AEGIS ENVIRONMENTAL, INC.

LETTER OF TRANSMITTAL

Check Return Address Block:

- [X] 1050 Melody Lane, Suite 160, Roseville, Ca. 95678
- [ ] 8196 S W Hall Blvd, Suite 300, Beaverton, Oregon 97005
- [ ] 1175 Fair View, Suite H, Carson City, Nevada 89701

Date: 5/6/92 Project # 90-007

Subject/Title: Quarterly Monitoring Report, ~~1061~~ E.C. Buehrer, 1061 Eastshore Highway, Berkeley, CA 94710

TO: Alameda Co. Dept of Health Services

ATTENTION: Susan Hugo

We Are Sending: [X] Enclosed [ ] Under Separate Cover Via _____

The Following:

- [ ] Draft Report / Letter
- [X] Final Report / Letter
- [ ] Cost Estimate
- [ ] Regulatory Correspondance
- [ ] Laboratory Analytical Results
- [ ] Contract
- [ ] Figures/Maps/Tables
- [ ] Statement of Qualifications
- [ ] _____

These Are Transmitted As Checked Below:

- [ ] For Approval
- [ ] For Review And Comment
- [ ] For Your Information
- [ ] As Requested
- [ ] Per Our Telephone Conversation
- [ ] As Executed
- [ ] For Your Use
- [ ] Approved As Submitted
- [ ] _____

Copies Were Sent To: [ ] None [X] The Following:

1) Neil Hamre, E. C. Buehrer
2) Program Coordinator, Regional Water Quality Control Board, S.F. Bay Region
3) _____
4) _____
5) _____

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Comments: _____

Signed: _____

{1} Original, {2} Central File (Correspondence), {3} Project Manager

AEGIS ENVIRONMENTAL, INC.

1050 Melody Lane, Suite 160, Roseville, CA 95678 ✦ 916 • 782-2110 / 916 • 969-2110 / FAX 916 • 786-7830

May 6, 1992

Mr. Neil Hamre
E.C. Buehrer Associates, Inc.
1061 Eastshore Highway
Berkeley, California 94710

Subject: **Quarterly Groundwater Monitoring Report**
E.C. Buehrer & Associates, Inc.
1061 Eastshore Highway, Albany, California

Dear Mr. Hamre:

Aegis Environmental, Inc. (Aegis), is pleased to provide E.C. Buehrer Associates, Inc. (E.C. Buehrer), this letter report documenting the results of quarterly groundwater monitoring, conducted in February 1992, at the subject site (Figure 1). The monitoring included collection of depth-to-groundwater measurements and water samples from four wells (MW-5 through MW-8) located on site (Figure 2). This report is based, in part, on information obtained by Aegis from E.C. Buehrer and is subject to modification as newly acquired information may warrant.

SITE DESCRIPTION

The E.C. Buehrer site is an active auto repair shop consisting of two buildings. The larger building, along the western boundary of the site, contains office space and work bays for equipment repair. The small building, along the southern boundary, is utilized as a welding and machine shop and a spray painting booth. Details of the site's current facilities, including underground storage tanks and utilities were reported to E.C. Buehrer by Aegis in a "Problem Assessment Report," dated August 1, 1991. The project site is located in an industrial area of Albany.

BACKGROUND

In April 1990, Aegis installed four groundwater monitoring wells, MW-1 through MW-4. The results of the investigation were reported to E.C. Buehrer by Aegis in a "Hydrogeological Investigation Results Report," dated June 12, 1990.

During April 1991, nine additional soil borings were drilled. Four of the borings were completed as groundwater monitoring wells MW-5 through MW-8 (Figure 2). Results were reported to E.C. Buehrer by Aegis in a "Problem Assessment Report," dated July 9, 1991.

Subsequent to the April 1990 well installations, Aegis performed monthly measurements of depths to and quarterly sampling of groundwater. Monitoring was expanded to include the four additional wells in April 1991.

Wells MW-1 through MW-4 were abandoned in August 1991 under the supervision of Aegis personnel. (July 7.

GROUNDWATER MONITORING

Groundwater

On February 4, 1992, Aegis personnel collected measurements of the depths to groundwater in wells MW-5 through MW-8. Over the past 3 months, since November 14, 1991, groundwater levels have risen in all wells (Figure 3) an average of approximately 1.14 feet; ranging from 0.57 to 1.92 feet (Table 1). On the basis of the February 4, 1992, measurements, groundwater is estimated to flow to the west at an average gradient of approximately 0.0038 ft/ft (Figure 4).

Previous groundwater levels are summarized in Table 1. All groundwater elevation measurements were conducted according to the Aegis standard operating procedures (SOP) included as Attachment 1.

Water Sampling and Analysis

On February 4, 1992, Aegis personnel collected groundwater samples from wells MW-5 through MW-8. The samples were collected according to the Aegis SOP included in Attachment 1, and delivered under chain-of-custody to NET Pacific, Inc. (NET), of Santa Rosa, California, a state-certified analytical laboratory. The samples were analyzed for concentrations of:

- total (volatile) petroleum hydrocarbons (TPH), as gasoline and mineral spirits, by GC/FID Method 5030;

- benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8020; and,
- TPH, as diesel and motor oil, by GC/FID Method 3510.

The analytical results are summarized in Table 2. The analytical reports and chain-of-custody form are included in Attachment 2. Concentrations of TPH, as diesel, and benzene reported in Table 2 are also shown on Figure 5.

