collection events call (8 CLEAN-LA or visit the Web at www.888cleanla.com. Con Scott Hamilton, city of Sa Clarita Senior Environmen Field Specialist at 286-4098.

Los Angeles Daily News

Pesticide flowing into river

By Kathleen Sweeney
Staff Writer

Saturday, November 16, 2002 - SANTA CLARITA – Diazinon, the most common pesticide used by homeowners to kill pesky ants, is running off residential landscapes and yards and into the Santa Clara River.

The Environmental Protection Agency and the city of Santa Clarita are urging residents, retailers and pest control companies to stop using and selling the potentially toxic pollutant to help protect humans and the environment.

"It's not healthy for aquatic life or birds, and we don't want them drinking it," said Scott Hamilton, a city senior environmental specialist. The pesticide also "poses the greatest risk to children."

The county's Regional Water Quality Board discovered the organophosphate in the river this summer during a routine check of the treated waste water that is pumped into the river, officials said.

In September, the city conducted more tests and determined most of the runoff was coming from homes in the Seco Canyon area, Hamilton said. The pesticide was running into the Bouquet channel, which runs along Bouquet Canyon Road.

"People overirrigate their landscaping after applying the pesticide, and it ends up in the Bouquet channel, which ends up in the Santa Clara River and ends up in the ocean," Hamilton said.

Diazinon is an older chemical in the organophosphate group that can affect the nervous system, said David Deegan, EPA spokesman. Depending on exposure, some can experience dizziness, nausea, headaches, vomiting, diarrhea or weakness.

Organophosphates were derived from nerve gas used during World War II, officials said. The government began the regulatory crackdown on the pesticide when it found neurological disorders in children living at homes where it was used in an unsafe manner.

The EPA began phasing out diazinon two years ago after President Clinton passed the Food Quality Protection Act in 1996. That law aggressively targeted the elimination of pesticides that pose a great risk to humans, especially children, and the environment.

Indoor use sales of this product will stop in December while the sales of the product for lawns and gardens will cease in June, officials said.

Currently it's legal to purchase and use diazinon products; however, city and some pest control officials suggest special care be taken when using this product and always follow the manufacturers' directions and precautions.

Gary Fisher, owner of the Newhall/Valencia Exterminating Co., stopped using the product about a year ago after finding safer and more effective products to kill ants and rodents.

Some homeowners overuse the product, don't rinse containers properly, leave supplies sitting around for years and dispose of the chemical improperly, Fisher said.

"People need to start to utilize and continue professional services," he said. "Why take it upon yourself with pesticides? If I'm not going to let my kids play with it, then I'm going to take extra precautions."

The EPA discourages residents from continuing to use diazinon, but those who spread it on their lawns are asked to follow directions, Deegan said.

"We do believe there are affective alternatives available that don't pose these types of risks," he said.

For more information about diazinon or specifics about alternatives log onto the EPA's Web site at www.epa.gov/oppsrrd1/op/diazinon For help disposing diazinon, Los Angeles County offers Household Hazardous Waste

collection events through the year. Residents can drop off their hazardous waste for no charge. The next event in Santa Clarita will be held in April.

For information on future events call (888) 253-2652 (CLEAN-LA) or visit the the Web site www.888cleanla.com.

Residents are encouraged to report any illegal dumping anonymously by calling by the city's pollution prevention hotline at (661) 222-7222.

Fill

Los Angeles Daily News

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Residents can halt continued Diazinon contamination by stopping all usage, disposing of the substance properly, reporting any misuse of the substance to the city and by using alternatives to chemical pesticides.

Residents can drop off their hazardous waste at the County of Los Angeles Household Hazardous Waste collection events at no charge. The county will host a collection event in Santa Clarita in April.

For additional information on future collection events call (888) CLEAN-LA or visit the Web site at www.888cleanla.com. Contact Scott Hamilton, city of Santa Clarita Senior Environmental Field Specialist at 286-4098.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

TELECOPY COVER SHEET

DATE: 11/20/02

TO:

Name: Heather Merenda

Agency: City of Santa Clarita

Telephone Number: (661) 284-1413

Telecopier Number: (661) 255-4356

FROM:

Name: Carolina Trevizo

Division: WATERSHED MANAGEMENT DIVISION

Telephone Number: (626) 458-3978

Telecopier Number: (626) 457-1526 or (626) 458-3534

NUMBER OF PAGES (including cover sheet) 3

REMARKS: Attached are the laboratory analysis for 11/20/02

Thanks,
Carolina

P:\...\ADMIN\CLERICAL\FORMS\FAXSHT

TO: LACDPW Watershed Management Division
ATTN: Mustafa Arikli
900 S Fremont Avenue
Alhambra, CA 91803-1331

