LETTER OF TRANSMITTAL

TO: Susan Hugo

Alameda County Health Agency Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor

Alameda, California 94502

DATE:

20 November 2001

PROJ. NO. 990016.04

PROJECT: Simeon

64th Street Properties Emeryville, California

WE ARE SENDING YOU THE FOLLOWING:

One Copy of the Quarterly Groundwater Monitoring Report for October to December 2001 for the 64th Street Properties located in Emeryville, California.

Please call Derby Davidson or myself at 650-292-9100 if you have any questions or need additional information.

Very truly yours,

ERLER & KALINOWSKI, INC.

Cantil & Kal &

Christopher Kubacki

If enclosures are not as noted, please advise us at once.

NOV 27 2001

Quarterly Groundwater Monitoring Report October to December 2001

64th Street Properties Emeryville, California

Prepared for:

Simeon Commercial Properties San Francisco, California

Prepared by:

Erler & Kalinowski, Inc. (EKI 990016.04)

20 November 2001

Erler & Kalinowski, Inc.

Consulting Engineers and Scientists 1870 Ogden Drive Burlingame, California 94010 (650) 292-9100 Fax: (650) 552-9012



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20 November 2001

Ravi Arulanantham, Ph.D. California Regional Water Quality Control Board San Francisco Bay Region 1515 Clay Street, Suite 1400 Oakland, California 94612

Susan Hugo Alameda County Health Agency Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502

Subject:

Quarterly Groundwater Monitoring Report

October to December 2001

64th Street Properties, Emeryville, California

(EKI 990016.04)

Dear Dr. Arulanantham and Ms. Hugo:

On behalf of Simeon Commercial Properties, Erler & Kalinowski, Inc., is pleased to present this report summarizing results of quarterly groundwater monitoring activities conducted at the 64th Street Properties located at 1480 64th Street, Emeryville, California from October to December 2001. If you have any questions, please call.

Very truly yours,

ERLER & KALINOWSKI, INC.

Christopher D. Kubacki

Staff Engineer

Derby Davidson, P.E.

Project Engineer

cc: Pierson Forbes, Simeon Commercial Properties

Maurice Kaufman, City of Emeryville



Quarterly Groundwater Monitoring Report October to December 2001 64th Street Properties Emeryville, California

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Quarterly Groundwater Monitoring Report October to December 2001 64th Street Properties Emeryville, California

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November 2001



1.0 INTRODUCTION

On behalf of Simeon Commercial Properties ("Simeon"), Erler & Kalinowski, Inc. ("EKI") is pleased to present this report summarizing the results of quarterly groundwater monitoring activities conducted at the 64th Street Properties located at 1480 64th Street in Emeryville, California ("Site") from October to December 2001. The location of the Site is shown on Figure 1.

Groundwater monitoring at the Site for this quarter was conducted in November 2001 and in accordance with the *Final Risk Management Plan for the 64th Street Properties*, dated 30 August 1999 ("RMP"). The RMP was approved by the California Regional Water Quality Control Board, San Francisco Bay Region ("RWQCB"), and the Alameda County Department of Environmental Health ("ACDEH") in a letter dated 15 October 1999. The RMP requires installing four monitoring wells on the Site (i.e., SMW-1, SMW-2, SMW-3, and SMW-4), measuring water levels quarterly in these four monitoring wells, collecting groundwater samples quarterly from these wells, and analyzing the groundwater samples for total extractable petroleum hydrocarbons as diesel ("TEPH") quarterly and volatile organic compounds ("VOCs") annually. The approximate locations of these wells are shown on Figure 2. Data from these monitoring events are reported quarterly to the RWQCB and the ACDEH.

The objectives of the groundwater monitoring program are to monitor TEPH and VOC concentrations in groundwater at the perimeter and downgradient of the Site and verify the stability or decline of TEPH concentrations over time. During the October to December 2001 groundwater monitoring event, groundwater samples collected from the four monitoring wells were analyzed for TEPH. Groundwater samples were not analyzed for VOCs, as the RMP requires annual VOC analysis, which was performed in February 2001.

2.0 GROUNDWATER MONITORING

Quarterly monitoring at the Site includes measuring groundwater levels and collecting groundwater samples from Site monitoring wells SMW-1 through SMW-4 (Figure 2). EKI conducted monitoring activities at the Site on 2 November 2001.

2.1 Water Level Monitoring

Prior to sampling, EKI measured water levels in each well using a pre-cleaned electronic sounding tape. Water level data obtained by EKI was used to assess the magnitude and direction of the hydraulic gradient in the shallow water-bearing zone at the Site (see Section 3.1 below). Historic measured water level data and water level data collected in November 2001 are summarized in Table 1.



2.2 Groundwater Sampling and Laboratory Analyses

Prior to sampling, groundwater was purged until at least three of four parameters (temperature, specific conductance, pH, and turbidity) stabilized. Approximately three well-casing volumes of groundwater were removed from each well. Groundwater samples were collected from wells SMW-1, SMW-2, SMW-3, and SMW-4. Copies of groundwater purge sample forms are included in Appendix A.

