BLYMYER
ENGINEERS, INC.

March 15, 2004
BEI Job No. 203004

RO 314

Alameda County
MAR 19 2004
Environmental Health

Mr. Amir Gholami
Alameda County Health Care Services Agency
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: **Recommendation for Reduction of Groundwater Monitoring**
Former Fiesta Beverage Facility
966 89th Avenue
Oakland, California
ACHCSA Site # RO0000314

Dear Mr. Gholami:

Blymyer Engineers, Inc., on behalf of the Fiesta Beverage Company, has reviewed existing groundwater analytical data and recommends a reduction in the groundwater monitoring and sampling interval. The site has been monitored periodically since removal of the underground storage tank (UST) in 1993, and most recently has been on a quarterly groundwater monitoring and sampling interval. Groundwater contaminant concentrations continue to fluctuate significantly and likely indicate a residual source of gasoline fuel-related contamination in soil surrounding the former UST location (Tables II and III). However, the accumulation of additional quarterly data will not significantly improve the understanding of contaminants in the subsurface at this site. At this juncture, Fiesta Beverages has identified remedial actions (initially through a remedial investigation to identify the location of the presumed residual contamination) as the appropriate next step for funding, rather than continued collection of marginally useful data. Blymyer Engineers is in agreement and, unless directed otherwise by the County, we will proceed with semi-annual groundwater monitoring until the fluctuation in contaminant concentrations decreases.

Should you have questions, or should you wish to comment on these proposed actions, please contact Mark Detterman at (510) 521-3773.

Sincerely,

Blymyer Engineers, Inc.

By: _____
Mark E. Detterman, C.E.G.
Senior Geologist

And: _____
Michael S. Lewis
Vice President, Technical Services

Enclosure Table II: Summary of Groundwater Sample Hydrocarbon Analytical Results
Table III: Summary of Groundwater Sample Fuel Oxygenate Analytical Results

cc. Mr. Ted Walbey, Fiesta Beverages Company

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1829 CLEMENT AVENUE ALAMEDA, CA 94501•1395 PHONE 510•521•3773 FAX 510•865•2594

Table II, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 203004, Fiesta Beverage
966 89th Avenue, Oakland, California

Sample ID	Date	Modified EPA Method 8015 (μg/L)	EPA Method 8020 or 8021B (μg/L)					Field Measurement (mg/L)
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DO
MW-1	8/6/93	**17,000**	**7.1**	**8.4**	**9.2**	**53**	NA	NA
	1/12/96	**12,000**	**1,900**	**840**	**370**	**1,100**	NA	NA
	4/16/96	**3,500**	**700**	**55**	**100**	**180**	NA	NA
	7/15/96	**11,000**	**2,300**	**450**	**350**	**910**	NA	NA
	10/16/96	**21,000**	**4,200**	**2,200**	**650**	**2,600**	NA	NA
	12/15/98	**10,000**	**1,800**	**520**	**270**	**1,100**	<350	NA
	1/18/01	**11,000** [a]	**2,000**	**320**	**320**	**1,100**	<120	NA
	4/25/01	**2,100** [a, c]	**270**	**46**	**59**	**130**	<5.0	NA
	3/17/03*	**2,200** [a]	**260**	**19**	**36**	**54**	NA [d]	NA
	6/23/03	**6,100** [a]	**930**	**53**	**99**	**200**	NA	0.4
	9/18/03	**3,800** [a]	**660**	**13**	**24**	**34**	NA	0.4
	12/15/03	**260** [a]	**19**	**1.1**	<0.5	**1.5**	NA	1.1
MW-2	8/6/93	**2,700**	**1.3**	**1.7**	**2.0**	**8.1**	NA	NA
	1/12/96	**2,700**	**600**	**310**	**94**	**220**	NA	NA
	4/16/96	**190**	**39**	**11**	**10**	**14**	NA	NA
	7/15/96	**700**	**160**	**33**	**34**	**48**	NA	NA
	10/16/96	**190**	**48**	**8.2**	**10**	**13**	NA	NA
	12/15/98	**200**	**62**	**17**	**4.9**	**14**	**4.4** [b]	NA
	1/18/01	**300** [a]	**74**	**26**	**7.3**	**21**	**7.3**	NA
	4/25/01	<50 [c]	**4.5**	**2.2**	**0.57**	**1.9**	<5.0	NA
	3/17/03*	**78** [a]	**26**	**3.3**	**1.5**	**3.5**	NA [d]	NA
	6/23/03	**160** [a]	**51**	**1.6**	**1.2**	**1.8**	NA	0.6
	9/18/03	<50	**2.1**	<0.5	<0.5	<0.5	NA	1.3
	12/15/03	<50	**12**	<0.5	<0.5	<0.5	NA	1.6

