

Western Operations

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600
Fax (415) 426-0106
July 24, 1990

Clayton
ENVIRONMENTAL
CONSULTANTS

Clayton Project No: 28947.00

Mr. Gil Wistar
Hazardous Materials Specialist
ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Material Program
80 Swan Way, Room 200
Oakland, California 94621

Subject: Remedial Actions at
Valley Nissan Dodge (Formerly Lew Doty)
5787 Scarlett Court
Dublin, California

Dear Mr. Wistar:

Clayton Environmental Consultants, Inc. is pleased to submit the enclosed quarterly laboratory analytical report and the water sampling survey for the subject property. The groundwater samples were collected on July 11, 1990, from monitoring wells MW-1, MW-2, MW-3 and MW-4.

As we discussed in our telephone conversation on July 7, 1990, Clayton will perform the following tasks to satisfy conditions for approval of the work plan for soil and groundwater remediation at the subject property:

1. Treat the groundwater collected in the excavation pit until laboratory results show that the groundwater samples collected from the pit, and MW-3 and MW-4 have concentrations less than Department of Health Services (DHS) action levels for benzene, toluene, ethylbenzene, and xylenes.
2. Install an additional monitoring well (MW-5) east of the warehouse following completion of excavation work and groundwater treatment.
3. Sample and analyze groundwater from MW-5, MW-3 and MW-4 for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and xylenes quarterly for a period of 1 year.

Please contact me or Mr. Fred Moss at (415) 426-2600 if you have any questions.

Sincerely,



Dariush Dastmalchi
Geologist
Western Operations



Frederick G. Moss
Supervisor, Remediation Group
Western Operations

FGM/dd
Enclosures

Western Operations

1252 Quarry Lane
Pleasanton, CA 94566
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Clayton
ENVIRONMENTAL
CONSULTANTS

July 18, 1990

Mr. Alan Gibbs
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref. No. 28947.00
Work Order No. 9007078
Lab Client Code INT_EEP


Dear Mr. Gibbs:

Attached is our analytical laboratory report for the samples received on July 12, 1990. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of 30 days after the date of this report, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Maryann Gambino, Client Services Representative, at (415) 426-2657.

Sincerely,


Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/tb
Attachments

EPA METHOD 8015/8020
GASOLINE/BTEX

Sample I.D.: MW-3 Client: VALLEY NISSAN
 Sample Received: 07/12/90 Client Ref. No.: 28947.00
 Sample Analyzed: 07/12/90 Lab Client Code: INT_EEP
 Sample Matrix: WATER Lab No.: 9007078-03A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Benzene	71-43-2	19	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND = Not detected at or above limit of detection

EPA METHOD 8015/8020
 GASOLINE/BTEX

Sample I.D.: METHOD BLANK Client: VALLEY NISSAN
 Sample Received: 07/12/90 Client Ref. No.: 28947.00
 Sample Analyzed: 07/12/90 Lab Client Code: INT_EEP
 Sample Matrix: WATER Lab No.: 9007078-06A

Compound	CAS #	Concentration ug/L	Limit of Detection ug/L
Benzene	71-43-2	ND	0.4
Toluene	108-88-3	ND	0.3
Ethylbenzene	100-41-4	ND	0.3
Xylenes	1330-20-7	ND	0.4
Gasoline	-----	ND	50

ND = Not detected at or above limit of detection

Clayton

ENVIRONMENTAL
CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only	Page _____ of _____		
Project No.	28947?		
Batch No.	9007078		
Client No.			
Date Received	7/12/90	By	TS
Date Logged In	N	By	N

Purchase Order No.		Client Job No.		REPORT RESULTS TO	Name <u>ALAN GIBBS</u>		Title																																																																																														
SEND INVOICE TO	Name <u>ALAN GIBBS (CEC PLEASE)</u>		Company <u>CEC PLEASANTON</u>		Dept.																																																																																																
	Company <u>VALLEY NISSAN/DOODGE</u>		Address		Mailing Address																																																																																																
	Address <u>5787 SCARLETT CT</u>		City, State, Zip <u>DUBLIN, CA</u>		City, State, Zip																																																																																																
	Date Results Required: <u>STANDARD T/A</u>		Rush Charges Authorized? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Telephone No.		Telefax No.																																																																																														
Special Instructions: (method, limit of detection, phone results, rush results, etc.) <u>SEE ALAN FOR DET. LIMITS</u>				Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added*)																																																																																																
* Explanation of Preservative: <u>P-HCl</u>					<table border="1"> <tr> <td colspan="5" style="text-align: center;">THP (GAS)</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5" style="text-align: center;">ETEX</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5" style="text-align: center;">HOLD</td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="5"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>					THP (GAS)									ETEX									HOLD																																																																									
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CLIENT SAMPLE IDENTIFICATION			DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)						FOR LAB USE ONLY																																																																																										
<u>MW-1</u>			<u>7-11-90</u>	<u>H₂O</u>	<u>840ml</u>	<u>1</u>	<u>X</u>	<u>X</u>				<u>01A</u>																																																																																									
<u>MW-1 DUPLICATE</u>						<u>1</u>						<u>↓ B</u>																																																																																									
<u>MW-2</u>						<u>1</u>	<u>X</u>	<u>X</u>				<u>02A</u>																																																																																									
<u>MW-2 DUPLICATE</u>						<u>1</u>						<u>↓ B</u>																																																																																									
<u>MW-3</u>						<u>1</u>	<u>X</u>	<u>X</u>				<u>03A</u>																																																																																									
<u>MW-3 DUPLICATE</u>						<u>1</u>						<u>↓ B</u>																																																																																									
<u>MW-4</u>						<u>1</u>	<u>X</u>	<u>X</u>				<u>04A</u>																																																																																									
<u>MW-4 DUPLICATE</u>						<u>1</u>						<u>↓ B</u>																																																																																									
<u>Trip Blank (006290)</u>									<u>X</u>			<u>05A</u>																																																																																									
CHAIN OF CUSTODY (if required)		Relinquished by: <u>[Signature]</u>		Date/Time <u>7-11-90</u>		Received by: <u>[Signature]</u>		Date/Time																																																																																													
		Relinquished by:		Date/Time		Received at lab by: <u>[Signature]</u>		Date/Time <u>7:30 AM</u>																																																																																													
		Method of Shipment:				Sample condition upon receipt:		<u>7/12/90</u>																																																																																													
Authorized by: _____				Date _____																																																																																																	
(Client Signature Must Accompany Request)																																																																																																					

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

22345 Roethel Drive
Novi, MI 48050
(313) 344-1770

Raritan Center
160 Fieldcrest Ave.
Edison, NJ 08837
(201) 225-6040

400 Chastain Center Blvd., N.W.
Suite 490
Kennesaw, GA 30144
(404) 499-7500

1252 Quarry Lane
Pleasanton, CA 94566
(415) 426-2600

DISTRIBUTION:

WHITE - Clayton Laboratory
YELLOW - Clayton Accounting
PINK - Client Retains

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job No. 28947.00 **Site:** Valley Nissan/Dodge **Date:** 07/11/90

Well No. MW-1 **Sampling Team:** G. Williams

Sampling Method: Elec. Sub Pump/Bailer

Field Conditions: Clear/Warm

Describe Equipment D-Con Before Sampling This Well: TSP Wash/D.I. H₂O Rinse

Total Depth of Well: 15.25 feet **Time:** 12:00 **Depth to Water Before Pumping:** 5.83 feet

<u>Volume Height of Water Column (feet)</u>	*	<u>Diameter</u>		=	<u>Volume</u>	gal	*	<u>Purge Factor</u>	=	<u>To Purge</u>
		<u>2-inch</u>	<u>4-inch</u>							
9.42	*	.16	.65	=	6.123	gal	*	5	=	30.615

Depth Purging From: _____ feet **Time Surging Begins:** _____

Notes on Initial Discharge: _____

<u>Time</u>	<u>Volume Purged</u>	<u>pH</u>	<u>Conductivity</u>	<u>Temperature</u>	<u>Notes</u>
1540	5'	7.2	5000+	70°F	Clear
1555	15	7.5	5000+	71°F	Clear
1610	20	7.5	5000+	71°F	Clear
1625	25	7.0	5000+	71°F	Clear
1635	25	7.0	5000+	71°F	Clear
1640	35	7.0	5000+	71°F	Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

**WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Time Field Parameter Measurement Begins: 1642

	<u>Rep No. 1</u>	<u>Rep No. 2</u>	<u>Rep No. 3</u>	<u>Rep No. 4</u>
pH	7.2	7.0	7.0	6.9
Conductivity	5000+	5000+	5000+	5000+
T°C	69°	69°	69°	69°

Pre-Sample Collection Gallons Purged: 35

Time Sample Collection Begins: 1645

Time Sample Collection Ends: 1650

Total Gallons Purged: 36

Comments: None

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job No. 28947.00 **Site:** Valley Nissan/Dodge **Date:** 07/11/90

Well No. MW-2 **Sampling Team:** G. Williams

Sampling Method: Elect. Sub Pump/Bailer

Field Conditions: Clear/Warm

Describe Equipment D-Con Before Sampling This Well: TSP Wash/D.I. H₂O Rinse

Total Depth of Well: 16.55 feet **Time:** 1155 **Depth to Water Before Pumping:** 5.74 feet

<u>Volume Height of Water Column (feet)</u>	<u>Diameter</u>		=	<u>Volume</u>	*	<u>Purge Factor</u>	=	<u>To Purge</u>	
	<u>2-inch</u>	<u>4-inch</u>							
10.81	*	.16		+0.26	gal	*	5	=	35.13

