



COUNTY OF DEL NORTE
DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH BRANCH

880 Northcrest Drive
Crescent City, California 95531

Phone
(707) 464-3191

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Fax
(707) 465-1783

November 10, 2009

Mr. Alex Lee
Project Manager
Department of Toxic Substances Control
700 Heinz Avenue, Suite 200
Berkeley, CA 97410-2721

Dear Mr. Lee:

Enclosed is the Thirteenth Semiannual Groundwater Monitoring Report for the **Del Norte County Pesticide Storage Area** site, Crescent City, California.

If you have any questions about this matter, please contact me at (707) 464-3191 ext. 341.

Very truly yours,

Leon A. Perreault, R.E.H.S.
Director of Environmental Health

enclosure



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SEMIANNUAL GROUNDWATER MONITORING REPORT
THIRTEENTH SAMPLING CYCLE
October, 2009
Del Norte Pesticide Storage Area
Del Norte County Agriculture Department
2650 West Washington Boulevard
Crescent City, California
June 22, 2009

INTRODUCTION

This report summarizes the monitoring well sampling done by Del Norte County Health and Human Services Department, Environmental Health Unit, on October 12, 2009. The monitoring well sampling was done pursuant to an agreement between Del Norte County, The State of California Department of Toxic Substances Control (DTSC), and the Federal Environmental Protection Agency (EPA).

SITE HISTORY

The Del Norte Pesticide Storage Area is located approximately one mile north of Crescent City, California and is adjacent to Jack McNamara Field, the county airport. The site is relatively flat and lies approximately 42 feet above mean sea level. Groundwater has been estimated to flow toward the southeast

The Pesticide Storage Area was established as a point of consolidation for pesticide containers in Del Norte County. The containers were rinsed onsite and improper rinseate disposal resulted in soil and water contamination.

Groundwater treatment by EPA was conducted for a number of years. The treatment facility has been decommissioned and removed.

As part of a Consent Decree between DTSC, EPA and Del Norte County, Del Norte County Health and Social Services Department, Environmental Health Section is to conduct semiannual sampling of the four remaining monitoring wells for

1,2-Dichloropropane. Two pumping wells remain at the site, but no sampling of these wells is currently being done.

GROUNDWATER MONITORING FIELD ACTIVITIES

Groundwater sampling was done in accordance with the *Groundwater Monitoring Plan for Del Norte Pesticide Storage Area*, June 6, 2001.

Date of field activities:	October 12, 2009
Wells sampled:	MW-104, MW-105
Wells gauged:	MW-104, MW-105
Water analyses:	1,2-Dichloropropane
Laboratory:	North Coast Laboratories 5680 West End Road Arcata, California 95521

Depth to water:	MW-26	Not recorded
	MW- 104	8.79 feet
	MW-105	9.14 feet
	MW-107	Not recorded

Depth to water was measured with an Envirotech ET-H 100 water level meter.

Groundwater quality and hydrological data are presented in **Table 1**.
Historical groundwater level data and 1,2-Dichloropropane concentrations are presented in **Table 2**.

NOTES

In MW-105, the static water level was markedly lower after purging. Depth to water before purging was 7.59 feet and after purging was 9.14 feet. MW-104 again produced about a cupful fine of fine sand when purged.

Rainfall has been much below average since the last sampling event.

APPENDIX

Laboratory reports and chain of custody documents are presented in Appendix A.

Very truly yours,



Leon A. Perreault
Director of Environmental Health
California Registered Environmental Health Specialist #5740

Table 1
GROUNDWATER ELEVATIONS AND ANALYTICAL RESULTS
Del Norte Pesticide Storage Area
2650 West Washington Boulevard
Crescent City, California

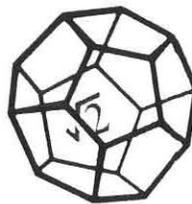
Well No.	Sampling Date	Depth to Water (feet)	1,2-Dichloropropane (ug/L)
MW-26	Not sampled during this cycle per agreement.		
MW-104	10/12/09	8.79	2.0
MW-105	10/12/09	9.14	6.5
MW-107	Not sampled during this cycle per agreement.		