Groundwater samples from the wells were collected using PVC bailers suspended by nylon string. Separate disposable PVC bailers were used at each well. Well SMW-4, which contains a thin layer of floating product (i.e., less than 0.03 feet), was sampled through a stilling tube.

Rinsate from equipment cleaning and purged groundwater from the wells were contained and stored on-Site in 55-gallon drums. Simeon will dispose of the rinse water and purged groundwater in accordance with applicable laws and regulations.

Groundwater samples were labeled, logged on a chain-of-custody document, and packed on ice in a chilled ice chest for transport to the laboratory. Samples were analyzed by Curtis & Tompkins, Ltd., for TEPH with silica gel cleanup using EPA Method 8015M. Analytical results for the 2 November 2001 monitoring event are summarized in Table 2 and are shown on Figure 3. Copies of laboratory reports from these groundwater analyses are included in Appendix B. Groundwater analytical results are discussed in Section 3.2 below.

3.0 EVALUATION OF HYDRAULIC GRADIENT AND GROUNDWATER SAMPLING RESULTS

This section summarizes (a) hydraulic groundwater gradient information obtained at the Site on 2 November 2001, (b) groundwater analytical results from on-Site groundwater monitoring conducted on 2 November 2001, and (c) quality control results.

3.1 Hydraulic Gradient

The groundwater potentiometric surface contour map for the Site shallow water-bearing zone shown on Figure 2 is based on water levels measured in wells SMW-1, SMW-2, SMW-3, and SMW-4 on 2 November 2001. As shown on Figure 2, the direction of the hydraulic gradient in the shallow water-bearing zone is westerly across the southwestern portion of the Site. The estimated magnitude of the hydraulic gradient across the Site is 0.009 for November 2001.

3.2 Groundwater Analytical Results

Current and historic TEPH data detected in groundwater samples collected from wells SMW-1, SMW-2, SMW-3, and SMW-4 are summarized in Table 2 and on Figure 3. Data presented on Figure 3 also include analytical results of grab groundwater samples



collected in 1995 and 1999, as presented in *Phase I and Phase II Environmental Site Assessment for 64th Street Properties*, dated 20 May 1999 ("ESA").

In November 2001, individual TEPH concentrations were not detected above 50 micrograms per liter ("ug/L") in groundwater samples collected from downgradient monitoring wells SMW-1, SMW-2, and SMW-3. TEPH was detected at 260 ug/L in the groundwater sample collected from monitoring well SMW-4 in November 2001. As indicated above, the groundwater sample from monitoring well SMW-4 was collected through a stilling tube because of the presence of a thin layer of floating product. The measured TEPH concentrations should represent levels dissolved in groundwater on the southern property boundary.

As shown on Figure 3, TEPH data from November 2001 are generally consistent with or have decreased in comparison to prior Site data. Significant off-site migration of TEPH from the former refinery does not appear to have occurred.

3.3 Quality Control Results

All QA/QC analytical results, including matrix spike/matrix spike duplicates, laboratory blanks, and surrogates, were within (a) generally accepted laboratory QA/QC protocols and (b) requirements of the laboratory's internal quality control procedures. The data collected during the November 2001 monitoring event are considered acceptable and useable for their intended use.

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA

64th Street Properties, Emeryville, California

Well Number	Date	Well Elevation (1) (Feet Above MSL)	Depth to Water (Feet)	Groundwater Elevation (Feet Above MSL)
SMW-1	01-Feb-01	12.21	5.68	6.53
	24-May-01	12.21	5.67	6.54
	07-Aug-01	12.21	5.92	6.29
	02-Nov-01	12.21	5.78	6.43
SMW-2	01-Feb-01	11.54	4.67	6.87
	24-May-01	11.54	4.92	6.62
	07-Aug-01	11.54	5.35	6.19
	02-Nov-01	11.54	5.08	6.46
SMW-3	01-Feb-01	12.31	5.60	6.71
	24-May-01	12.31	5.63	6.68
	07-Aug-01	12.31	6.10	6.21
	02-Nov-01	12.31	5.95	6.36
SMW-4	01-Feb-01	12.25	2.41 (2)	9.84 (2)
	24-May-01	12.25	2.43 (2)	9.82 (2)
	07-Aug-01	12.25	2.20(2)	10.05 (2)
	02-Nov-01	12.25	2.10(2)	10.15 (2)

Notes:

- (1) Surveyed elevation from mark on the top of the PVC casing; feet above mean sea level.
- (2) A thin layer of floating product was observed in this well. The floating product thickness was less than 0.03 feet.