REMARKS/SIGNATURES

The interpretations and conclusions contained within this report represent our professional opinions. These opinions are based on currently available information, and were developed in accordance with currently accepted geologic, hydrogeologic, and engineering practices at this time and for this specific site. Other than this, no warranty is implied or intended.

This report has been prepared solely for the use of E.C. Buehrer. Any reliance on this report by third parties shall be at such parties' own risk. The work described herein was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide E.C. Buehrer with geologic, engineering, and environmental consulting services, and trust this report meets your needs. If you have any questions or concerns, please call us at (916) 782-2110.

Sincerely,

AEGIS ENVIRONMENTAL, INC.

Owen M. Kittredge
Staff Geologist

REGISTERED GEOLOGIST
DOUGLAS I. SHEEKS
No. 5211
STATE OF CALIFORNIA

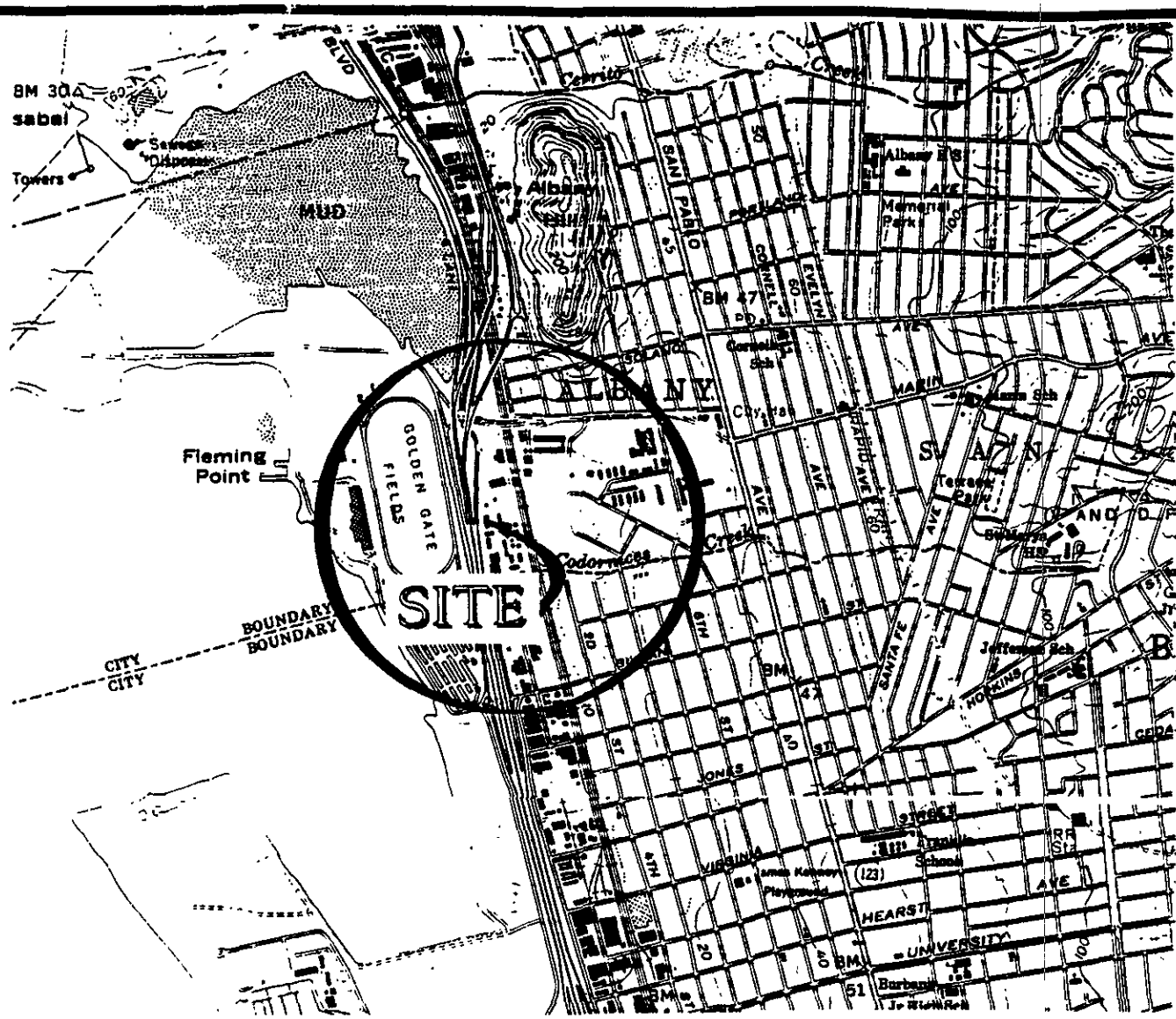
Douglas I. Sheeks
Senior Geologist
CRG No. 5211

5-6-92
Date

OMK/DIS/law

cc: L. Feldman, Regional Water Quality Control Board
S. Hugo, Alameda County Department of Health Services

FIGURES



SCALE: 1"= 2,000'

0 2,000

GENERAL NOTES:

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC RICHMOND & OAKLAND WEST, CA.

CALIF

FIGURE 1
SITE LOCATION MAP
E. C. Buehrer Associates, Inc.
1061 Eastshore Highway
Albany, Ca.

