

City of Encinitas

July 20, 2000.

Chuck DuVivier

Mr. John Robertus, Executive Director San Diego Regional Water Quality Control Board 9771 Clairemont Mesa Blvd., Ste. B San Diego, CA 92124

MUNICIPAL STORMWATER PERMIT COMPLIANCE REPORTS (90-42)

Dear Mr. Robertus:

James H. Bond Deputy Mayor

Sheila S. Cameron

Council Member

Enclosed please find the City of Encinitas Semi-Annual Stormwater and Urban Run-off Report. In accordance with the requirements of NPDES Order 90-42, this submittal contains a thorough explanation of the following elements.

- Compliance Report on the Implementation of the Stormwater / Receiving Water Monitoring Program
- Compliance Report on the Implementation of the Illicit Connection / Illegal Discharge Detection Program
- Compliance Report on the Implementation of the Best Management Practices Program for Stormwater Pollution Control
- Program Analysis

Christy Guerin
Council Member

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Dennis Holz Council Member

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Sincerely

City Manager

Kerry L. Miller City Manager Enclosures

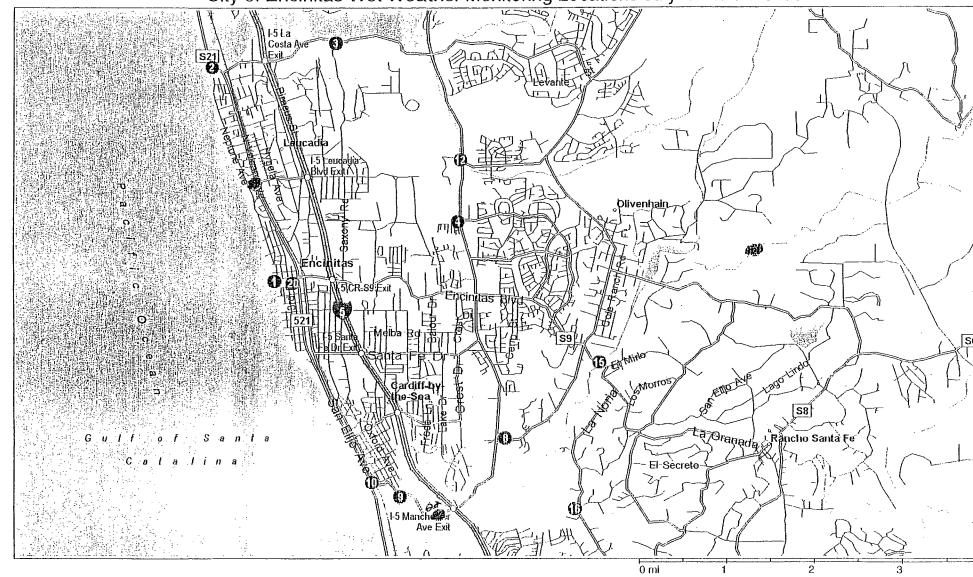
cc: Alan D. Archibald, P.E. Jace Schwarm