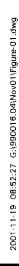
TABLE 2 SUMMARY OF GROUNDWATER CHEMICAL ANALYTICAL DATA

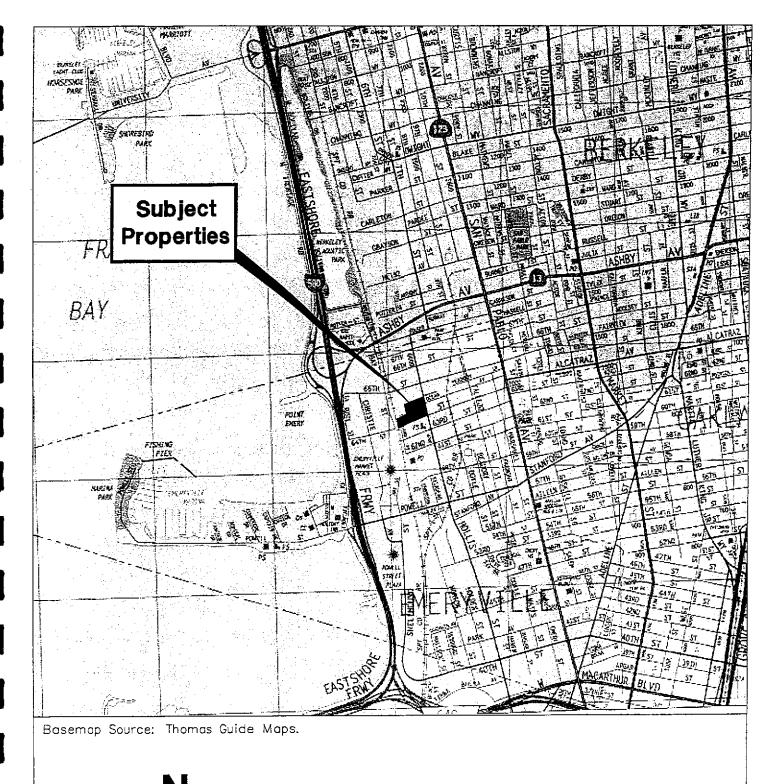
64th Street Properties, Emeryville, California

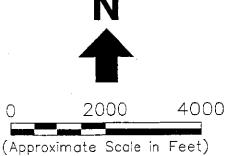
Data	TEPH (ug/L) (1) (2)							
Date -	SMW-1	SMW-2	SMW-3	SMW-4				
01-Feb-01	<50 (3)	<50	140	360				
24-May-01	<50	<50	74	300				
07-Aug-01	<50	<50	140	280				
02-Nov-01	<50	<50	<50	260				

Notes and abbreviations:

- (1) TEPH = total extractable hydrocarbons (quantified as diesel). Samples were analyzed after performance of a silica gel cleanup in the laboratory.
- (2) ug/L = micrograms per liter (ppb)
- (3) <50 = not detected at laboratory detection limit of 50 ug/L







Notes:

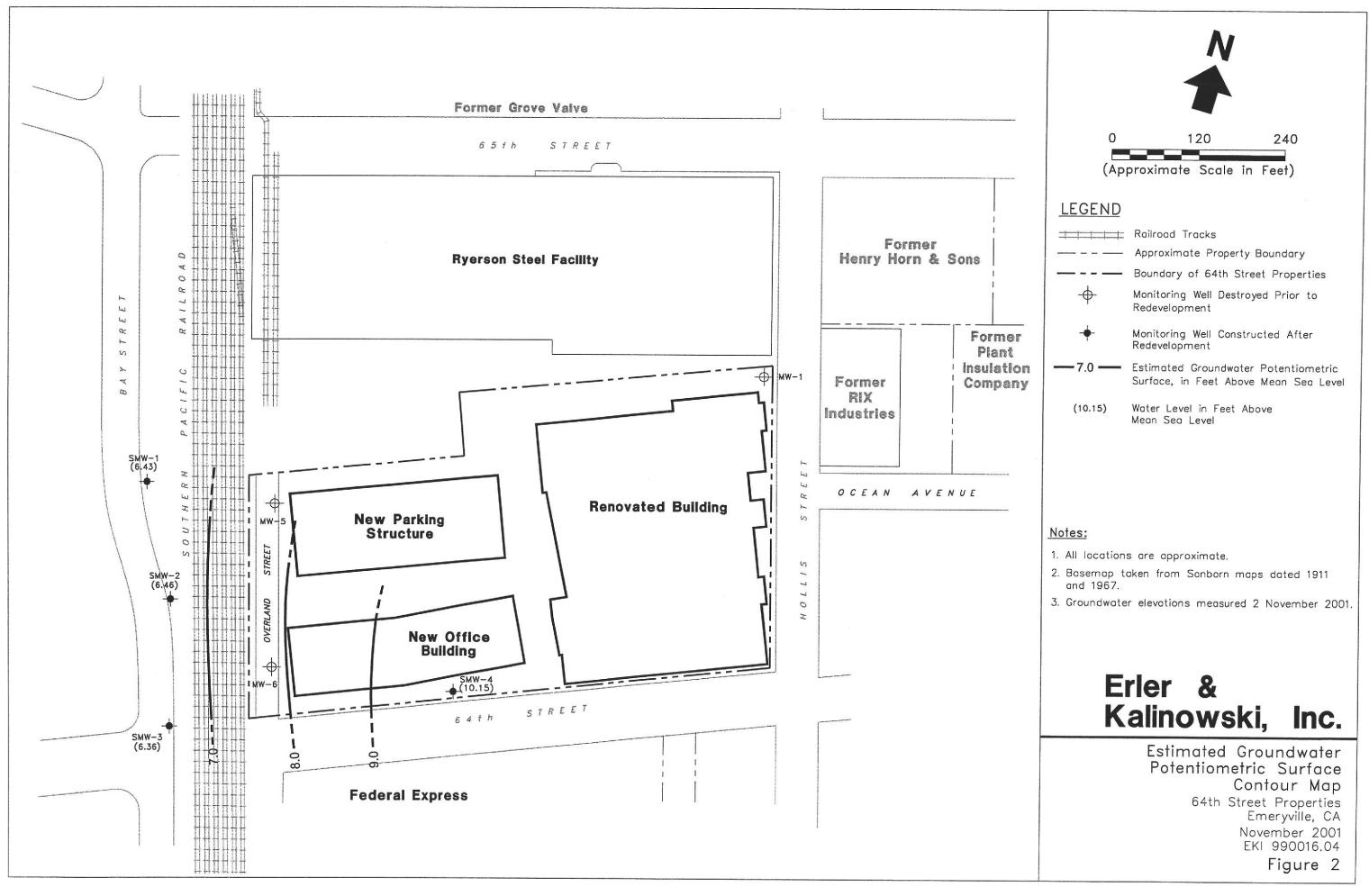
1. All locations are approximate.