Table II, Summary of Groundwater Sample Hydrocarbon Analytical Results
BEI Job No. 203004, Fiesta Beverage
966 89th Avenue, Oakland, California

Sample ID	Date	Modified EPA Method 8015 (µg/L)	EPA Method 8020 or 8021B (µg/L)					Field Measurement (mg/L)
		TPH as Gasoline	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	DO
MW-3	8/6/93	**5,200**	**2.1**	**2.9**	**3.6**	**17**	NA	NA
	1/12/96	**4,500**	**280**	**180**	**120**	**470**	NA	NA
	4/16/96	**5,400**	**370**	**340**	**160**	**580**	NA	NA
	7/15/96	**1,800**	**200**	**220**	**66**	**250**	NA	NA
	10/16/96	**2,000**	**340**	**140**	**100**	**300**	NA	NA
	12/15/98	**1,400**	**200**	**39**	**72**	**150**	<22	NA
	1/18/01	**1,800** [a]	**240**	**41**	**86**	**120**	<10	NA
	4/25/01	**8,300** [a, c]	**300**	**330**	**200**	**1,100**	<20	NA
	3/17/03*	**2,100** [a]	**240**	**78**	**10**	**280**	NA [d]	NA
	6/23/03	<50	**2.5**	**0.60**	**0.69**	**1.4**	NA	0.7
	9/18/03	<50	<0.5	<0.5	<0.5	<0.5	NA	0.4
	12/15/03	**2,400**	**300**	**120**	**140**	**260**	NA	1.6
MCL		N/A	1.0	150	700	1,750	13	N/A
City of Oakland RBSL; Commercial / Industrial Land Use; Clayey Silt Default; Groundwater a Potential Source of Drinking Water; (Groundwater Ingestion)		N/A	1.0	150	700	1,000	20	N/A
RWQCB RBSL Commercial / Industrial Land Use; Groundwater Not a Potential Source of Drinking Water		500	46	130	290	13	1,800	N/A

Table II, Summary of Groundwater Sample Analytical Results; continued

Notes:	µg/L	=	Micrograms per liter
	mg/L	=	Milligrams per liter
	TPH	=	Total Petroleum Hydrocarbons
	MTBE	=	Methyl *tert*-butyl ether
	DO	=	Dissolved oxygen
	NA	=	Not analyzed
	<x	=	Less than the analytical detection limit (x)
	EPA	=	Environmental Protection Agency
	N/A	=	Not applicable
	MCL	=	Maximum Contaminant Level
	>Sol.	=	Greater than the solubility of pure product in water
	RWQCB	=	Regional Water Quality Control Board
	RBSL	=	Risk Based Screening Level
	[a]	=	Laboratory note indicates the unmodified or weakly modified gasoline is significant.
	[b]	=	Confirmed with EPA Method 8260.
	[c]	=	Groundwater samples for MW-1 and MW-3 suspected to have been switched (mismarked) in field. First collection of groundwater samples after application of Hydrogen Peroxide on March 7, 2001.
	[d]	=	Analysis conducted by EPA Method 8260. See Table III.
	*	=	Initial data set collected under direction of Blymyer Engineers, Inc.

Bold results indicate detectable analyte concentrations.
Shaded results indicate analyte concentrations above the MCL.

Table III, Summary of Groundwater Sample Fuel Oxygenate Analytical Results
BEI Job No. 203004, Fiesta Beverage
966 89th Avenue, Oakland, California

Sample ID	Date	EPA Method 8260B				
		DIPE (µg/L)	ETBE (µg/L)	MTBE (µg/L)	TAME (µg/L)	TBA (µg/L)
MW-1	3/17/03	<0.50	<0.50	**10**	**8.3**	<5.0
	6/23/03	<2.5	<2.5	**8.0**	**6.4**	<25
	9/18/03	<2.5	<2.5	**8.5**	**5.3**	<25
	12/15/03	<0.5	<0.5	**12**	**9.0**	<5.0
MW-2	3/17/03	<0.50	<0.50	**13**	**2.1**	**6.0**
	6/23/03	<0.50	<0.50	**11**	**4.5**	<5.0
	9/18/03	<2.5	<2.5	**5.0**	**0.74**	<25
	12/15/03	<0.5	<0.5	**13**	**3.2**	**5.2**
MW-3	3/17/03	<0.50	<0.50	**10**	**4.3**	**8.6**
	6/23/03	<0.50	<0.50	**5.6**	**2.6**	<5.0
	9/18/03	<2.5	<2.5	**10**	**3.6**	<25
	12/15/03	<0.5	<0.5	**13**	**2.7**	<5.0

Notes:
DIPE = Di-isopropyl ether
ETBE = Ethyl *tert*-Butyl ether
MTBE = Methyl *tert*-butyl ether
TAME = *tert*-Amyl methyl ether
TBA = *tert*-Butyl alcohol
µg/L = Micrograms per liter