



Engineering, Inc.

800 North Bond Blvd.
Glendale CA 91203

#

26 July 2001

3779

Mr. Barney Chan
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: Proposed well abandonments at the Nestle Oakland Facility located at 1310 14th Street,
Oakland, CA 94607

Dear Mr. Chan:

As discussed in the Site Status Report dated 25 July 2000, Nestle USA is proposing the abandonment of 32 additional wells at the former Nestle Oakland facility. The wells proposed for abandonment are no longer needed for monitoring and gauging purposes at the site.

These wells have been selected such that the monitoring wells remaining following abandonment activities will provide the spatial coverage necessary for continued adequate delineation of groundwater conditions at the site. Historical concentrations of hydrocarbons in groundwater have also been considered when selecting wells for abandonment so that wells which have been useful in identifying areas of hydrocarbon impact at the site will not be removed as a result of this well abandonment proposal.

Please refer to ETIC's July 2001 Groundwater Monitoring Report, First and Second Quarters 2001 for historical data regarding groundwater concentrations and LPH thicknesses for the wells proposed for abandonment.

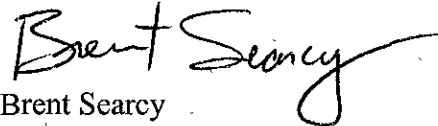
The following information is attached in support of this proposal for well abandonments at the site:

- Listing of the 32 wells proposed for abandonment and their well construction details (where available)
- Site map showing location of wells proposed for abandonment
- Boring logs for wells proposed for abandonment (where available)

Complete well construction details and boring logs are not available for a majority of the wells proposed for abandonment. Approximate total depths for most wells can be estimated based on historical and typical well installation practices known to have been employed during previous drilling at the site. The well abandonment protocols and grouting procedures will account for the unknown or approximate information available regarding well constructions and depths.

Please review this information and apprise Nestle USA or ETIC of your approval of these proposed well abandonments. We appreciate your time and consideration in this matter. If you have any questions or need any additional information, do not hesitate to contact Doug Oram or Brent Searcy at ETIC Engineering.

Sincerely,



Brent Searcy
Project Manager

Attachments

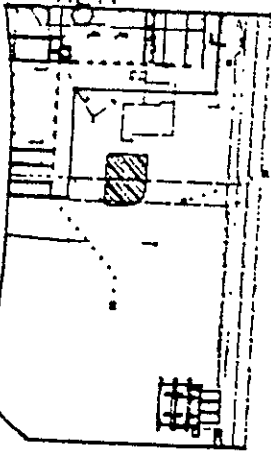
cc: Binayak Acharya, Nestle USA, Inc.
Chuck Headlee, Regional Water Quality Control Board

NESTLE/OAKLAND
WELLS PROPOSED FOR ABANDONMENT

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Length of Screened Interval (ft.)	Screen Slot Size (in.)	Filter Pack Type	Seal Type	Seal Top Depth (ft. bgs)	Seal Base Depth (ft. bgs)
Product Recovery Well	PR41	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR51	2.0	15.0	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR204	2.0	15 to 17	5 to 7	15 to 17	~10.0	NR	NR	NR	NR	NR
Vapor Well	V14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V31	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V52	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V53	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V93	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	78	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	216	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	218	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	219	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	221	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	225	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	228	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	229	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	230	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	234	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	235	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	236	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	242	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	243	2.0	18.0	10.0	18.0	8.0	NR	NR	NR	NR	NR
"Numbered" Well	245	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	247	2.0	18.9	10.5	18.9	8.4	NR	NR	NR	NR	NR
"Numbered" Well	248	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	251	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	252	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