AEGIS Job Number 90-007

DRAWN BY: Ed Bernard DATE: April 8,1991
REVIEWED BY: L Braybrooks DATE: April 14,1991

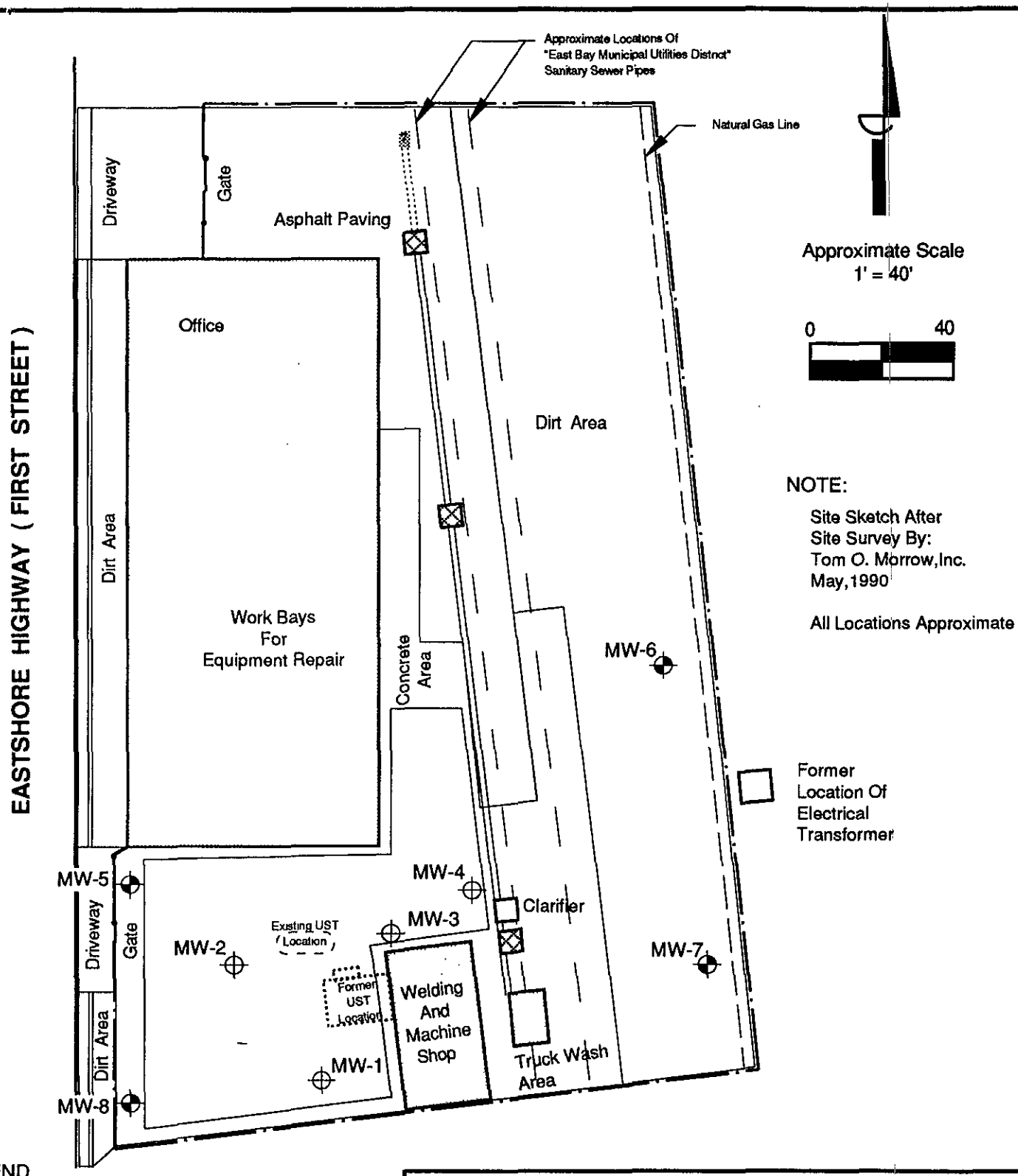
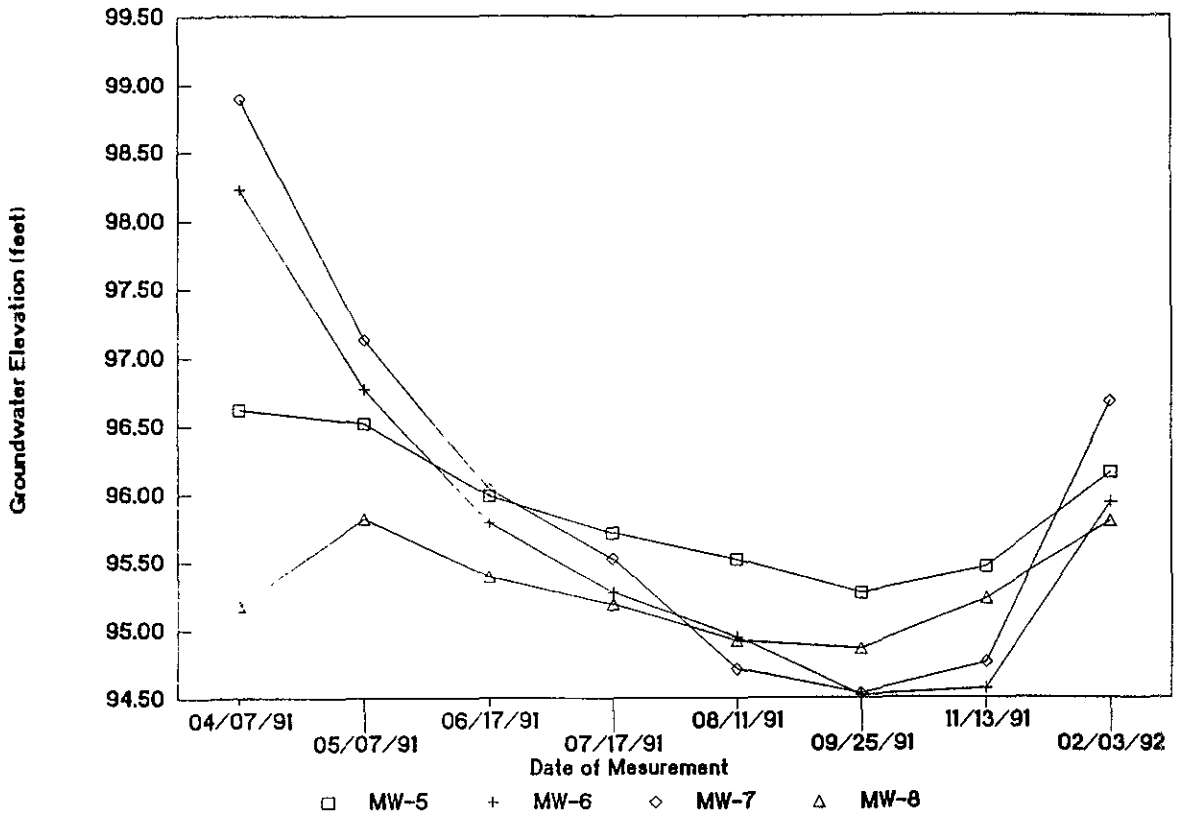