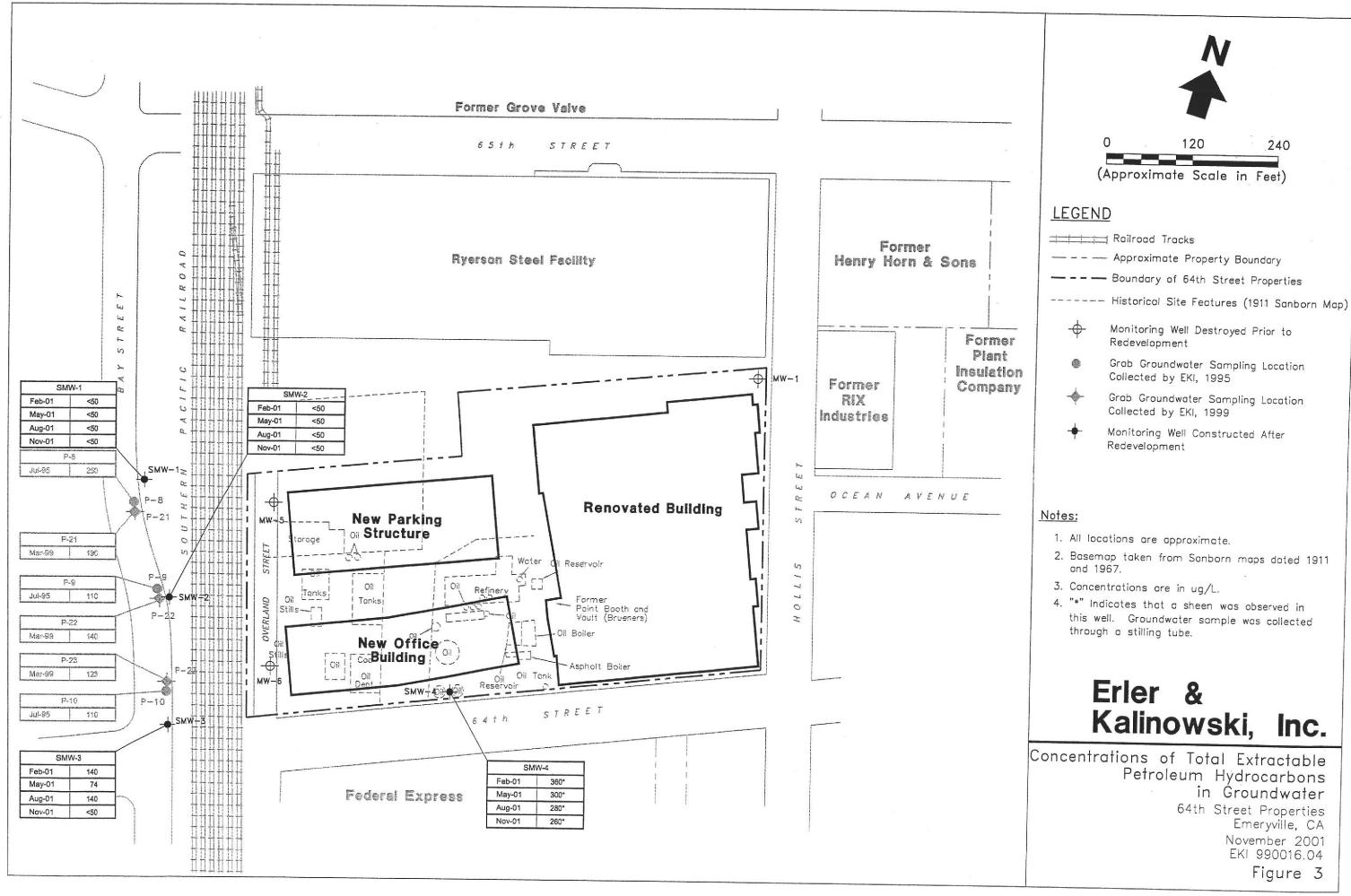
Erler & Kalinowski, Inc.