Jan Chiso Lagoon

TDD 760-633-2700

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			LOCATION	2ND_/	SAN ELIJO JPA	PONTO	LAKE LEUCADIA	OCEAN COVE	LEUCADIA	GARDEN /	EAST (/ MANCHESTER	SAXONY
			DATE	2/16/00	2/16/00	2/16/00	3/5/00	1/25/00	1/25/00	1/25/00	2/23/00	2/23/00
Analyte	Method	Units	Reporting Limit									
Azinphosmethyl	EPA 8141A	ug/L	1.00	ND	ND	ND		ND	ND	ND	ND	ND
Bolstar	EPA 8141A	ug/L.	0.10	ND	ND	ND		ND	, ND	ND	ND	ND
Chlorpyrifos	EPA 8141A	ug/L	0.05	ND	ND	0.06		ND	ND	ND	0.04	ND
Coumaphos	EPA 8141A	ug/L	0.20	ND	ND	ND		ND	ND	ND	ND	ND
Def	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Demeton-s	EPA 8141A	ug/L	0.20	ND	ND	ND		.ND	ND	ND	ND	ND
Diazinon	EPA 8141A.	ug/L ເວີຊີ	0.05	0.09		0.27	~	2.1	0.38	1.2	/ 0.09	0.13
Dichlorvoz	EPA 8141A	ug/L	0.20	ND	ND	ND	<u> </u>	ND	ND	ND	ND	ND
Dimethoate	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ИD	ND	ND	ND
Disulfoton	EPA 8141A	ug/L	0.10	ND	ND	. ND		ND	ND	ND	ND	ND
EPN	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
EPTC	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Ethion	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Ethoprop	EPA 8141A	ug/L_	0.10	ND	ND	ND	j	ND	ND	ND	ND	ND
Fensulfothion	EPA 8141A	ug/L	0.50	ND	ND	ND		ND	ND	ND	ИD	<u>DN</u>
Fenthion	EPA 8141A	ug/L	0,10	· ND	ND	ND		, ND	ND	ND	ND	ND
Malathion	EPA 8141A	ug/L a	0.12	ND	ND	0.2	×	1.1	0.67	1.4	ND	ND
Merphos	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Mevinphos	EPA 8141A	ug/L	0.70	ND	ND	ND		ND	ND	ND	ND	ND
Naled	EPA 8141A	ug/L	0.50	ND	ND	ND		ND	ND	ND	ND	ND
Parathion, ethyl	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Parathion, methyl	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Phorate	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Prowl	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	0.31	ND	ND
Ronnel	EPA 8141A	ug/L	0.10	ND	ND	/ND		ND	ND	ND	ND	ND
Stirophos	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Tokuthion	EPA 8141A	ug/L	. 0.10	ND	ND	ND		ND	ND	ND	ND	ND
Trichloronate	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	ND	ND	ND	ND
Trifluralin	EPA 8141A	ug/L	0.10	ND	ND	ND		ND	N,D	ND	\ ND	ND
Chemical	Gentles,	_l_×,i				Duenty	122 10	ucadig/12/90	1/4	EUH Me	JA 18 5	axony/3
17	Stordard	DL	12nd	120 H	2010/2	. /	. 1	/ 1	1,2	-		2.15
Diazinon	0.05 pp	0.05 ug/L	12nd,		00-to/2 , a 7	2.1	0.3	8	1,0	0.001		0/23
	1 - 2 PF -	0.05 4919	1		i	1/25	1 1/3	25 /1/	125	2/23		
•			2/16/0		2/16	1720	1 '					
Chlorouritos	0.014	0.05		<u> </u>			·				-	
chapycia		ĺ	1- Bai	a & V 15	0.3 (0.78	ceele /	414					
		0.12	La 1203	7	0 3	/	- 1					
·	Į	10.10	0.22		1 0.3	١١	1		•			
Malarmion	1	3	(on off)	(00 pg	F)	1					
. 755 1			- •	,	1		1					

City of Encinitas Wet Weather Monitoring Locations July '99 to June '00



WATER QUALITY CRITERIA FOR DIAZINON AND CHLORPYRIFOS

by

DL

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Pesticide Investigations Unit
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Rancho Cordova, CA 95670

SUMMARY

Recent toxicity information was reviewed and used to update freshwater and saltwater aquatic life criteria for diazinon and chlorpyrifos. These water quality criteria were compared to criteria developed by the U.S. Environmental Protection Agency (USEPA 1986;1998). The joint toxicity of diazinon and chlorpyrifos was also evaluated.

Thirteen new tests on the acute toxicity of diazinon to aquatic organisms were evaluated and 12 were accepted. These new values were pooled with values previously evaluated (Menconi and Cox 1994). The freshwater Final Acute Value (FAV) for diazinon was 0.16 µg/L. The freshwater Criterion Maximum Concentration (CMC) for diazinon was 0.08 µg/L. The draft CMC proposed by USEPA (1998) was 0.09 µg/L. No saltwater acute or chronic criteria were developed due to inadequate data. Six tests on the chronic toxicity of diazinon to aquatic organisms were evaluated and five were accepted. The freshwater Final Chronic Value (FCV) for diazinon was 0.05 µg/L. The freshwater Criterion Continuous Concentration (CCC) for diazinon was 0.05 µg/L. The USEPA (1998) did not propose a FCV or CCC for diazinon.

Twenty-five new tests on the acute toxicity of chlorpyrifos to aquatic organisms were evaluated and 13 were accepted. These new values were pooled with values previously evaluated (Menconi and Paul 1994). The freshwater FAV for chlorpyrifos was 0.05 µg/L. The freshwater CMC for chlorpyrifos was 0.02 µg/L. The freshwater CMC calculated by USEPA (1986) was 0.083 µg/L. The saltwater FAV for chlorpyrifos was 0.03 µg/L. The saltwater CMC was 0.02 µg/L. The saltwater CMC calculated by USEPA (1986) was 0.011 µg/L. One chronic toxicity test for chlorpyrifos was reviewed and accepted. The freshwater and saltwater FCVs for chlorpyrifos were 0.014 and 0.009 µg/L, respectively. The freshwater and saltwater CCCs for chlorpyrifos were 0.014 and 0.009 µg/L, respectively. Freshwater and saltwater CCCs calculated by USEPA (1986) were 0.041 and 0.0056 µg/L, respectively.

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