FIGURE 2
SITE MAP
E. C. Buehrer Associates, Inc.
1061 Eastshore Highway
Albany, CA

AEGIS Job Number 90-007

DRAWN BY: Dennis Hada **DATE:** July 26,1991

REVIEWED BY: [signature] **DATE:** 3/13/92



Note: MW-1 Through MW-4 Were Abandoned August 15, 1991

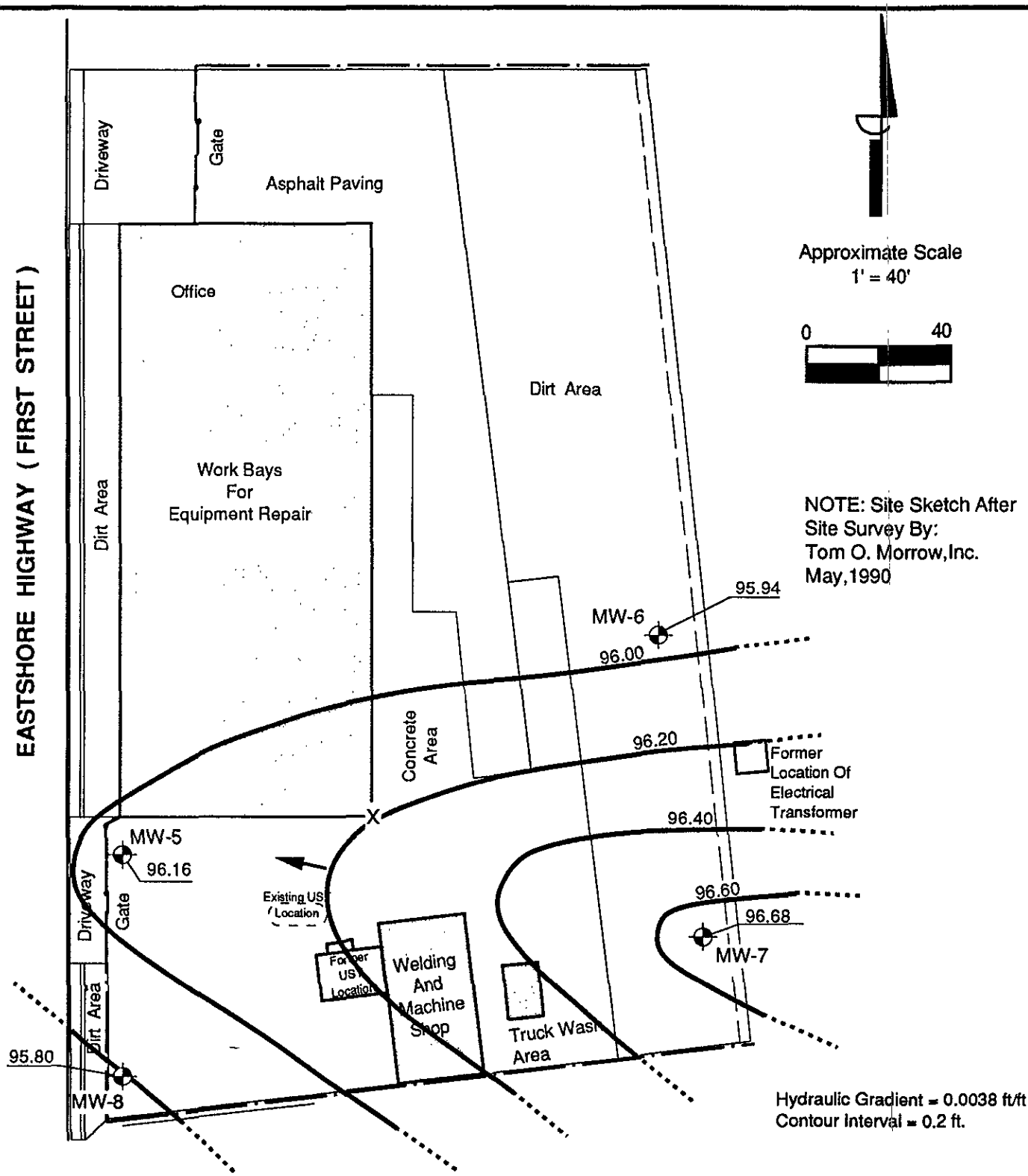
Elevations Referenced To Datum Point On The South
East Corner Of The Main Building And Assigned 100' Elevation

FIGURE 3
GROUNDWATER ELEVATION HYDROGRAPH
E. C. Buehrer Associates, Inc.
1061 Eastshore Highway
Albany, Ca.