FROM: Environmental Toxicology Laboratory
State Certification No. 1430
11012 Garfield Avenue, Building B
South Gate, CA 90280

LABORATORY ANALYSIS

COVER SHEET

Report Date: 11/25/02 2:47:41 PM

GROUP OC ANALYSIS

Received Date:

	Agric. Lab No.	DPW Number	Date Received
1	PW-14898-02	63920	11/20/02
2	PW-14899-02	63921	11/20/02
3	PW-14900-02	63922	11/20/02
4	PW-14901-02	63923	11/20/02
5	PW-14902-02	63924	11/20/02
6	PW-14903-02	63925	11/20/02

NOTES ON METHOD:

A Methods for Chemical Analysis of Water and Wastewater, EPA - 500/4 - 79 - 020, revised March 1983 and EPA - 600/4 - 84 - 017, March 1984.

B Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985, American Public Health Association, American Waterworks Association, Water Pollution Control Federation.

C Standard Methods for the Examination of Water and Wastewater, 17th edition, 1989, American Public Health Association, American Waterworks Association, Water Pollution Control Federation.

D Methods for Organic Analysis of Municipal and Industrial Wastewater, EPA - 600/4 - 82 - 057, July 1982.

E Recommended Methods of Analysis for the Organic components Required for AB 1803, 3rd edition, revised May 1985.

F Test Methods for Evaluation Solid Waste, SW - 846, 3rd edition, November 1986.

Submitted By:

David Lau, Supervising Toxicologist

Wai Leung, Supervising Toxicologist

Wasfy Shindy, Deputy Director 11/25/2002

(form revised 1/21/97)

PESTICIDES

Report Date: 11/25/02 2:47:55 PM
Received Date: 11/20/02

	Methoxychlor	Toxaphene	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	Diazinon	Chlorpyrifos	Diuron	Malathion	Prometryn	Simazine	Atrazine	Cyanazine	Molinate	Thiobencarb
EPA Method	D608	D608	D608	D608	D608	D608	D608	D608	D608	507	507	507	507	507	507	507	507	507	507
PQL (ug/L)	0.50	1.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.01	0.05	1.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0
Lab No.																			
FW-14898-02										0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FW-14899-02										0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FW-14900-02										0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FW-14901-02										0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FW-14902-02										0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FW-14903-02										0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: 0 = Nil Blank = Quantity Not Sufficient For Analysis

· BIOLOGICAL CONTROLS

- Predatory insects, e.g. green lacewings, eat aphids.
- Bacterial insecticides, e.g. Bacillus thuringiensis, kill caterpillars.

· CHEMICAL CONTROLS – YOUR LAST RESORT

- Dehydrating dusts (e.g. silica gel)
- Insecticidal soaps
- Boric acid powder
- Horticultural oils
- Pyrethrin-based insecticides

SAFE SUBSTITUTES FOR PEST CONTROL

- Garden aphids and mites – Mix one tablespoon of liquid soap and one cup of vegetable oil. Add one teaspoon of this mixture to a cup of water and spray. (Oil may harm vegetable plants in the cabbage family.)
- Caterpillars – When caterpillars are eating, apply products containing Bacillus thuringiensis to leaves.
- Ants – Place boric acid dust or hydramethylnon baits in problem areas, cracks and insect walkways. Be sure it is inaccessible to children and pets. (It is a mild poison.)
- Roaches – Apply boric acid dust to cracks and entry points. (See ants above.) Place bay leaves on food shelves.

IF YOU MUST USE PESTICIDES

- Use a pesticide that is specifically designed to control your pest. The insect should be listed on the label. Approximately 90% of the insects in your lawn and garden are not harmful.
- Read labels! Use only as directed and buy as little as possible. To control pest problems, many gardeners use pesticides at over 20 times the rate that farmers do.

PESTICIDE DISPOSAL

Toxins such as pesticides, cleansers and motor oil can pollute the ocean and poison groundwater if disposed of in storm drains, gutters or trash. Rinse empty pesticide containers and use rinse water as you would the product. Dispose of empty rinsed containers in the trash or recycle.

CITY OF SANTA CLARITA

ENVIRONMENTAL SERVICES

Printed on recycled paper

gardening and pest control

BEST MANAGEMENT PRACTICES

GENERAL LANDSCAPING TIPS

- Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Schedule grading and excavation projects for dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Prevent erosion by planting fast-growing annual and perennial grasses. These will shield and bind the soil.