LOCATION OF BORING

PR-41



SITE/LOCATION: GAVINATI/OAKLAND

PROJECT NO.: 004-05-008

BORING NO.: PR-41

WATER LEVEL: _____

TIME: _____

DATE: _____

CASING DEPTH: _____

DRILLING CONTRACTOR: _____

DRILLER: MIKE MOORE

DRILLING METHOD: HOLLOW STEM AUGER

SAMPLING METHOD: 140# HAMMER 30" DROP, MODIFIED CALIFORNIA SAMPLER

LOGGER: CHRIS NIELSON-CERGLIONE

N/S: 2000.0 2669.9 E/W: 3140.0

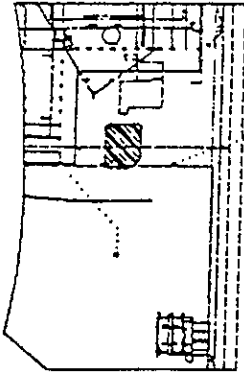
ELEV.: 14.43

BORING DIAMETER: _____ WELL CASING DIAMETER: _____

REVIEWED BY: M.A.M. DATE: 8-29-09

DIST. FROM SURF.	WELL CONST.			TLY. READING	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
	CASING	ANNULUS	LENERD						
1									PORTLAND CEMENT CONCRETE
2	BLANK	4# BENTONITE CEMENT SLURRY						ML	SANDY GRAVEL
3									SANDY SILT- BLACK TO DARK BROWN, MOIST, MEDIUM STIFF WITH TRACE GRAVEL, SEWAGE ODOR.
4		3/8" BENT. PELL							
5									
6					3				SILTY SAND- MOTTLED GREEN/GRAY, MOIST, MEDIUM DENSE.
7									
8									GRADES MOIST TO WET.
9									
10	0.000 INCH SLOT				34				GRADES WET
11								SM	
12									
13									COLOR CHANGE TO YELLOW BROWN.
14									
15					1000				
									TEST BORING TERMINATED @ 15' ON 4-26-09
									MATERIALS: 2 BAGS OF SAND
									1/2 5 GALLON BUCKET OF BENTONITE