Table 2
HISTORICAL GROUNDWATER
ELEVATIONS AND ANALYTICAL RESULTS
Del Norte Pesticide Storage Area
2650 West Washington Boulevard
Crescent City, California

Well No.	Sampling Date	Depth to Water (feet)	1,2-Dichloropropane (ug/L)
MW-26	09/18/02	6.36	ND
	04/28/03	1.22	ND
	10/07/03	6.80	ND
	07/07/04	5.25	ND
	02/07/05	2.59	ND
	09/14/05	5.89	ND
	03/20/06	1.90	ND
	04/16/07	2.21	ND
	11/05/07	4.37	ND
	04/30/08	3.04	ND
	10/15/08	6.57	ND
	04/22/09	3.62	ND
	10/12/09	Not recorded	Not sampled
MW-104	09/09/02	9.33	5.0
	04/25/03	3.35	2.4
	12/10/03	5.74	ND
	07/06/04	7.40	2.7
	02/07/05	4.75	1.5
	09/14/05	7.89	2.3
	03/20/06	4.00	4.0
	04/16/07	4.44	1.2
	11/05/07	6.50	1.2
	04/30/08	5.16	0.79
	10/15/08	8.45	2.4
04/22/09	5.41	0.58	
10/12/09	8.79	2.0	
MW-105	09/18/02	8.13	11.0
	04/28/03	3.20	6.6
	12/10/03	5.15	9.1
	07/07/04	7.11	11.0
	02/07/05	4.75	7.4
	09/14/05	7.82	9.9
	03/20/06	4.00	4.7
	04/16/07	4.19	5.3
	11/05/07	6.51	4.2
	04/30/08	5.18	10.0
	10/15/08	8.57	6.2
	04/22/09	5.62	9.6
10/12/09	9.14	6.5	

MW-107	09/09/02	9.61	ND
	04/25/03	4.33	ND
	12/10/03	6.79	Not sampled
	07/07/04	8.71	ND
	02/07/05	5.80	ND
	09/14/05	9.79	ND
	03/20/06	4.89	ND
	04/16/07	5.69	ND
	11/05/07	8.32	ND
	04/30/08	6.64	ND
	10/15/08	10.68	ND
	04/22/09	7.39	ND
	10/12/09	Not recorded	Not sampled

APPENDIX A



**NORTH COAST
LABORATORIES LTD.**

October 20, 2009

Del Norte County Health Department
880 Northcrest Drive
Crescent City, CA 95531

Order No.: 0910288

Invoice No.: 85604

PO No.:

ELAP No.1247-Expires June 2010

Attn: Leon Perreault

RE: Del Norte Ag Site

SAMPLE IDENTIFICATION

Fraction Client Sample Description

01A MW-104

02A MW-105

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY



Laboratory Supervisor(s)



QA Unit



Jesse G. Chaney, Jr.
Laboratory Director

Date: 20-Oct-2009
WorkOrder: 0910288

ANALYTICAL REPORT

Client Sample ID: MW-104
Lab ID: 0910288-01A

Received: 10/13/2009 Collected: 10/12/2009 10:15

Test Name: EPA 524.2

Reference: EPA 524.2

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
1,2-Dichloropropane	2.0	0.50	µg/L	1.0		10/16/2009
Surrogate: 1,2-Dichlorobenzene-d4	100	70-130	% Rec	1.0		10/16/2009
Surrogate: 1-Bromo-4-fluorobenzene	88.6	70-130	% Rec	1.0		10/16/2009

Client Sample ID: MW-105
Lab ID: 0910288-02A

Received: 10/13/2009 Collected: 10/12/2009 11:50

Test Name: EPA 524.2

Reference: EPA 524.2

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
1,2-Dichloropropane	6.5	0.50	µg/L	1.0		10/16/2009
Surrogate: 1,2-Dichlorobenzene-d4	95.6	70-130	% Rec	1.0		10/16/2009
Surrogate: 1-Bromo-4-fluorobenzene	91.2	70-130	% Rec	1.0		10/16/2009