GARDEN AND LAWN MAINTENANCE

- Do not overwater. Conserve water by using irrigation practices such as drip irrigation, soaker hoses or micro-spray systems.
- Place all yard waste into a Yard Waste recycling bin.
- Do not blow or rake leaves into the street, gutter or storm drain.
- Use organic or non-toxic fertilizers. Do not overfertilize and do not fertilize near ditches, streams or other water bodies.
- Store pesticides, fertilizers, and other chemicals in a covered area to prevent runoff.

PESTICIDE ALTERNATIVES

The "chemicals-only" approach to pest control is only a temporary fix. A more common-sense approach is needed for a long-term solution. It is called Integrated Pest Management (IPM) and is implemented through:

PHYSICAL CONTROLS

Rather than using pesticides, physical controls can be erected to keep pests out of gardens, yards or structures. These can include barriers, such as fences or traps, to keep out larger animals or rodents, or caulking of holes in doorways or windows where smaller pests can enter. Sticky, "pesticide-free" substances can also be applied on surfaces to stop pests from migrating farther.

23920 Valencia Blvd.
Suite 300
Santa Clarita
California 91355-2196
Website: www.santa-clarita.com

Phone
(661) 259-2489
Fax
(661) 259-8125

City of
Santa Clarita

February 10, 2003

DELIVERED VIA FACSIMILE

Dennis A. Dickerson
Executive Officer
California Regional Water Quality Control Board
320 West 4TH Street, Suite 200
Los Angeles, CA 90013

SUBJECT: 99.988 REDUCTION – FOLLOW-UP REPORT TO THE TECHNICAL REPORT OF THE INVESTIGATION OF BOUQUET CANYON CREEK DIAZINON CONTAMATION

Dear Mr. Dickerson:

The City of Santa Clarita, with the cooperation and assistance of Los Angeles County, is pleased to provide this report that demonstrates the continued collective efforts applied to abate the diazinon contamination in Bouquet Canyon Creek. ***The most current monitoring data shows that the sample site titled 403STCBQT has a current level of .05 ug/l reduced from the sample taken in November 2001 of 4.198 ug/l. This represents a 99.988 percent reduction in diazinon levels. The chart below includes the additional sample sites showing diazinon hits and the most recent results, which are at or below the Fish and Game limit. This is a significant reduction and it confirms that our abatement strategy has been extremely successful.***

Sample date	NR1 a.k.a. RWQCB *403STCBQT "101" site*	NR5 a.k.a. RWQCB "102" site	S2 a.k.a. RWQCB "106" site	S3	S7
8/28/02	5.698 ug/l	RWQCB provided no data on this site	4.214 ug/l	RWQQB provided no data on this site	RWQQB provided no data on this site
10/16/02	.95 ug/l	3.76 ug/l	1.19 ug/l	.46 ug/l	.53
11/20/02	.20 ug/l	.02 ug/l	.17 ug/l	No sample taken	No sample taken
1/14/03	.34 ug/l	No sample taken	.16 ug/l	.41 ug/l	.31 ug/l
2/3/03	.05 ug/l	No sample	.04 ug/l	.08 ug/l	.08 ug/l

The following is an update as to how we have continued to abate this contamination:

IC/ID INVESTIGATION

- Held regular meetings and phone calls with Los Angeles County to discuss the investigation.
- Collected additional grab samples at two out-falls and one sample at the base of each Seco and Bouquet channel on January 14, 2003 (used EPA 507 method.)
- Discovered two additional local retail stores that sell diazinon on January 23, 2003. City staff provided these stores with educational handouts to give to consumers.
- Received and reviewed sample analysis on January 23, 2003.
- Based on sample data and field inspection, identified an additional Homeowners Association (HOA) in the immediate area. Made contact on January 30, 2003 and required the HOA to address diazinon contamination with its residents. Provided HOA with 200 copies of the diazinon outreach material, which they distributed by hand to their residents.
- Compared diazinon sales to sample results (see attached chart.)
- Collected additional grab samples at two out-falls and one sample at the base of both Seco and Bouquet channels on February 3, 2003 (used EPA 507 method.)
- Received and reviewed sample analysis on February 7, 2003.
- Sent report to RWQCB.

EDUCATIONAL OUTREACH

- Directed City Public Information Office to issue a local press release on diazinon outreach on February 7, 2003.
- Continued to post diazinon outreach on the City's webpage under "City Services – News and Reports"(www.santa-clarita.com/news/diazinon.asp.)
- Created map on diazinon web page for residents to look up their street to see if they are in the area of concern.
- Contacted two additional local retail stores in area who sold diazinon on January 23, 2003. City staff provided these stores with educational handouts to give to consumers.
- Provided educational outreach to Homeowners Association
- City staff has and will continue to educate the residents of this community, who over-water their lawns and landscaping, on irrigation runoff reduction and the proper use of pesticides.

The above efforts have been implemented proactively and in compliance with the Regional Board's requirement of a technical report to investigate the quality of storm water.

In closing, the City of Santa Clarita is committed to a proactive and an aggressive pollution prevention approach to reduce the documented diazinon levels. Over the next 41 days, the City and County will continue to be aggressive, thus assuring that this contamination is abated and will summarize the information in an analytical report that will be submitted by March 23, 2003.

The City and our residents cherish the Santa Clara River and its tributaries. We look forward to a continued partnership with the Regional Board to work together to protect our environment. Please feel free to contact me at (661) 294-2501 if you would like to discuss this further.

Sincerely,

Chris Dasté
Director of Field Services

CD:JES:SH:kdl
s:pbs/npdes2/diazinon/followup

Enclosures: Map of Sample Sites
Diazinon Sale Chart
Sample Data

cc: Kenneth R. Pulskamp, City Manager, City of Santa Clarita
Mike Murphy, Intergovernmental Relations Officer, City of Santa Clarita
Robert Sams, Office of Chief Council, Water Quality State Water Resource Control Board
Jim Kassel, Division of Water Quality State Water Resource Control Board
Wendy Phillips, Regional Water Quality Control Board
Xavier Swammikannu, Regional Water Quality Control Board
Jonathan Bishop, Regional Water Quality Control Board
Samuel Unger, Regional Water Quality Control Board
Tracy Viergutz, Regional Water Quality Control Board
Bill DePoto, County of Los Angeles
Carolina T. Treviso, County of Los Angeles
Bing Hua, County of Los Angeles
Jason Smisko, City of Santa Clarita
Scott Hamilton, City of Santa Clarita
Heather Merenda, City of Santa Clarita

TO: LACDPW Watershed Management Division
ATTN: Mustafa Arikl
900 S Fremont Avenue
Alhambra, CA 91803-1331

FROM: *Environmental Toxicology Laboratory*
State Certification No. 1430
11012 Garfield Avenue, Building B
South Gate, CA 90280

LABORATORY ANALYSIS

COVER SHEET

Report Date: 2/6/03 4:45:37 PM

Received Date:

GROUP OC ANALYSIS

	Agric. Lab No.	DPW Number	Date Received
1	PW-00968-03	64125	2/3/03
2	PW-00969-03	64126	2/3/03
3	PW-00970-03	64127	2/3/03
4	PW-00971-03	64128	2/3/03

Attn: Chris P
2 Pages

NOTES ON METHOD:

A Methods for Chemical Analysis of Water and Wastewater, EPA - 600/4 - 79 - 020, revised March 1983 and EPA - 600/4 - 84 - 017, March 1984.

B Standard Methods for the Examination of Water and Wastewater, 16th edition, 1985, American Public Health Association, American Waterworks Association, Water Pollution Control Federation.

C Standard Methods for the Examination of Water and Wastewater, 17th edition, 1989, American Public Health Association, American Waterworks Association, Water Pollution Control Federation.

D Methods for Organic Analysis of Municipal and Industrial Wastewater, EPA - 600/4 - 82 - 057, July 1982.

E Recommended Methods of Analysis for the Organic components Required for AB 1803, 3rd edition, revised May 1985.

F Test Methods for Evaluation Solid Waste, SW - 846, 3rd edition, November 1986.

Submitted By:

David Chiu, Supervising Toxicologist

Wai Leung, Supervising Toxicologist

Wasfy Shindy, Deputy Director 2/7/2003

(form revised 1/21/97)