Depth Purging From: 9.5 feet **Time Surging Begins:** _____

Notes on Initial Discharge: _____

<u>Time</u>	<u>Volume Purged</u>	<u>pH</u>	<u>Conductivity</u>	<u>Temperature</u>	<u>Notes</u>
1625	10	7.4	5000+	71	Sandy/Pumped Dry
1635	15	7.2	5000+	71	Strong Gas Odor
1710	20	7.4	5000+	71	Clear
1712	25	7.2	5000+	71	Clear
1725	30	7.2	4900	71	Clear
1740	35	7.2	5000+	71	Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

**WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)**

Time Field Parameter Measurement Begins: 1745

	<u>Rep No. 1</u>	<u>Rep No. 2</u>	<u>Rep No. 3</u>	<u>Rep No. 4</u>
pH	7.6	7.4	7.4	7.4
Conductivity	5000+	5000+	5000+	5000+
T°C	71	70	71	71

Pre-Sample Collection Gallons Purged: 35

Time Sample Collection Begins: 1745

Time Sample Collection Ends: 1755

Total Gallons Purged: 36

Comments: None.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job No. 28947.00 **Site:** Valley Nissan/Dodge **Date:** 07/11/90

Well No. MW-3 **Sampling Team:** G. Williams

Sampling Method: Sub-Pump - Disposable Bailer

Field Conditions: Partly Cloudy/Warm

Describe Equipment D-Con Before Sampling This Well: TSP Wash/D.I. H₂O Rinse

Total Depth of Well: 14.10 feet **Time:** 1230 **Depth to Water Before Pumping:** 5.48 feet

<u>Volume Height of Water Column (feet)</u>	<u>Diameter</u>		=	<u>Volume</u>	gal	*	<u>Purge Factor</u>	=	<u>To Purge</u>
	<u>2-inch</u>	<u>4-inch</u>							
8.62	*	.16		5.603		*	5		28.015

Depth Purging From: _____ feet **Time Surging Begins:** _____

Notes on Initial Discharge: _____

<u>Time</u>	<u>Volume Purged</u>	<u>pH</u>	<u>Conductivity</u>	<u>Temperature</u>	<u>Notes</u>
1420	5	7.6	5000+	70°F	Turbid
1424	10	7.5	5000+	70°F	Partly Clear/Sandy
1425	15	7.4	5000+	68°F	Clear
1440	20	7.8	4600	68°F	Clear
1450	25	7.8	4400	68°F	Clear
1500	30	7.9	4200	68°F	Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Time Field Parameter Measurement Begins: _____

	<u>Rep No. 1</u>	<u>Rep No. 2</u>	<u>Rep No. 3</u>	<u>Rep No. 4</u>
pH	7.9	7.6	7.6	7.5
Conductivity	3700	3900	4000	39000
T°C	68	68	68	68

Pre-Sample Collection Gallons Purged: 30

Time Sample Collection Begins: 1315

Time Sample Collection Ends: 1320

Total Gallons Purged: 31

Comments: None.

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

WATER SAMPLING FIELD SURVEY FORM

Job No. 28947.00 **Site:** Valley Nissan/Dodge **Date:** 07/11/90

Well No. MW-4 **Sampling Team:** G. Williams

Sampling Method: Electric Sub-Pump/Disposable Bailer

Field Conditions: Partly Cloudy/Warm

Describe Equipment D-Con Before Sampling This Well: TSP/Steam/D.I. H₂O

Total Depth of Well: 19.35 feet **Time:** 1145 **Depth to Water Before Pumping:** 5.12 feet

<u>Volume Height of Water Column (feet)</u>	<u>Diameter</u>		<u>Volume</u>	<u>Purge Factor</u>	<u>To Purge</u>
	<u>2-inch</u>	<u>4-inch</u>			
14.23 *	.16	.65	= 9.249 gal *	5	= 46.24
Depth Purging From: 13.0 feet	Time Surging Begins: _____				

Notes on Initial Discharge: _____

<u>Time</u>	<u>Volume Purged</u>	<u>pH</u>	<u>Conductivity</u>	<u>Temperature</u>	<u>Notes</u>
1330	10	7.6	3300	68	Turbid
1335	20	7.4	4600	68	Partly Clear
1340	30	7.4	5000	68	Partly Clear
1345	40	7.5	5000+	68	Partly Clear
1350	50	7.4	5000+	68	Partly Clear

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
WATER SAMPLING FIELD SURVEY FORM
(CONTINUED)

Time Field Parameter Measurement Begins: _____

	<u>Rep No. 1</u>	<u>Rep No. 2</u>	<u>Rep No. 3</u>	<u>Rep No. 4</u>
pH	7.6	7.4	7.4	7.3
Conductivity	5000+	5000+	5000+	5000+
T°C	68	68	68	68

Pre-Sample Collection Gallons Purged: 50

Time Sample Collection Begins: 1355

Time Sample Collection Ends: 1359

Total Gallons Purged: 51

Comments: None.