Site Location

64th Street Properties Emeryville, CA November 2001 EKI 990016.04

Figure 1







APPENDIX A

Groundwater Purge Sample Forms for November 2001

PROJECT NAME: Simes	n- Eme	enville					DATE:	11/21	æ.	
PROJECT NUMBER: 9901	16-04	WELL	NUMBER	: Sin	N-		PERSC	NNEL:	Kerk	ack:
WELL VOLUME CALCULA					•					
Depth of Depth t	0			Water			Multiplie	er	Ca	sing Vol.
Well (ft.) Water (ft.)		**	Column ((below)			(gallons)
15 - 5.78	/		=	9.22		*	0.64	=	5	9
Mult. for casing diam. = 2-inch=0.16; 4-in	nch=0.64		*****							
DUDOE METIOD.						INST	RUMENT		ATION Field	Standard
PURGE METHOD:	Rai	ler				Instru	ment		riela Isure	measure
Submersible pump Peristaltic pump	C .	ther _	-				activity,			
					٠,		limhos/cm @			_
PURGE DEPTH:						рH		7.0	,	7-00
START TIME: 7:30	END TIN	ME: 7:	53			Turbid	lity, NTU 0.7	7.1 	ر ش	0.02
OTTACE THEFT			······································					.,		
TOTAL CALLOND DUDGE	D.					Temps				
TOTAL GALLONS PURGE SAMPLES: Field I.D.	<u>υ.</u>	Т	īme Collected			Depth	Probe# Containers	& Presents	ation	
80		1	mie conecter	į			Containers	A TESEIVE	ILIUII	
See Coc										
SAMPLE METHOD: Bailer	Y o	ther								
COMMENTS: Rust colo	What Wa	the list	h stee	L A. 1.) أ. ص	40 v	Bailea	a wat	in.	1-0/1
COMMENTS: Rust colo	eckin	openh	~ well	والماكات	Littl	, rnst	testorned	water	k Das	Sale Car
Time		,								
	7:38	7:42	7:47	7:51	7:5	3				
Volume Purged										
(gallons)	4	8	12	16	18	,				
Temperature	_									
(degrees C)	20.1	20.3	20.4	20.4	20	5				
рH						_				
	6.85	6.84	6.84	6.85	6.8	5			_	
Specific Conductivity										
@ 25 C (millimhos/cm)	0.900	0922		0.935	0.93					
Turbidity (NTU)	Cloudy	clary	Shiftly Change	51.267	51.54	1				
/Appearance	milky		clips	Clar	ile	ri				
Depth to Water	72.1	@ 10	0	911	07					
	7.24	8.10	8.55	9.27	9.3	4			+	
Number of Casing	ال ا	121	7	77.	, n	ا				
Volumes removed	t. 63)	1.36	2.03	2.71	3.0.	2	-		+	
Purge Rate										
(gallons/minute)		1				i			1	

PROJECT NAME: Sime	DA.	TE: //	2/01						
PROJECT NUMBER: 990		4	NUMBER	: Smul	-2	PE	RSONN	EL:K	abacli
WELL VOLUME CALCULA						5 .			
Depth of Depth t	0			Water	32	Mult	iplier		Casing Vol.
Well (ft.) Water (Column (:	ft.)	(bel	ow)		(gallons)
15. 508	·		=	9.92		* 0.4	04	=	6.3
Mult. for casing diam. = 2-inch=0.16; 4-ir	nch=0.64								
						NSTRUM	ENT CAL		
PURGE METHOD:	P-4	100			١,	nstrument		Fie measur	
Submersible pump <u>×</u> Peristaltic pump	בפת	ther	-		1-	conductivity,		11100001	111323213
reitscarite bomb		_				(millimhos	cm @ 25C)		
PURGE DEPTH:		· · ·	780			Н	SEE	Sm	W-1
START TIME: 18:45	ENID TH	AE. 9.	re		100	п			3
START TIME: 17-18	END III	/IE	3.		1,	urbidity, NT	,		
					T	emperature			
TOTAL GALLONS PURGE	D:					epth Probe#			
SAMPLES: Field I.D.		I	ime Collected			Conta	ainers & Pr	eservatio	0
See COC									
et .									
SAMPLE METHOD: Bailer. COMMENTS:	<u> </u>	ther							
Time			T		T		T		
THIE	8:49	853	8:57	9:00	9:0	3			
Volume Purged			9 /	1-00	,			,	
(gallons)	4	8	12	16	19				
Temperature			1	, ,					
(degrees C)	19.8	19.5	20.4	20.4	20.4				
рН	6.52	6.62	6.70	6.71	6.7	2			
Specific Conductivity				,	Cort				
@ 25 C (millimhos/cm)	0.838	0.870	0.878	0.880	0.87	ş [,]			
Turbidity (NTU)	clinan-	stightly	563613	stighty -	dia				
/Appearance	51-54-3	Chick	closery-	dia	She this	wx .			
Depth to Water	1								
	5-83	620	6-34	6.46	665	-			
Number of Casing									
Volumes removed	0.63	1.27	1.90	2.54	3.02	-			
Purge Rate									
(gallons/minute)						1			

PROJECT NAME: S. No	un-Fin	ergrille	- .			DATE:	11/2/0	1
PROJECT NUMBER: 990	10/6.04	WELL	NUMBER	R: Simh	V-3	PERSO	NNEL:/	Kinbert:
WELL VOLUME CALCULA								
Depth of Depth t	to			Water		Multiplie	r	Casing Vol.
Well (ft.) Water	(ft.)		47			(below)		(gallons)
15 - 5.95			=	9.05		* 0.64	=	5.8
Mult. for casing diam. = 2-inch=0.16; 4-i	nch=0.64							
DUDOE METUOD.		y)	,			INSTRUMENT (
PURGE METHOD: Submersible pump &	Bai	ler				Instrument	meas	ield Standard measure
Peristaltic pump		other	- .		1	Conductivity,	111000	<u></u>
		n e	4	- 8 		(millimhos/cm @	25C)	
PURGE DEPTH:			12		- 1	pH 50	F 57	m/w/-/
START TIME: 9:50	END TIN	ME: (A)	15		- 1	oH Turbidity, NTU	.	02-1
01/4(1 11101 L). 7.3 <u>[</u>]						randian, it.		
					- 1	Temperature		
TOTAL GALLONS PURGE	:D:][Depth Probe#		
SAMPLES: Field I.D.]	ime Collecte	<u>d</u>		Containers of	& Preservati	<u>on</u>
SEE C								
distraction	A						very sli	gist salting les
Slight Sulfing oder SAMPLE METHOD: Bailer	X	ther	feel, no	oder at	ter pin	white (plat)	etter jo	compy 18 sel
COMMENTS:	1	, i i i i i i i i i i i i i i i i i i i			<i>(</i>	9./ 4	1	11.1.
COMMENTS: Rest colored prior to enlocky we Time	1 Water	ik hadl	bex up	to top o	t Cary	n scalled was	The part have	the we had
Time	Zejs.,	45182 mes C	Jen 12 Trole	let Letter	ENC TO	and aday wa	itis brown	1 70 Savale
Title	1000	10	1	10:12		1		
Volume Purged			4	10.12	10.0	7		
(gallons)	4	8	12	16	18			
Temperature	· ·	9		/ E				
(degrees C)	22.8	22.8	22.7	22.7	72.	7		
рН	6.88			6.93				
	48	6.85	6.88	1	6.9	3		
Specific Conductivity								
@ 25 C (millimhos/cm)	1.100	6.211	1.135	1.14	1.13	9		
Turbidity (NTU)	Slightly Chil	Clear.	Clear-	clear	Clas			
/Appearance	chardy.	Elighty Change						
Depth to Water		1						
during purge (feet)	8.05	9.46	11.10	12.18	12.3	4		
Number of Casing								
Volumes removed	0.69	1.38	2-07	2.76	3.10			
Purge Rate								
(gallons/minute))							

PROJECT NAME: Sim	eon-E	menyvi	Me.			DATE:	11/2/01	
PROJECT NUMBER: 990	016.04	WELLI	NUMBER	R: Sm	W-4	PERSO	NNEL: K	Sacti
WELL VOLUME CALCULA	ATION:				•	•		
Depth of Depth t	:0			Water		Multiplie	r	Casing Vol
Well (ft.) Water	ft.)			Column (ft.)	(below)		(gallons
15 - 2.10			=	12.9	9	0.64	= 8.	25
Mult. for casing diam. = 2-inch=0.16; 4-i	nch=0.64							
					INS	STRUMENT (CALIBRATIO	
PURGE METHOD:	7	11			land		Field	Standan
Submersible pump Peristaltic pump	Ba.	ller Other	-		1	<u>rument</u> iductivity,	measure	measure
reitstattic pump	`			-		illimhos/cm @	25C)	
PURGE DEPTH:					pН	SEE	5 Sph	i-1
START TIME: 11:45	END TIM	/F: /7:	20		pH Turk	oidity, NTU	57 00	,/
STAINT THVIL. 7(-9)	LIND III	VII. [2	53		1, 4,1	naity, NTO		
	-				1	perature		
TOTAL GALLONS PURGE	D:				Dep	th Probe#		
SAMPLES: Field I.D.		I	ime Collecte	<u>d</u>		Containers	& Preservation	
SEFCOC								
CAMPLE METUOD: Pollor	V a	thor						
SAMPLE METHOD: Bailer	× C							
COMMENTS: Sulfing Through	a chir	the pul	In wat	Co- 500	apha s	324 und war	for	
Time 7hovy	h stil	G- This	1 161	in legh .	of product	on ty ex	exister in	-051g.
Time								Ū
Volume Burged	[[.]	11.51	12.00	12:14	112:22	12:31		
Volume Purged (gallons)	2	4	8	12	16	20		
Temperature			1 0	1 2	10			
(degrees C)	20.2	202	20.3	Zo.3	20.3	202		
pH (degrees C)	6, 6, 62	20.5	00.5	20,3	3	203		
P. 1	6.83	6.85	6.84	6.85	6.86	6.86		
Specific Conductivity								
@ 25 C (millimhos/cm)	1.084	1.081	1.081	1.078	1.079	1.380		
Turbidity (NTU)	Cloudy	Clinky forbid	stightly	stightly	Strath,	Slightly	2	
/Appearance	turbed.	from &	Stightly Change	Chand,	nollE	milled'		
Depth to Water	0		1		4	0		
during purge (feet)	2.45	2.40	2.62	2:70	268	282		
Number of Casing								
Volumes removed	0.24	0.48	097	1.45	194	2.42		
Purge Rate	,							
(gallons/minute)								



APPENDIX B

Laboratory Analytical Reports and Chain of Custody Documents for November 2001



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900



ANALYTICAL REPORT

Prepared for:

Erler & Kalinowski, Inc. 1870 Ogden Drive Burlingame, CA 94010-5306

Date: 16-NOV-01 Lab Job Number: 155232 Project ID: 990016.04

Location: Simeon. 64th street prop.

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:

Operations Manager

This package may be reproduced only in its entirety.

CA ELAP # 1459

Page 1 of 6

155232

Erler & Kalinowski, Inc.

CHAIN OF CUSTODY RECORD

CONSULTING ENGINEERS AND SCIENTISTS			1	1870 Ogden Drive, Burlingame, California 94010 PHONE: (650) 2					0) 292-9	92-9100 FAX: (650) 552-9012					
Project Name Simeon 64th Street for	eps.	Project No.	990016	76-19			SES F	REQUESTED EKI COC No.				OC No.			
Project Location Emissyrille . CM	-p	Laboratory	A's & -	Tomptin	1/51/20 EPAP										
report results to.	Sampled By	:			e) E (L									۵۵	
Perby Devides. Field Sample Lab Identification Sample No.	Date	Time	Type of Sample	No. of Containers / Preservative	GelCh									REQUESTED TURNAROUND	Remarks
SMW-E SMW-2	11/2/07	8:02	water	2 Andonlitters	X							7		Stared	UN 10-day
5mh-3		10.25	* 1	ZAnder liter	X				_	onk	8	,		- 71	
SMW-4	Li	12:38	l.	2 Amsa liter	X		R	eceive	Ambi	nt	R L			2,	
						1	Co	9							
								_	Preser	valion	COTTE	AIN.		_	
							+		7 A82						
Special Instructions: Analyze 500	10.011.0	TO	si di se	1.154	Cal	(-)				ch s					
(A)		- () · t			,						M				
Relinquished by: (Signature) Relinquished by: (Signature)				Date ///2 (o. /	Time /3:/	15	At		-	3	57	·	a	<u> </u>	
Relinquished by: (Signature)				Date	Time			ed by: (10		1	
Constant of Constant of	-			Date	Time		Receiv	ed by: (Signati	ıre)					



Total Extractable Hydrocarbons Lab #: 155232 Location: Simeon. 64th street prop. EPA 3520C 8015B(M) Erler & Kalinowski, Inc. Prep: Analysis: Client: Project#: 990016.04 Sampled: 11/02/01 Matrix: Water Received: 11/02/01 Units: ug/L 11/12/01 11/14/01 Diln Fac: 1.000 Prepared: Batch#: 67919 Analyzed:

Field ID: Type:

SMW-1

SAMPLE

Lab ID:

155232-001

Cleanup Method: EPA 3630C

Analyte Diesel C10-C24

Result ND

Surrogate 3.4.4 Hexacosane

rield ID:

ype:

SMW-2

Lab ID:

155232-002

SAMPLE

Cleanup Method: EPA 3630C

Analyte Diesel C10-C24

Result

ND

50

Surrogate Hexacosane

%REC Limits 44-121

ield ID:

Type:

SMW-3 SAMPLE Lab ID:

155232-003

Cleanup Method: EPA 3630C

Analyte Diesel C10-C24 Result

Surrogate *REC Limits Hexacosane 44-121

Field ID:

ype:

SMW-4

SAMPLE

Lab ID:

155232-004

Cleanup Method: EPA 3630C

Analyte

Result

Diesel C10-C24

260 Y

50

Surrogate

Hexacosane

%REC Limits 44-121

BLANK

Cleanup Method: EPA 3630C

00161972

Analyte

Result RL

Diesel Cl0-C24

Surrogate

Hexacosane

%REC Limits 44-121

Y= Sample exhibits fuel pattern which does not resemble standard ND= Not Detected RL= Reporting Limit Page 1 of 1

86

Chromatogram

Sample Name: 155232-004sg,67919 FileName : G:\GC15\CHB\316B076.RAW

Method : BTEH309.MTH Start Time : 0.01 min

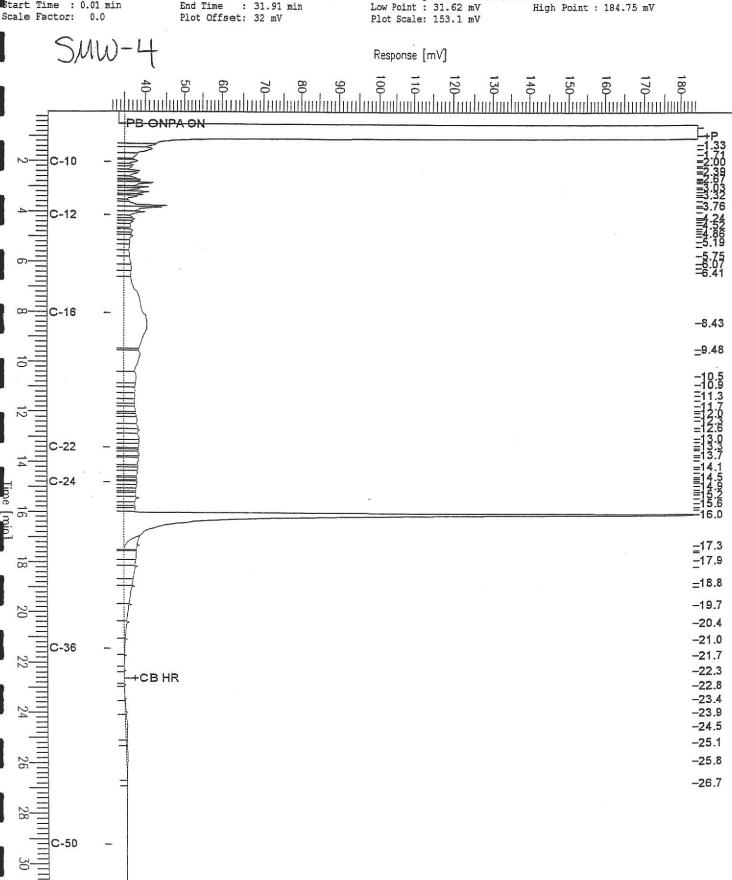
End Time : 31.91 min

Sample #: 67919

Date: 11/14/2001 06:32 PM Time of Injection: 11/14/2001 05:53 PM

High Point: 184.75 mV

Page 1 of 1



Chromatogram

le Name : ccv, 01ws2062, dsl

: G:\GC15\CHB\316B003.RAW Name

: BTEH309.MTH nod art Time : 0.01 min ale Factor: 0.0

End Time : 31.91 min

Plot Offset: 30 mV

Sample #: 500mg/L

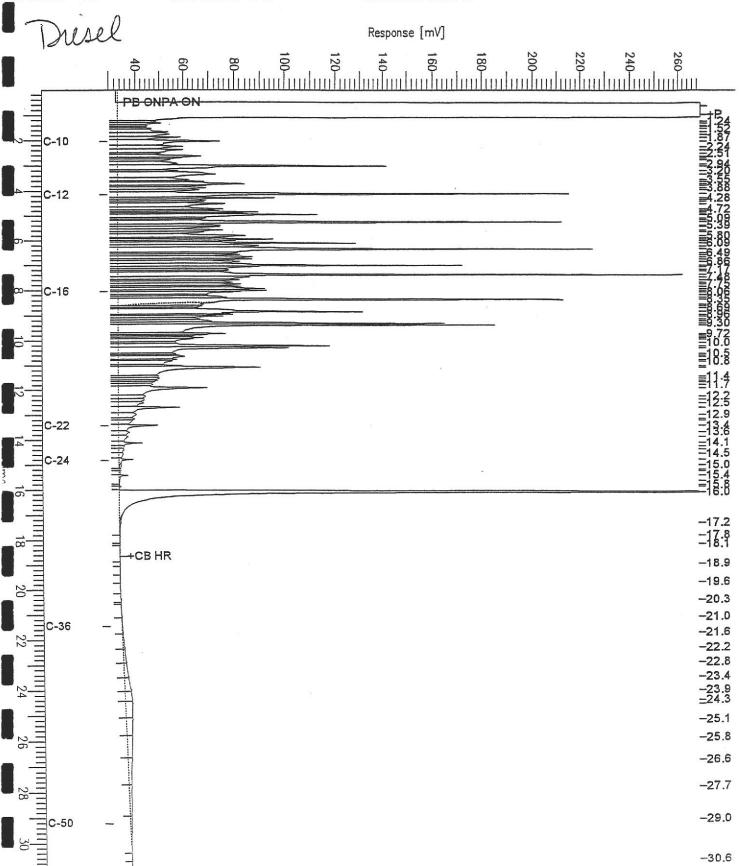
Date: 11/12/2001 12:59 PM
Time of Injection: 11/12/2001 12:19 PM

Low Point : 29.63 mV

High Point: 269.46 mV

Page 1 of 1

Plot Scale: 239.8 mV





Total Extractable Hydrocarbons Lab #: 155232 Location: Simeon. 64th street prop. Client: Erler & Kalinowski, Inc. Prep: EPA 3520C Project#: 990016.04 Analysis: 8015B(M) Matrix: Water Batch#: 67919 Units: ug/L Prepared: 11/12/01 Diln Fac: 1.000 Analyzed: 11/14/01

Lab ID:

BS

QC161973

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	C Limits
Diesel Cl0-C24	2,500	1,665	67	45-110

Surrogate %REC Limits Hexacosane 72 44-121

Type: Lab ID: BSD

QC161974

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,694	68	45-110	2	22

Surrogate %REC Limits 44-121 Hexacosane