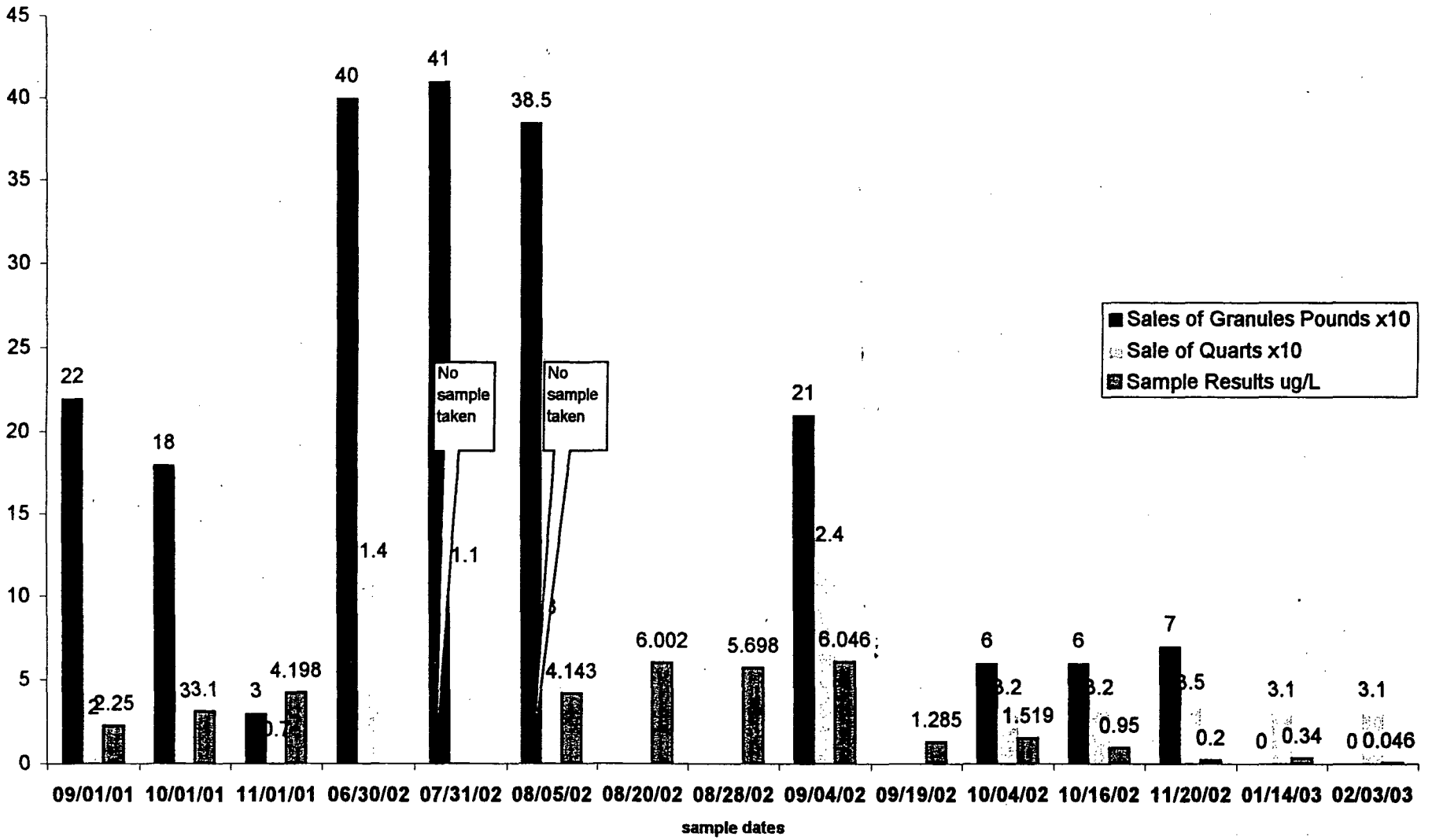
PESTICIDES

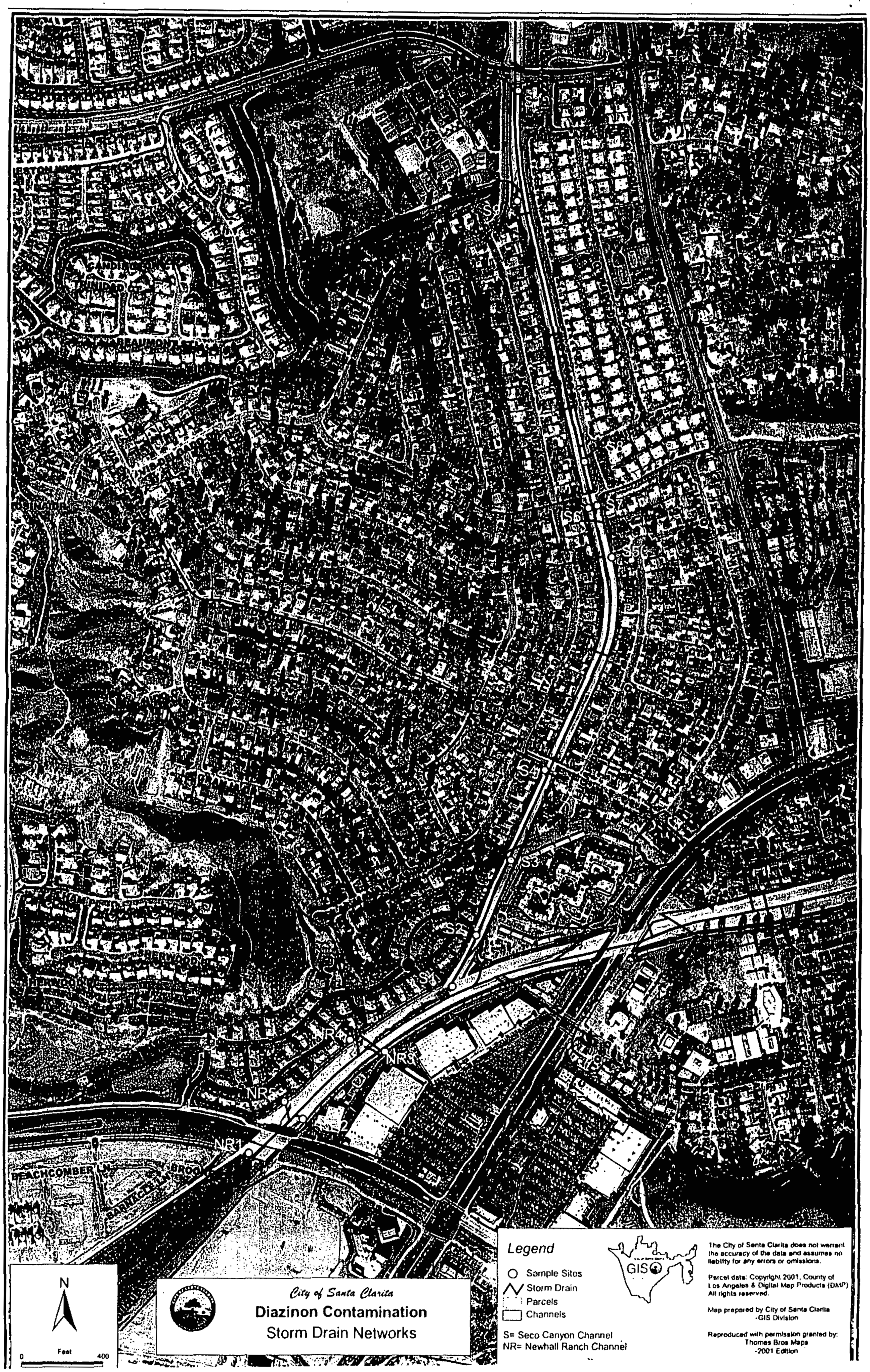
Report Date: 2/6/03 4:45:51 PM
Received Date: 2/3/03

	Methoxychlor	Toxaphene	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	Diazinon	Chlorpyrifos	Diuron	Malathion	Prometryn	Simazine	Atrazine	Cyanazine	Molinate	Thiobencarb
EPA Method:	D608	D608	D608	D608	D608	D608	D608	D608	D608	507	507	507	507	507	507	507	507	507	507
PQL (ug/L):	0.50	1.0	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.01	0.05	1.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0
Lab No.																			
PW-00968-03										0.05									
PW-00969-03										0.04									
PW-00970-03										0.08									
PW-00971-03										0.08									

Note: 0 = ND Blank = Quantity Not Sufficient For Analysis

OSH DIAZINON SALES vs SPIKES at SAMPLE SITE 403STCBQT




S1
S2
S3
S4
S5
S6
S7
S8
S9
NR1
NR3
NR5
N
Feet
0
400
City of Santa Clarita
Diazinon Contamination
Storm Drain Networks
Legend
Sample Sites
Storm Drain
Parcels
Channels
S= Seco Canyon Channel
NR= Newhall Ranch Channel
GIS
The City of Santa Clarita does not warrant the accuracy of the data and assumes no liability for any errors or omissions.
Parcel data: Copyright 2001, County of Los Angeles & Digital Map Products (DMP) All rights reserved.
Map prepared by City of Santa Clarita -GIS Division
Reproduced with permission granted by: Thomas Bros Maps -2001 Edition

CITY OF SANTA CLARITA
Environmental Services Division
Department of Field Services
23920 Valencia Boulevard, Suite 300
(661) 286-4066
(661) 255-4356 (FAX)

Fax Transmittal

TO:	Dennis Dickerson, Executive Officer
DATE:	2/10/03
FAX NUMBER:	(213) 576-6625
FROM:	Chris Daste
NUMBER OF PAGES:	4 (including cover sheet)

REMARKS: A hard copy of this letter is also being sent to you. If you have any questions regarding this information, please contact me at (661) 294-2501 or Scott Hamilton, Senior Environmental Field Specialist, at (661) 286-4133. Thank you.

TRANSMITTED BY:	Kelli Lajer
PHONE NUMBER:	(661) 286-4066

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California 91355-2196
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(661) 259-8125

City of
Santa Clarita

March 21, 2003

DELIVERED VIA FACSIMILE

Dennis A. Dickerson, Executive Officer
California Regional Water Quality Control Board
320 West 4TH Street, Suite 200
Los Angeles, CA 90013

SUBJECT: FINAL REPORT TO THE TECHNICAL REPORT OF THE INVESTIGATION OF BOUQUET CANYON CREEK DIAZINON CONTAMINATION

Dear Mr. Dickerson:

The City of Santa Clarita, with the cooperation and assistance of Los Angeles County, is pleased to provide this report that demonstrates the collective efforts applied to abate the diazinon contamination in Bouquet Canyon Creek. ***The most current monitoring data shows that the sample site titled 403STCBQT has a current level of .15 ug/l, this reflects a minor increase since the last sample. We believe that these increases are due to higher runoff from residential landscape areas that were treated with diazinon and that the increase came from the light rain (.08 inch) the day prior to sampling. This is still a major reduction from the sample taken in November 2001 of 4.198 ug/l. This represents a 96.42 percent reduction in diazinon levels. The chart below includes the additional sample sites showing the most recent diazinon sampling results. This is a significant reduction and it confirms that our abatement strategy has been extremely successful.***

Sample date	NR1 a.k.a. RWQCB *403STCBQT "101" site*	NR5 a.k.a. RWQCB "102" site	S2 a.k.a. RWQCB "106" site	S3	S7
8/28/02	5.698 ug/l	RWQCB provided no data on this site	4.214 ug/l	RWQQB provided no data on this site	RWQQB provided no data on this site
10/16/02	.95 ug/l	3.76 ug/l	1.19 ug/l	.46 ug/l	.53
11/20/02	.20 ug/l	.02 ug/l	.17 ug/l	No sample taken	No sample taken
1/14/03	.34 ug/l	No sample taken	.16 ug/l	.41 ug/l	.31 ug/l
2/3/03	.05 ug/l	No sample	.04 ug/l	.08 ug/l	.08 ug/l
3/5/03	.15 ug/l	No sample	.10ug/l	.22 ug/l	.08 ug/l

The following is an update as to how we have continued to abate this contamination:

IC/ID INVESTIGATION

- Held regular meetings and phone calls with Los Angeles County to discuss the investigation.
- Continued education/outreach during IC/ID investigations.
- Collected additional grab samples at two out-falls and one sample at the base of both Seco and Bouquet channels on March 5, 2003 (used EPA 507 method.)
- Received and reviewed sample analysis on March 11, 2003.
- Compared diazinon sales to sample results (see attached chart.)
- Sent report to RWQCB.

EDUCATIONAL OUTREACH

- Continued to post diazinon outreach on the City's webpage under "City Services – News and Reports"(www.santa-clarita.com/news/diazinon.asp.)
- City staff continued to provide stores with educational handouts to give to consumers.
- Contacted Homeowners Association President. The Association President went door-to-door in the community to distribute educational handouts provided by the City explaining the situation to their member residents.
- City staff has and will continue to educate the residents of this community who over-water their lawns and landscaping on irrigation runoff reduction and the proper use of pesticides.

The above efforts have been implemented proactively and in compliance with the Regional Board's requirement of a technical report to investigate the quality of storm water in relation to the diazinon levels.

In closing, the City of Santa Clarita committed to a proactive and an aggressive pollution prevention approach that significantly reduced the documented diazinon levels. With that commitment, the City of Santa Clarita, with the assistance of Los Angeles County, has continued to abate this contamination. This concludes our final technical report on this diazinon contamination.

The City and Los Angeles County would like to meet with the Regional Board staff to answer any questions regarding these substantial efforts. We will be taking additional samples at these locations in April and will forward the results to the board.

The City and our residents cherish the Santa Clara River and its tributaries. We look forward to a continued partnership with the Regional Board by working together to protect our environment. Please feel free to contact me at (661) 294-2501 if you would like to discuss this further.

Sincerely,

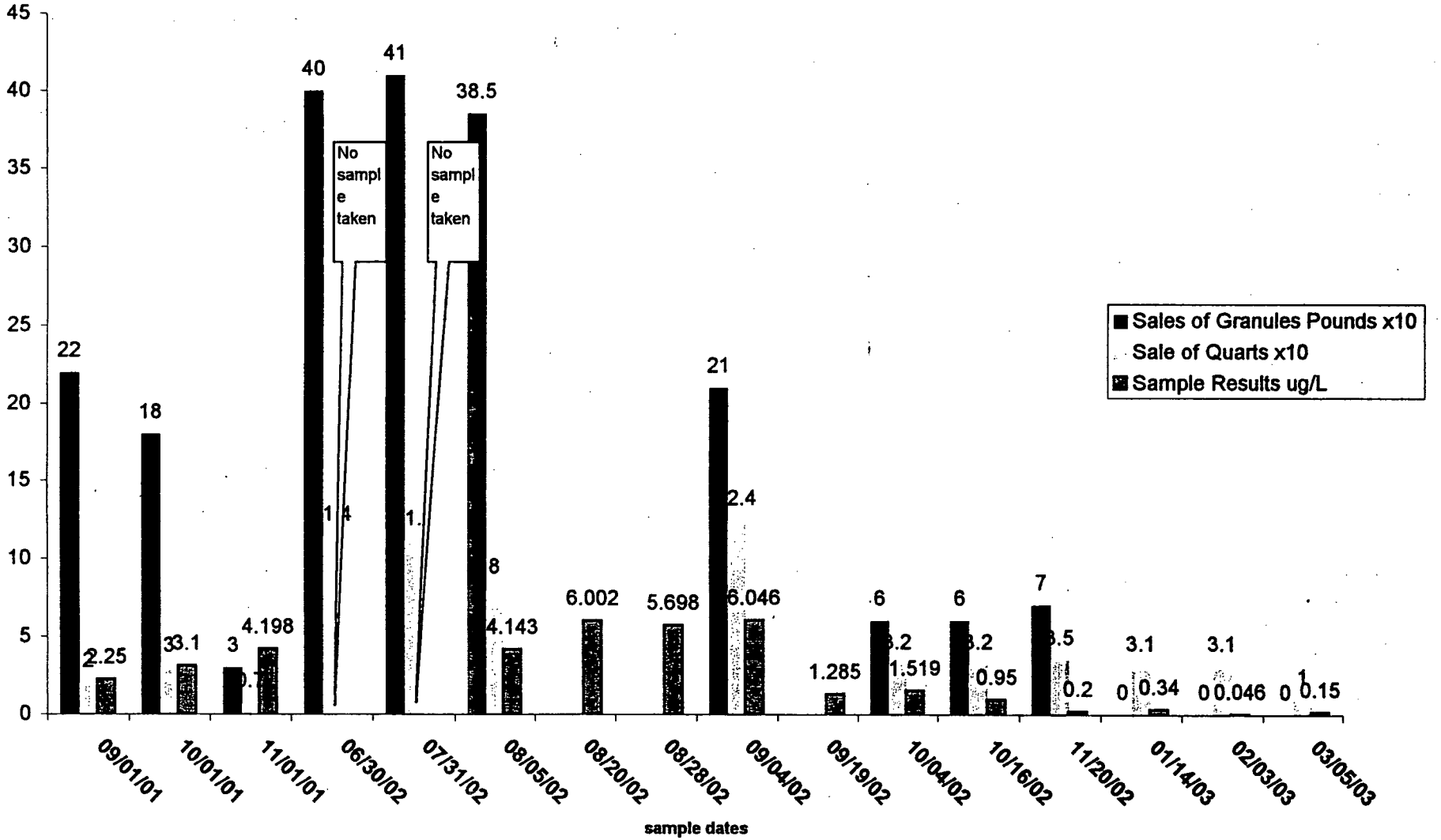
Chris Dasté
Director of Field Services

CD:JES:SH:kdl
s:pbs/envsrvcs/npdes2/diazinon/finalfollowup

Enclosures: Diazinon Sales Chart
Sample Data

cc: Kenneth R. Pulskamp, City Manager, City of Santa Clarita
Mike Murphy, Intergovernmental Relations Officer, City of Santa Clarita
Robert Sams, Office of Chief Council, State Water Resource Control Board
Jim Kassel, Division of Water Quality, State Water Resource Control Board
Wendy Phillips, Regional Water Quality Control Board
Xavier Swammikannu, Regional Water Quality Control Board
Jonathan Bishop, Regional Water Quality Control Board
Samuel Unger, Regional Water Quality Control Board
Tracy Viergutz, Regional Water Quality Control Board
Bill DePoto, County of Los Angeles
Nate Stevenson, County of Los Angeles
Bing Hua, County of Los Angeles
Jason Smisko, City of Santa Clarita
Scott Hamilton, City of Santa Clarita
Heather Merenda, City of Santa Clarita

OSH DIAZINON SALES vs SPIKES at SAMPLE SITE 403STCBQT



PESTICIDES

Report Date: 3/12/03 3:07:44 PM
Received Date: 3/5/03

	Methoxychlor	Toxaphene	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	Diazinon	Chlorpyrifos	Diuron	Malathion	Prometryn	Simazine	Atrazine	Cyanazine	Molinate	Thiobencarb
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Lab No.																			
PW-02305-03										0.15									
PW-02306-03										0.10									
PW-02307-03										0.22									
PW-02308-03										0.08									

Note: 0 = ND Blank = Quantity Not Sufficient For Analysis

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REMARKS:	The hard copy of this letter is in the mail as well.

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PHONE NUMBER:	(661) 286-4066

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