AEGIS Job Number 90-007

DRAWN BY: Ed Bernard DATE: February 17, 1992

REVIEWED BY: DATE: 3/13/92



LEGEND

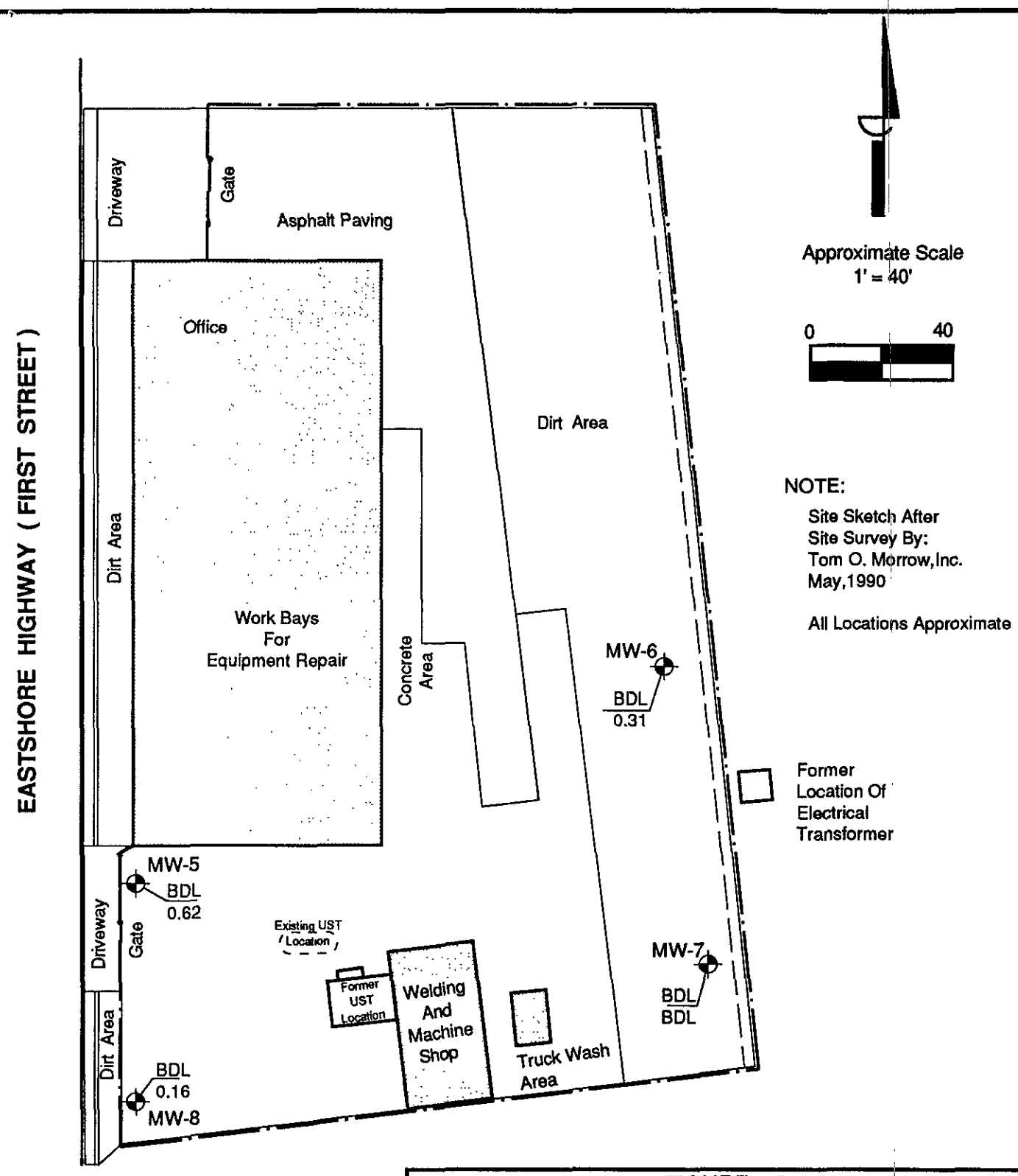
- Monitoring Well
- Potentiometric Surface Contour Line (Dashed Where Inferred)
- 95.66 Groundwater Elevation in Feet
- Estimated Direction of Groundwater Flow
- X Datum Point Assigned 100' Elevation

FIGURE 4
POTENTIOMETRIC SURFACE MAP
(February 4, 1992)
E. C. Buehrer Associates, Inc.
1061 Eastshore Highway
Albany, Ca.

AEGIS Job Number 90-007

DRAWN BY: Ed Bernard DATE: February 17, 1992

REVIEWED BY: DATE: 3/13/92



LEGEND

⊕	Monitoring Well
0.05 / 0.12	Benzene in parts-per-million TPH as Diesel in parts-per-million
BDL	Below Detection Limits

FIGURE 5

DISTRIBUTION MAP OF BENZENE AND TPH AS DIESEL
IN GROUNDWATER (February 4, 1992)
E. C. Buehrer Associates, Inc.
1061 Eastshore Highway
Albany, CA

AEGIS Job Number 90-007

DRAWN BY: Ed Bernard DATE: March 16, 1992

REVIEWED BY: DATE: 4/14/92

TABLES

TABLE 1

WATER LEVEL DATA

1061 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA
(All measurements in feet)

Well No.	Date	Reference Elevation[1]	Depth-to-Groundwater[1]	Groundwater Elevation[2]	Well Depth
MW-1	02/08/91	99.51	3.73	95.78	13.95
	03/18/91		3.31	96.20	13.95
	03/18/91		3.30	96.21	13.95
	05/08/91		3.35	96.16	13.91
	06/18/91		3.57	95.94	13.89
	07/18/91		3.95	95.56	13.90
	08/12/91*		3.85	95.66	13.90
MW-2	02/08/91	99.52	3.73	95.79	14.51
	03/18/91		3.29	96.23	14.51
	03/18/91		3.27	96.25	14.51
	05/08/91		3.68	95.84	14.44
	06/18/91		3.58	95.94	14.44
	07/18/91		3.77	95.75	14.46
	08/12/91*		3.99	95.53	14.50

NOTES:
[1] = Measurement from reference elevation at notch/mark on top north side of well casing.
[2] = Reference elevations surveyed by Tom O. Morrow, a surveyor licensed by the State of California, and referenced to a temporary bench mark with an assumed elevation of 100.00 feet.
* = MW-1 through MW-4 were abandonded on August 15, 1991.
Well Depth = Measurement from top of casing to bottom of well.

TABLE 1 (CONTINUED)

WATER LEVEL DATA

1061 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA
(All measurements in feet)

Monitoring Well	Date	Reference Elevation[1]	Depth-to-Groundwater[1]	Groundwater Elevation[2]	Well Depth
MW-3	02/08/91	99.60	3.81	95.79	13.43
	03/18/91		3.37	96.23	13.40
	03/18/91		3.35	96.25	13.40
	05/08/91		3.47	96.13	13.41
	06/18/91		3.69	95.91	13.40
	07/18/91		3.81	95.79	13.40
	08/12/91*		3.97	95.63	13.46
MW-4	02/08/91	99.20	3.32	95.88	13.90
	03/18/91		2.94	96.26	13.94
	03/18/91		2.87	96.33	13.94
	05/08/91		3.10	96.10	13.97
	06/18/91		3.33	95.87	13.99
	07/18/91		3.51	95.69	13.99
	08/12/91*		3.59	95.61	13.89
MW-5	04/05/91	99.14	2.79	96.35	11.53
	04/08/91		2.52	96.62	11.53
	05/08/91		2.62	96.52	11.53
	06/18/91		3.15	95.99	11.64
	07/18/91		3.42	95.72	11.62
	08/12/91		3.62	95.52	11.60
	09/26/91		3.87	95.27	11.59
	11/14/91		3.68	95.46	11.60
	02/04/92		2.98	96.16	11.59

NOTES:
[1] = Measurement from reference elevation at notch/mark on top north side of well casing.
[2] = Reference elevations surveyed by Tom O. Morrow, a surveyor licensed by the State of California, and referenced to a temporary bench mark with an assumed elevation of 100.00 feet.
* = MW-1 through MW-4 were abandonded on August 15, 1991.
Well Depth = Measurement from top of casing to bottom of well.

TABLE 1 (CONTINUED)

WATER LEVEL DATA

1061 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA
(All measurements in feet)

Well No.	Date	Reference Elevation	Depth-to-Groundwater	Groundwater Elevation	Well Depth
MW-6	04/05/91	100.76	2.22	98.54	12.06
	04/08/91		2.53	98.23	12.05
	05/08/91		3.99	96.77	12.15
	06/18/91		4.97	95.79	12.12
	07/18/91		5.48	95.28	12.13
	08/12/91		5.81	94.95	12.17
	11/14/91		6.19	94.57	12.15
	02/04/92		4.82	95.94	12.10
MW-7	04/05/91	101.52	2.30	99.22	12.15
	04/08/91		2.63	98.89	12.15
	05/08/91		4.39	97.13	12.20
	06/18/91		5.48	96.04	12.20
	07/18/91		5.99	95.53	12.22
	08/12/91		6.81	94.71	12.13
	11/14/91		6.76	94.76	12.19
	02/04/92		4.84	96.68	12.11
MW-8	04/05/91	99.64	6.13	93.51	11.70
	04/08/91		4.46	95.18	11.70
	05/08/91		3.82	95.82	12.20
	06/18/91		4.25	95.39	11.79
	07/18/91		4.45	95.19	11.75
	08/12/91		4.72	94.92	11.80
	11/14/91		4.41	95.23	11.83
	02/04/92		3.84	95.80	11.81

NOTES:
[1] = Measurement from reference elevation at notch/mark on top north side of well casing.
[2] = Reference elevations surveyed by Tom O. Morrow, a surveyor licensed by the State of California, and referenced to a temporary bench mark with an assumed elevation of 100.00 feet.
Well Depth = Measurement from top of casing to bottom of well.

TABLE 2

ANALYTICAL RESULTS: GROUNDWATER

1061 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA

(All results in parts-per-billion)

Sample ID	Date	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Petroleum Hydrocarbons		Total Oil & Grease	Total Petroleum Hydrocarbons	
						Gasoline	Diesel		Motor Oil	Mineral Spirits
MW-5	04/08/91	<	1.8	0.6	1.0	<	220	<	<<500	<<50
	08/12/91	<	<	<	<	<	140	<	<<500	<<50
	11/14/91	<	<	<	<	<	290	---	<<500	<<50
	02/04/92	<	<	<	<	<	620	---	<<500	<<50
MW-6	04/08/91	<	1.8	1.8	1.0	<	210	<	<<500	150
	08/12/91	<	<	<	<	<	160	<	<<500	<<50
	11/14/91	<	<	<	<	<	150	---	<<500	<<50
	02/04/92	<	<	<	<	<	310	---	<<500	<<50
MW-7	04/08/91	<	1.4	1.4	0.8	<	<	<	<<500	<<50
	08/12/91	<	<	<	<	<	70	<	<<500	<<50
	11/14/91	<	<	<	<	<	<	---	<<500	<<50
	02/04/92	<	<	<	<	<	<	---	<<500	<<50
MW-8	04/08/91	<	<	1.6	0.1	<	<	<	<<500	<<50
	08/12/91	<	<	<	<	<	<	<	<<500	<<50
	11/14/91	<	<	<	<	<	120	---	<<500	<<50
	02/04/92	<	<	<	<	<	160**	---	<<500	<<50

NOTES:
- < = Below detection limits per "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites" (August 10, 1990) Practical Quantitation Reporting Limits. (PQL for BTEX = 0.5 ppb, TPH, as gasoline and diesel = 50 ppb, total oil & grease = 5,000 ppb.)
- << = Below the indicated detection limit labelled in the analytical laboratory results reports.
- — = Not analyzed.
- ** = Positive response for petroleum hydrocarbons as diesel appears to be due to the presence of heavier hydrocarbons, rather than diesel.

MW-1 through MW-4 were abandoned on August 13, 1991.

ATTACHMENT 1

STANDARD OPERATING PROCEDURES

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES
SOP-4

Sample identification and chain-of-custody procedures ensure sample integrity, and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, sampling methodology, name(s) of on site personnel and any other pertinent field observations also recorded on the field excavation or boring log.

Chain-of-custody forms are used to record possession of the sample from time of collection to its arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample-control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s) and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL
SOP-5

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at methods specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;

2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;

3. Standard operating procedures describing routine and period instrument maintenance;

4. "Out-of-Control"/Corrective Action documention procedures; and,

5. Multi-level review of raw data and client reports.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURE
RE: GROUNDWATER PURGING AND SAMPLING
SOP-7

Prior to water sampling, each well is purged by evacuating a minimum of three well-bore volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity or pH stabilize, a maximum of ten well-bore volumes of groundwater have been recovered or the well is bailed dry. When practical, the groundwater sample should be taken when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a Teflon bailer, PVC bailer, or stainless steel bladder pump with a Teflon bladder. If the sampling system is dedicated to the well, then the bailer is usually Teflon, but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analyzer (VOA) vials, with Teflon septa, are used as sample containers.

The groundwater sample is decanted into each VOA vial in such a manner that there is no meniscus at the top of the vial. A cap is quickly secured to the top of the vial. The vial is then inverted and gently tapped to see if air bubbles are present. If none are present, the vial is labeled and refrigerated for delivery, under strict chain-of-custody, to the analytical laboratory. Label information should include a unique sample identification number, job identification number, date, time, type of analysis requested, and the sampler's name.

For quality control purposes, a duplicate water sample is collected from each well. This sample is put on hold at the laboratory. When required, a trip blank is prepared at the laboratory and placed in the transport cooler. It is labeled similar to the well samples, remains in the cooler during transport, and is analyzed by the laboratory along with the groundwater samples. In addition, a field blank may be prepared in the field when sampling equipment is not dedicated. The field blank is prepared after a pump or bailer has been either steam-cleaned or properly washed, prior to use in the next well, and is analyzed along with the other samples. The field blank analysis demonstrates the effectiveness of the in-field cleaning procedures to prevent cross-contamination.

To minimize the potential for cross-contamination between wells, all well development and water sampling equipment not dedicated to a well is either steam-cleaned or properly washed between use. As a second precautionary measure, wells are sampled in order of least to highest concentrations as established by available previous analyses.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURE
RE: MEASURING LIQUID LEVELS USING WATER LEVEL OR INTERFACE PROBE
SOP-12

Field equipment used for liquid level gauging typically includes the measuring probe (water level or interface), light filter(s), and product bailer(s). The field kit also includes cleaning supplies (buckets, TSP, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurement, the probe tip is lowered into the well until it touches bottom. Using the previously established top of casting point, the probe cord (or halyard) is marked and an measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid level data sheet as the depth to water (DTW).

When using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case. After grounding the probe, the top of the well casing is fitted with a light filter to insure that sunlight does not interfere with the operation of the probe's optical mechanisms. The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates that the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water indicator and the DTW measurement is made accordingly. The steady tone indicates floating hydrocarbons. In this case, the probe is slowly raised until the steady tone ceases. This is the depth-to-product (DTP) indicator and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid level data sheet. When floating product is indicated by the probe's response, a product bailer is lowered partially through the product-water interface to confirm the product on the water surface, and as further indication of product thickness, particularly in cases where the product layer is quite thin. This measurement is recorded on the data sheet as product thickness.

In order to avoid cross-contamination of wells during the liquid level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with TSP solution and thoroughly rinsed with deionized water before use, between measurements in respective wells and at the completion of the day's use.

ATTACHMENT 2

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Larry Braybrooks
Aegis Environmental Inc.
1050 Melody Lane, Ste 160
Roseville, CA 95678

Date: 02/24/1992
NET Client Acct No: 65400
NET Pacific Log No: 92.0607
Received: 02/05/1992

Client Reference Information

1061 Eastshore Hwy. Albany, CA., Project: 90-007

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)

NET Pacific, Inc

Client No: 65400 Date: 02/24/1992
Client Name: Aegis Environmental Inc.
NET Log No: 92.0607 Page: 2

Ref: 1061 Eastshore Hwy. Albany, CA., Project: 90-007

Parameter	Method	Reporting Limit	Descriptor, Lab No. and Results MW-5 02/04/1992 113031	MW-6 02/04/1992 113032	Units
TPH (Gas/BTXE,Liquid)					
METHOD 5030 (GC,FID)			--	--	
DATE ANALYZED			02-10-92	02-10-92	
DILUTION FACTOR*			1	1	
as Gasoline	5030	0.05	ND	ND	mg/L
as Mineral Spirits	5030	0.05	ND	ND	mg/L
METHOD 8020 (GC,Liquid)			--	--	
DATE ANALYZED			02-10-92	02-10-92	
DILUTION FACTOR*			1	1	
Benzene	8020	0.5	ND	ND	ug/L
Ethylbenzene	8020	0.5	ND	ND	ug/L
Toluene	8020	0.5	ND	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ND	ug/L
SURROGATE RESULTS			--	--	
Bromofluorobenzene	5030		96	91	% Rec.
METHOD 3510 (GC,FID)					
DILUTION FACTOR*			1	1	
DATE EXTRACTED			02-07-92	02-07-92	
DATE ANALYZED			02-16-92	02-16-92	
as Diesel	3510	0.05	0.62**	0.31	mg/L
as Motor Oil	3510	0.5	ND	ND	mg/L

** Positive response for Petroleum Hydrocarbons as Diesel appears to be due to the presence of heavier hydrocarbons, rather than Diesel.

NET Pacific, Inc

Client No: 65400 Date: 02/24/1992
Client Name: Aegis Environmental Inc.
NET Log No: 92.0607 Page: 3

Ref: 1061 Eastshore Hwy. Albany, CA., Project: 90-007

Parameter	Method	Reporting Limit	Descriptor, Lab No. and Results MW-7 02/04/1992 113033	MW-8 02/04/1992 113034	Units
TPH (Gas/BTXE,Liquid)					
METHOD 5030 (GC,FID)			--	--	
DATE ANALYZED			02-10-92	02-10-92	
DILUTION FACTOR*			1	1	
as Gasoline	5030	0.05	ND	ND	mg/L
as Mineral Spirits	5030	0.05	ND	ND	mg/L
METHOD 8020 (GC,Liquid)			--	--	
DATE ANALYZED			02-10-92	02-10-92	
DILUTION FACTOR*			1	1	
Benzene	8020	0.5	ND	ND	ug/L
Ethylbenzene	8020	0.5	ND	ND	ug/L
Toluene	8020	0.5	ND	ND	ug/L
Xylenes (Total)	8020	0.5	ND	ND	ug/L
SURROGATE RESULTS			--	--	
Bromofluorobenzene	5030		94	97	% Rec.
METHOD 3510 (GC,FID)					
DILUTION FACTOR*			1	1	
DATE EXTRACTED			02-07-92	02-07-92	
DATE ANALYZED			02-16-92	02-16-92	
as Diesel	3510	0.05	ND	0.16**	mg/L
as Motor Oil	3510	0.5	ND	ND	mg/L

** Positive response for Petroleum Hydrocarbons as Diesel appears to be due to the presence of heavier hydrocarbons, rather than Diesel.

NET Pacific, Inc

Client No: 65400 Date: 02/24/1992
Client Name: Aegis Environmental Inc.
NET Log No: 92.0607 Page: 4

Ref: 1061 Eastshore Hwy. Albany, CA., Project: 90-007

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	0.05	mg/L	112	ND	103	95	7.5
Benzene	0.5	ug/L	77	ND	91	86	5.2
Toluene	0.5	ug/L	88	ND	90	84	7.7
Diesel	0.05	mg/L	115	ND	88	88	<1
Motor Oil	0.5	mg/L	113	ND	N/A	N/A	N/A

COMMENT: Blank Results were ND on other analytes tested.

NET Pacific, Inc

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

Phone (916) 782 2110
FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

3760

Send results to:
Aegis Environmental
1050 Melody Lane, Suite 160
Roseville, CA 95678

Site Address: 1061 EASTSHORE HWY. ALBANY CA
AEGIS Project #: 90-007
Shipped By: AEGIS
Shipped To: NET
Project Manager LARRY BEAN/BROOKS

For Shell Projects Only
WIC:
AFE:
CT/DL:
Shell Engineer:
Hazardous Materials Suspected? (yes/no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
MONITORWELL-5	1061 ESHORE HWY	MW-5	2-4-92	WATER	5	* SEE COMMENTS
6		MW-6				
7		MW-7				
8		MW-8				

Sampler(s) (signature) Brian Henderson "BRIAN HENDERSON"

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time		Comments
MW-5 6 7 8	Brian Henderson		2/5/92		
	Steve Kennett		2/5/92	1420	
			2-5-92	1520	

Sealed for shipment by: (signature) Brian Henderson Date/Time: 2-4-92 Shipment Method: CAB TO PICK UP

Received for Lab by: (signature) K Kemple Date/Time: 2/5/92 1120 Comments: * TPH GAS BTEX, + MINERAL SPIRITS, 602/GC FID 5030/8015, TPH DIESEL MOTOR OIL GC FID 3510/8015

Receiving Laboratory: Please return original form after signing for receipt of samples.

White/Original Yellow/Lab Copy Pink/File Copy