PR-51

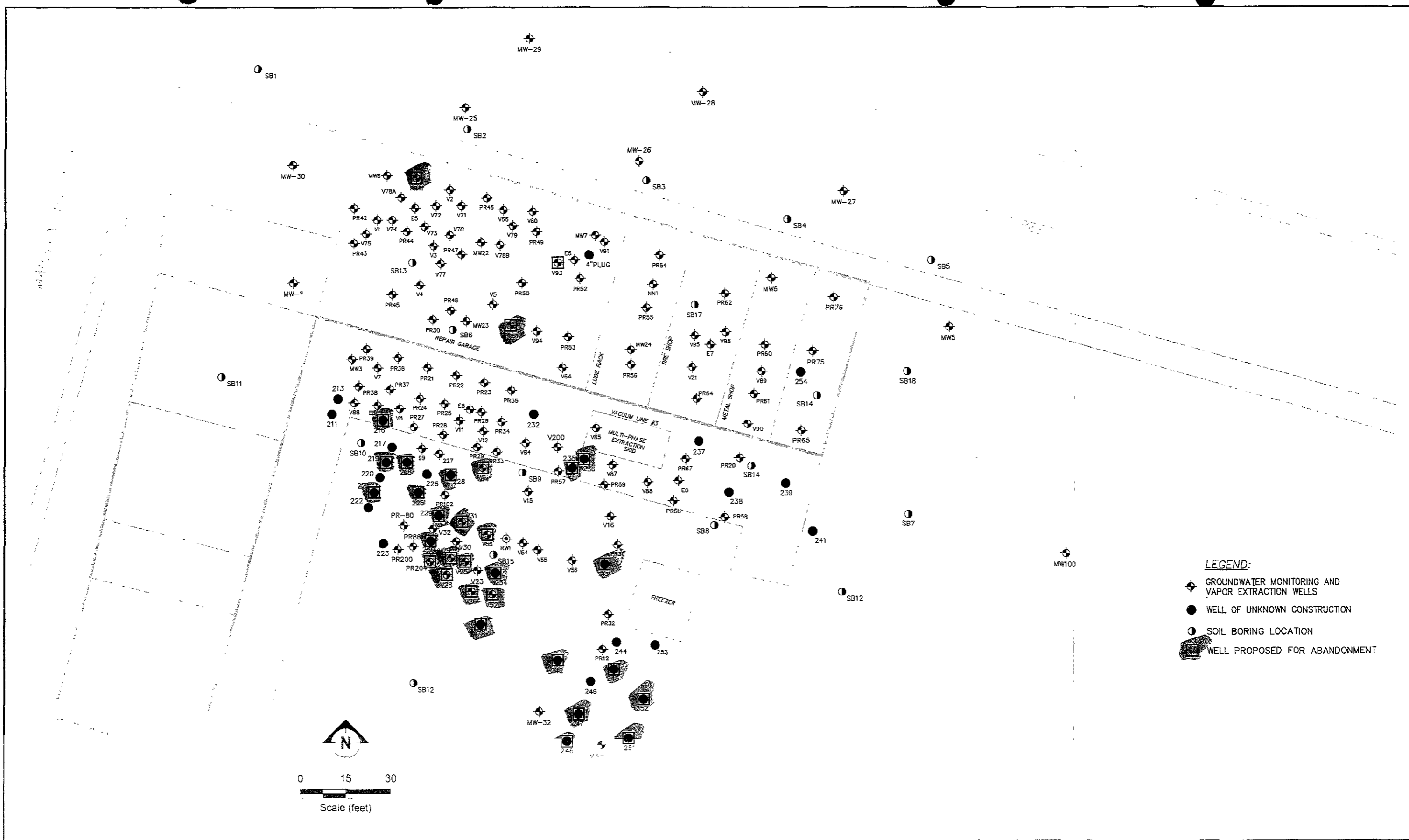


ANANIA GEOLOGIC ENGINEERING

BORING LOG

SITE/LOCATION		CARNATION/OAKLAND		BORING NO.	
PROJECT NO.		004-88-059		PR-51	
WATER LEVEL				SHEET 1 of 1	
TIME				DRILLER	
DATE				START FINISH	
CASING DEPTH				TIME TIME	
DRILLING CONTRACTOR				D: S	
DRILLER		MIKE MOORE		DATE DATE	
DRILLING METHOD		HOLLOW STEM AUGER		4-28-89 4-28-89	
SAMPLING METHOD		140# HAMMER 30" DROP, MODIFIED CALIFORNIA SAMPLER			
LOGGER		CHRIS NIELSON-CERUONE			
N/S		2521.8		E/W	
				ELEV. 14.58	
BORING DIAMETER:		6 INCHES		WELL CASING DIAMETER:	
				2 INCHES	

DIST. FROM SURF.	WELL CONST.			TLV READING	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
	CASING	ANNULUS	LEGEND						
1		4" BENTONITE CEMENT SLURRY	[Cross-hatched pattern]					OP	PORTLAND CEMENT CONCRETE
2	BLANK							ML	SANDY GRAVEL - MOIST, MEDIUM DENSE.
3		3/8" BENT. PELL.	[Diagonal hatched pattern]						SANDY SILT - DARK BROWN TO BLACK, MOIST, MEDIUM STIFF, SEWAGE ODOR (FILL).
4									ENCOUNTERING (RED BRICK).
5									SILTY SAND - GRAY/GREEN BROWN, MOIST, MEDIUM DENSE.
6									
7								SM	COLOR CHANGE TO BROWN, GRADES VERY MOIST TO WET.
8									
9	0.000 INCH SLOT								
10		3/4 SAND	[Dotted pattern]						
11									
12									COLOR CHANGE TO YELLOW BROWN, GRADES WET.
13									
14									
15									TEST BORING TERMINATED @ 15' ON 4-28-89



SITE PLAN SHOWING PROPOSED WELL ABANDONMENTS - JULY 2001
 FORMER NESTLE OAKLAND FACILITY
 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE