

**GROUNDWATER MONITORING AND  
SAMPLING REPORT  
THIRD QUARTER - 1995**

Pacific Gas and Electric Company  
Oakland Power Plant  
50 Martin Luther King, Jr. Way  
Oakland, California

7/95

PG&E Project No. 0530-EC  
Alisto Project No. 10-179

July 1995

95 AUG -1 AM 9:02

ENVIRONMENTAL  
LABORATORY



GROUNDWATER MONITORING AND SAMPLING REPORT  
THIRD QUARTER - 1995

Pacific Gas and Electric Company  
Oakland Power Plant  
50 Martin Luther King, Jr. Way  
Oakland, California

PG&E Project No. 0530-EC  
Alisto Project No. 10-179-02-004

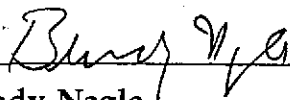
Prepared for:


Pacific Gas and Electric Company  
3400 Crow Canyon Road  
San Ramon, California

Prepared by:

Alisto Engineering Group  
1575 Treat Boulevard, Suite 201  
Walnut Creek, California

July 20, 1995

  
\_\_\_\_\_  
Brady Nagle  
Project Manager

  
\_\_\_\_\_  
Al Sevilla, P.E.  
Principal



# GROUNDWATER MONITORING AND SAMPLING REPORT THIRD QUARTER - 1995

Pacific Gas and Electric Company  
Oakland Power Plant  
50 Martin Luther King, Jr. Way  
Oakland, California

TESA Project No. 0530-EC  
Alisto Project No. 10-179-02-004

July 20, 1995

## INTRODUCTION

This report presents the results and findings of the June 30, 1995 groundwater monitoring and sampling conducted by Alisto Engineering Group at Pacific Gas and Electric Company's Oakland Power Plant, 50 Martin Luther King Jr. Way, Oakland, California. A site vicinity map is shown in Figure 1.

## FIELD PROCEDURES

Field activities were performed in accordance with the procedures and guidelines of the Alameda County Health Care Services Agency and the California Regional Water Quality Control Board, San Francisco Bay Region.

Before purging and sampling, the groundwater level in each well was measured from a permanent mark on top of the casing to the nearest 0.01 foot using an electronic sounder. The depth to groundwater and top of casing elevation data were used to calculate the groundwater elevation in each well. The survey data and groundwater elevation measurements collected to date are presented in Table 1. The field procedures for groundwater monitoring well sampling are presented in Appendix A.

## SAMPLING AND ANALYTICAL RESULTS

The results of monitoring and laboratory analysis of the groundwater samples for this and previous quarters are summarized in Table 1. The potentiometric groundwater elevations as interpreted from the results of this monitoring event are shown in Figure 2. The field procedures for chain-of-custody documentation, laboratory reports, and chain-of-custody records are presented in Appendix B.



## SUMMARY OF FINDINGS

The findings of the June 30, 1995 groundwater monitoring and sampling event are summarized as follows:

- Free product was not observed in any of the groundwater monitoring wells.
- Groundwater elevation data indicated a northwesterly flow direction with a hydraulic gradient of 0.002 foot per foot. Groundwater elevations decreased an average of 0.86 foot since the last sampling event on March 24, 1995.
- Total petroleum hydrocarbons as diesel was detected at 540 micrograms per liter (ug/L) in the sample collected from MW-1-2. Analysis of samples collected from MW-1-3 and MW-2-3 detected unknown hydrocarbons in the diesel range at 213 and 187 ug/L, respectively.
- Benzene, toluene, ethylbenzene, and total xylenes were not detected in the sample collected from well MW-2-3.



TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING  
 PACIFIC GAS AND ELECTRIC COMPANY'S OAKLAND POWER PLANT  
 50 MARTIN LUTHER KING, JR. WAY, OAKLAND, CALIFORNIA

ALISTO PROJECT NUMBER 10-179

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	LAB
MW-1-2	06/22/93	13.95	5.05	8.90	1500 (c)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-2	09/22/93	13.95	5.91	8.04	240	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-1 (d)	09/22/93	13.95	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-2	12/28/93	13.95	4.77	9.18	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-1 (d)	12/28/93	13.95	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-2	04/11/94	13.95	4.66	9.29	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-1 (d)	04/11/94	13.95	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-2	04/20/94	13.95	4.86	9.09	600	---	---	---	---	CHR
MW-1-2	06/29/94	13.95	5.18	8.77	520	---	---	---	---	CHR
MW-1-2	10/07/94	13.95	4.55	9.40	590	---	---	---	---	CHR
MW-1-2	01/03/95	13.95	4.11	9.84	650 (c)	---	---	---	---	CHR
MW-1-2	03/24/95	13.95	3.57	10.38	740 (c)	---	---	---	---	CHR
MW-1-2	06/30/95	13.95	4.69	9.26	540 (c)	---	---	---	---	CHR
MW-1-3	06/22/93	14.01	5.15	8.86	160 (c)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-3	09/22/93	14.01	5.57	8.44	430	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-3	12/28/93	14.01	5.13	8.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-1-3	04/11/94	14.01	5.01	9.00	---	ND<0.5	ND<0.5	ND<0.5	0.50	CHR
MW-1-3	04/20/94	14.01	5.09	8.92	ND<50	---	---	---	---	CHR
MW-1-3	06/29/94	14.01	5.30	8.71	280 (c)	---	---	---	---	CHR
MW-1-3	10/07/94	14.01	5.69	8.32	160 (c)	---	---	---	---	CHR
MW-1-3	01/03/95	14.01	4.62	9.39	210 (c)	---	---	---	---	CHR
MW-1-3	06/30/95	14.01	4.89	9.12	231 (c)	---	---	---	---	CHR
MW-2-3	06/22/93	13.91	5.00	8.91	560 (e)	3.1	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	09/22/93	13.91	5.50	8.41	460	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	12/28/93	13.91	4.74	9.17	ND<50 (f)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	04/11/94	13.91	4.62	9.29	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	04/20/94	13.91	4.83	9.08	ND<50	---	---	---	---	CHR
MW-2-3	06/29/94	13.91	5.14	8.77	920 (c/g)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	10/07/94	13.91	5.50	8.41	ND<50	16	13	5.9	24	CHR
MW-2-3	01/03/95	13.91	4.11	9.80	190 (c)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	03/24/95	13.91	3.47	10.44	110 (c)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-1 (d)	03/24/95	13.91	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
MW-2-3	06/30/95	13.91	4.66	9.25	187 (c)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-1 (d)	06/30/95	13.91	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING  
 PACIFIC GAS AND ELECTRIC COMPANY'S OAKLAND POWER PLANT  
 50 MARTIN LUTHER KING, JR. WAY, OAKLAND, CALIFORNIA

ALISTO PROJECT NUMBER 10-179

WELL ID	DATE OF SAMPLING/ MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-D (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	LAB
QC-2	(h) 09/22/93	---	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-2	(h) 12/28/93	---	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-2	(h) 04/11/94	---	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-2	(h) 01/03/95	---	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR
QC-2	(h) 03/24/95	---	---	---	---	ND<0.5	0.5	ND<0.5	ND<0.5	CHR
QC-2	(h) 06/30/95	---	---	---	---	ND<0.5	ND<0.5	ND<0.5	ND<0.5	CHR

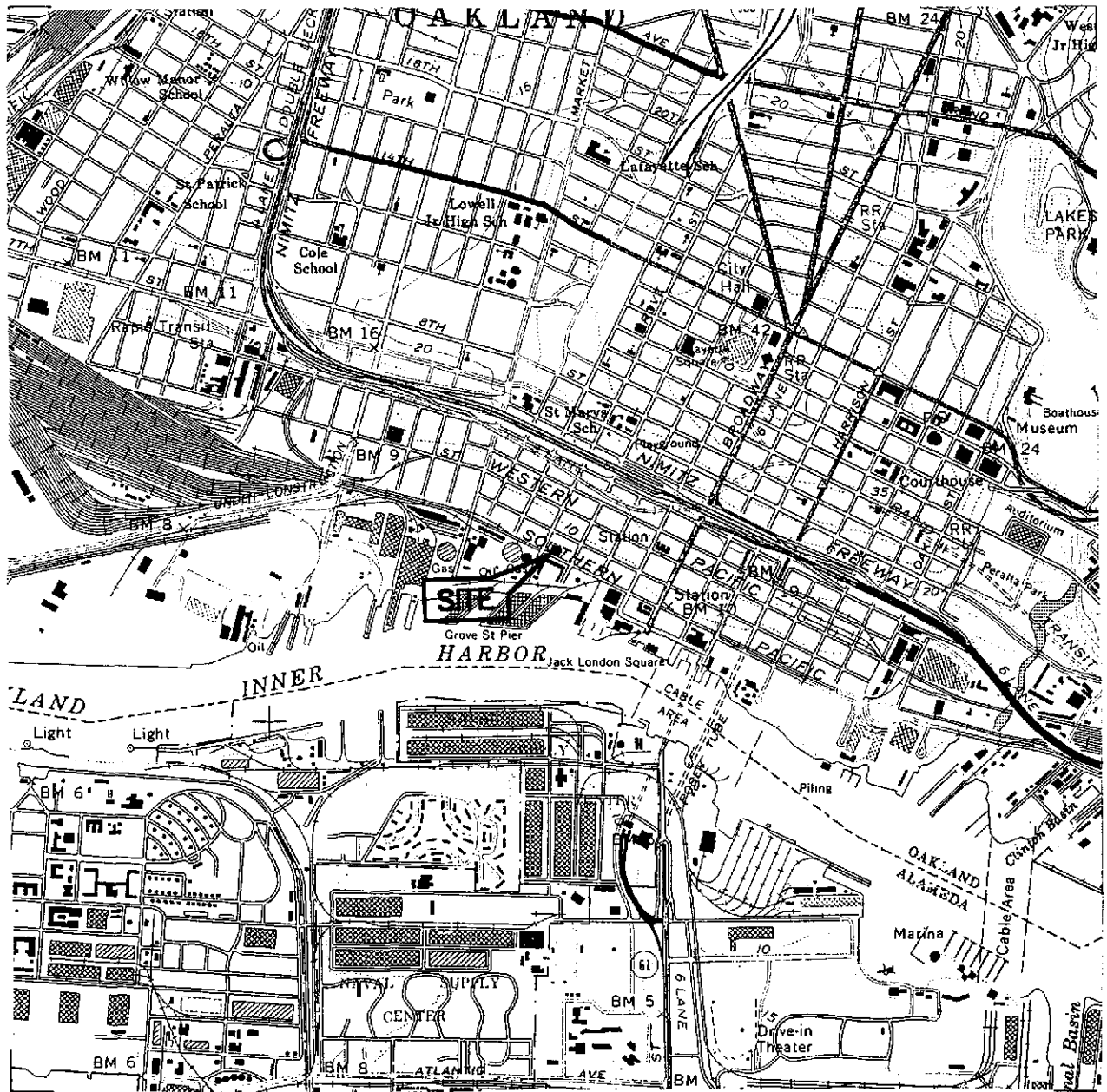
ABBREVIATIONS:

TPH-D Total petroleum hydrocarbons as diesel  
 B Benzene  
 T Toluene  
 E Ethylbenzene  
 X Total xylenes  
 ug/L Micrograms per liter  
 ND Not detected above reported detection limit  
 --- Not analyzed/applicable  
 CHR Chromalab, Inc.

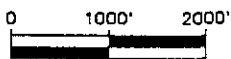
NOTES:

(a) Top of casing elevations surveyed relative to mean sea level.  
 (b) Groundwater elevations in feet above mean sea level.  
 (c) Unknown hydrocarbon in diesel range quantified as diesel.  
 (d) Blind duplicate.  
 (e) Motor oil at a concentration of 3.1 mg/L detected in sample.  
 (f) Motor oil at a concentration of 2.9 mg/L detected in sample.  
 (g) Unknown hydrocarbon in motor oil range was also observed in sample.  
 (h) Travel blank.

E:\010-179\179-2-4.WQ2



SOURCE:  
 USGS MAP, OAKLAND WEST QUADRANGLE,  
 CALIFORNIA, 7.5 MINUTE SERIES, 1959.  
 PHOTOREVISED 1980.



### FIGURE 1

#### SITE VICINITY MAP

PACIFIC GAS AND ELECTRIC COMPANY  
 OAKLAND POWER PLANT  
 50 MARTIN LUTHER KING, JR. WAY  
 OAKLAND, CALIFORNIA  
 PROJECT NO. 10-179

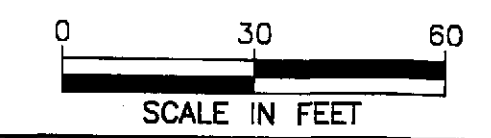
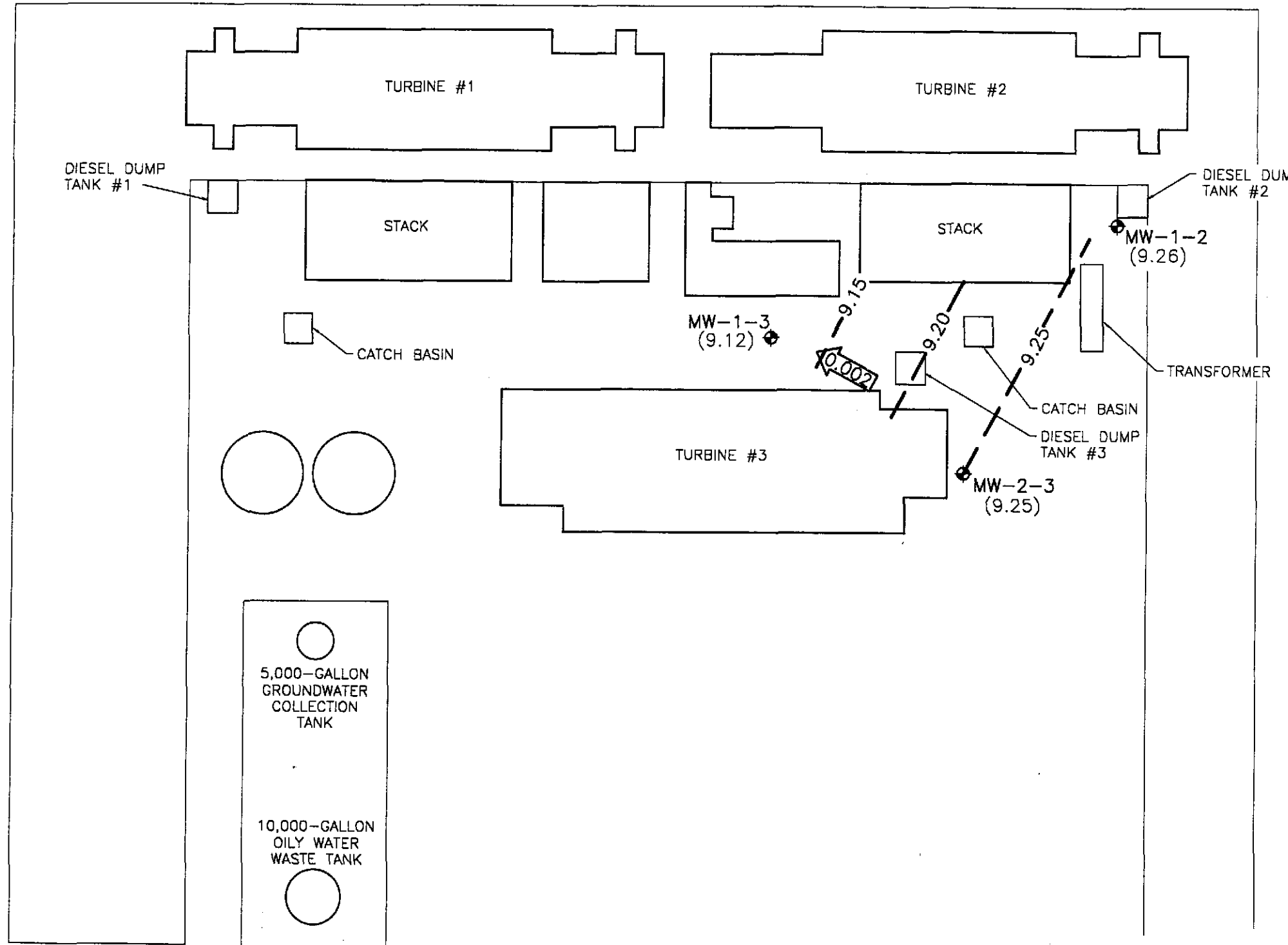


**ALISTO ENGINEERING GROUP**  
 WALNUT CREEK, CALIFORNIA

EMBARCADERO WAY

MARTIN LUTHER KING, JR. WAY

JEFFERSON STREET



**LEGEND**

- ⊕ GROUNDWATER MONITORING WELL
- (9.12) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
- 9.15 - GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (CONTOUR INTERVAL - 0.05 FOOT)
- ← 0.002 → CALCULATED GROUNDWATER GRADIENT DIRECTION AND MAGNITUDE IN FOOT PER FOOT

FIGURE 2

POTENTIOMETRIC GROUNDWATER ELEVATION CONTOUR MAP

JUNE 30, 1995

PACIFIC GAS AND ELECTRIC COMPANY  
OAKLAND POWER PLANT  
50 MARTIN LUTHER KING, JR. WAY  
OAKLAND, CALIFORNIA

PROJECT NO. 10-179



10179D-NONG 7-14-95 RW 1-30



APPENDIX A

FIELD PROCEDURES FOR  
GROUNDWATER MONITORING WELL SAMPLING  
AND WATER SAMPLING FIELD SURVEY FORMS

FIELD PROCEDURES  
FOR  
GROUNDWATER MONITORING WELL SAMPLING

Groundwater Level Measurement

Before commencing groundwater sampling, the groundwater level in each well was measured from the marked survey reference point at the top of the well casing. Groundwater in each well was monitored for free product or sheen. The depth to groundwater was measured to an accuracy of 0.01 foot from the top of the PVC well casing using an electronic sounder.

Groundwater Monitoring Well Sampling

To ensure that the groundwater samples were representative of the aquifer, the wells were purged of 3 well casing volumes or until indicator parameters stabilized, before sample collection. This purging was accomplished using a clean bailer or pump.

The samples were collected using a disposable bailer and then transferred into laboratory-supplied containers. Care was taken to avoid turbulence when transferring the water samples, and all volatile analysis vials were filled so that no air bubbles were trapped. The sampling technician wore nitrile gloves at all times during purging and well sampling. The samples were clearly labeled with the well number, site identification, date and time of sample collection, and sampler's initials, and transported in an iced cooler maintained at 4 degrees Centigrade to a state-certified laboratory following proper preservation and chain of custody protocol.

# ALISTO

## Field Report / Sampling Data Sheet

ENGINEERING

GROUP

1575 TREAT BOULEVARD, SUITE 201

WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Project No. 10-179-02-004

Address 50 Martin L. King Jr.

Contract No. PG & E

Station No. 0530-~~GR~~ EC Sampler: DC

Date: 6/30/95

Day: M T W T F (F)

City: Oakland

WELL ID	SAMPLE ID	DEPTH TO WATER	TIME	COMMENTS:
MW-1-2	—	4.89	1121	
MW-2-3	—	4.66	1123	
MW-1-3	—	4.89	1116	

### FIELD INSTRUMENT CALIBRATION DATA

PH METER Hydac 4.00  7.00  10.00 \_\_\_\_\_ TEMPERATURE COMPENSATED  Y  N TIME 1145 WEATHER 80°F

D.O. METER \_\_\_\_\_ ZERO d.O. SOLUTION \_\_\_\_\_ BAROMETRIC PRESSURE \_\_\_\_\_ TEMP 77°F

CONDUCTIVITY METER Hydac 10,000  TURBIDITY METER \_\_\_\_\_ 5.0 NTU \_\_\_\_\_ OTHER \_\_\_\_\_

Well ID	Depth to Water	Diam	Cap/Lock	Product	Dept	Irridense	Gal.	Time	Temp *F	pH	E.C.	D.O.		
MW-1-3	4.89	4"	OK	Φ	Y	(N)	1.5	1155	73.9	6.52	1.10		<input type="radio"/> EPA 601 _____	
Total Depth - Water Level=							x Well Vol. Factor=	x#vol. to Purge	PurgeVol.					<input type="radio"/> TPH-G/BTEX _____
7.15 - 4.89 = 2.26							x .65 = 1.47	x 3 = 4.40	3	1159	71.7	6.92	1.03	<input checked="" type="radio"/> TPH Diesel _____
							4.5	1204	71.4	7.00	0.99		<input type="radio"/> TOG 5520 _____	
Purge Method: <input type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input checked="" type="checkbox"/> Disp. Baller(s) <input type="checkbox"/> Sys Port														
Comments:														
													TIME/SAMPLE ID	
													1208	

Well ID	Depth to Water	Diam	Cap/Lock	Product	Dept	Irridense	Gal.	Time	Temp *F	pH	E.C.	D.O.		
MW-1-2	4.69	4"	OK	Φ	Y	(N)	4	1224	69.1	7.70	0.77		<input type="radio"/> EPA 601 _____	
Total Depth - Water Level=							x Well Vol. Factor=	x#vol. to Purge	PurgeVol.					<input type="radio"/> TPH-G/BTEX _____
13.48 - 4.69 = 8.79							x .65 = 5.71	x 3 = 17.14	9	1229	67.3	7.62	0.71	<input checked="" type="radio"/> TPH Diesel _____
								dry @ 11gals						<input type="radio"/> TOG 5520 _____
Purge Method: <input type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input checked="" type="checkbox"/> Disp. Baller(s) <input checked="" type="checkbox"/> Sys Port														
Comments: dry @ ≈ 11gals; let stabilize														
													TIME/SAMPLE ID	
													1238	

Well ID	Depth to Water	Diam	Cap/Lock	Product	Dept	Irridense	Gal.	Time	Temp *F	pH	E.C.	D.O.		
MW-2-3	4.66	4"	OK	Φ	Y	(N)	5	1242	70.7	6.49	1.09		<input type="radio"/> EPA 601 _____	
Total Depth - Water Level=							x Well Vol. Factor=	x#vol. to Purge	PurgeVol.					<input checked="" type="radio"/> TPH-G/BTEX <u>4m</u>
12.30 - 4.66 = 7.64							x .65 = 4.97	x 3 = 14.9						<input checked="" type="radio"/> TPH Diesel _____
Purge Method: <input type="checkbox"/> Surface Pump <input type="checkbox"/> Disp. Tube <input type="checkbox"/> Winch <input checked="" type="checkbox"/> Disp. Baller(s) <input checked="" type="checkbox"/> Sys Port														
Comments: DC-1 from this well, dry @ ≈ 7gals														
													TIME/SAMPLE ID	
													1252	

# ALISTO

## Field Services Sheet

ENGINEERING  
GROUP  
1575 TREAT BOULEVARD, SUITE 201

Project No. 10-179-02-004  
Contract No. PG & E  
Station No. 0530-~~GR~~EC

City: Oakland  
Date: 6/30/95  
Address: 50 Martin L. King

WALNUT CREEK CA 94596 (510) 295-1650 FAX 295-1823

Sampler: DC

Field Activity:  Groundwater Monitoring  Groundwater Sampling  Well Development

### Equipment Used:

Water Level Indicator  Surface Pump  
 Ph, Temp, Conductivity meter  Electric Subsurface Pump  
 Dissolved Oxygen Meter  Tank Trailer  
 Turbidity meter  Organic Vapor Meter

### Disposable and repair items used:

Disposable bailers 7 Disposable poly tubing \_\_\_\_\_ Feet  
2 Inch Locking caps \_\_\_\_\_ 4 Inch Locking Caps \_\_\_\_\_ 6 Inch Locking Caps \_\_\_\_\_  
Locks \_\_\_\_\_ Nitrile gloves \_\_\_\_\_ Disp. Gloves \_\_\_\_\_ Replacement Traffic Box \_\_\_\_\_

### Time and Mileage:

8:30 to 9:30 Preparation/ Mobilization Time  
9:30 to 10:45 Travel to Site One Way Mileage to site 45 miles x two = 90 miles  
\_\_\_\_\_ to \_\_\_\_\_ Time at Site

### Waste at site:

\_\_\_\_\_ Drums of Water, \_\_\_\_\_ Drums of Soil, \_\_\_\_\_ Empty Drums, \_\_\_\_\_ Dbl Cont. Drums, \_\_\_\_\_ Cu Yd Soil Pile

### Product Recovery Servicing:

Well No.	PPRS emptied Product gal./ Water gal.	Well Bailed Product gal./ Water gal.	Total Product Removed Product in gallons

Notes: 10:45 - 11:00 - go into office, check about drum  
11:00 - 11:15 - open well  
11:15 - 11:30 - open wells  
11:30 - 1:00 - @ms  
1:00 - 1:30 - clean up, pump out drum, reset drum

CDA

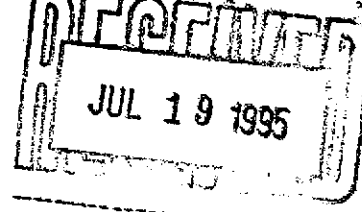
**APPENDIX B**

**FIELD PROCEDURES FOR CHAIN OF CUSTODY DOCUMENTATION,  
LABORATORY REPORTS, AND CHAIN OF CUSTODY RECORDS**

**FIELD PROCEDURES  
FOR  
CHAIN OF CUSTODY DOCUMENTATION**

The samples collected were handled in accordance with the California Department of Health Services guidelines. The samples were labeled in the field and immediately stored in coolers and preserved with blue ice for transport to a state-certified laboratory for analysis.

A chain of custody record accompanied the samples, and included the site and sample identification, date and time of collection, analysis requested, and the name and signature of the sampling technician. When transferring possession of the samples, the transferee signed and dated the chain of custody record.



# CHROMALAB, INC.

Environmental Services (SDB)

July 11, 1995

Submission #: 9507020

ALISTO ENGINEERING GROUP INC

Atten: Brady Nagle

Project: PG&E, OAKLAND POWER PLT.  
Received: July 5, 1995

Project#: 10-179-02-004

re: 3 samples for Diesel analysis.  
Method: EPA 3510/8015M

Sampled: June 30, 1995      Matrix: WATER      Extracted: July 6, 1995  
Run: 7587-D      Analyzed: July 7, 1995

Spl #	Client Sample ID	DIESEL (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
94924	MW-1-2	540	50	N.D.	79
94925	MW-1-3	N.D.	50	N.D.	79
For above sample: Unknown hydrocarbons in the Diesel range, conc. = 231ug/L.					
94944	MW-2-3	N.D.	50	N.D.	79
For above sample: Unknown hydrocarbons in the Diesel range, conc. = 187ug/L.					

Dennis Mayugba  
Chemist

Ali Kharrazi  
Organic Manager

# CHROMALAB, INC.

Environmental Services (SDB)

July 11, 1995

Submission #: 9507020

ALISTO ENGINEERING GROUP INC

Atten: Brady Nagle

Project: PG&E OAKLAND POWER PLT.  
Received: July 5, 1995

Project#: 10-179-02-004

re: 3 samples for BTEX analysis.  
Method: EPA 8020

Sampled: June 30, 1995

Matrix: WATER

Run: 7532-J

Analyzed: July 6, 1995

Spl #	Client Sample ID	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
94944	MW-2-3	N.D.	N.D.	N.D.	N.D.
94945	QC-1	N.D.	N.D.	N.D.	N.D.
94946	QC-2	N.D.	N.D.	N.D.	N.D.
Reporting Limits		0.5	0.5	0.5	0.5
Blank Result		N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)		103	105	109	109



Billy Thach  
Chemist



Ali Kharrazi  
Organic Manager



# CHROMALAB, INC.

## SAMPLE RECEIPT CHECKLIST

Client Name ALISTO Date/Time Received 7/5/95 1128  
 Project PGE-OAKLAND Received by B. Horn Date 1 Time  
 Reference/Subm # 22782/9507020 Carrier name \_\_\_\_\_  
 Checklist completed by: [Signature] 7/6/95 Logged in by KM 7/5/95  
 Signature \_\_\_\_\_ Date \_\_\_\_\_ Initials \_\_\_\_\_ Date \_\_\_\_\_  
 Matrix H<sub>2</sub>O

Shipping container in good condition? NA  Yes  No

Custody seals present on shipping container? Intact  Broken  Yes  No

Custody seals on sample bottles? Intact  Broken  Yes  No

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Samples intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

VOA vials have zero headspace? NA  Yes  No

Trip Blank received? NA  Yes  No

All samples received within holding time? Yes  No

Container temperature? \_\_\_\_\_

pH upon receipt \_\_\_\_\_ pH adjusted 2 Check performed by: \_\_\_\_\_ NA

Any NO response must be detailed in the comments section below. If items are not applicable, they should be marked NA.

Client contacted? \_\_\_\_\_ Date contacted? \_\_\_\_\_  
 Person contacted? \_\_\_\_\_ Contacted by? \_\_\_\_\_  
 Regarding? \_\_\_\_\_  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Corrective Action: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**Pacific Gas and Electric Company**

San Francisco Bay Power Plants  
1000 Evans Avenue  
San Francisco, CA 94124  
415/695-2200  
Fax 415/695-2267

Gregg L. Lemler  
Manager

July 27, 1995

SOLD 64



Ms. Jennifer Eberle  
Hazardous Materials Specialist  
Alameda County Department of Environmental Health  
UST Local Oversight Program  
1131 Harbor Way Parkway, 2nd Floor  
Alameda, CA 94502-6577

Dear Ms. Eberle:

Please find attached herewith a copy of the Quarterly Subsurface Investigation Report for Pacific Gas and Electric Company, Oakland Power Plant at 50 Martin Luther King Jr. Way, Oakland, California, 94621. This report is submitted to your office as requested in your letter dated April 23, 1993.

Results of the quarterly sampling show that total petroleum hydrocarbons as diesel (TPH-D) were not detected in all three wells except unknown compounds in the diesel range were reported in all three wells as shown in Table 1. Also, as requested in your letter dated July 6, 1995, the TPH-D column in Table 1 has been modified to include reported concentrations of unknown hydrocarbons in the diesel range and footnoted accordingly for the previous two quarters. We will continue to monitor these wells on a quarterly basis.

Well No. MW-2-3 was sampled and tested for Benzene, Toluene, Ethyl benzene, and Xylenes (BTEX), BTEX were not detected in this well. We will continue to monitor this well for BTEX on a quarterly basis.

Should you have any questions regarding this matter, please contact Mr. Avtar S. Virdee of my staff at (415) 695-2205.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gregg L. Lemler'. The signature is fluid and cursive.

Gregg L. Lemler  
Plant Manager

ASV:dms

Attachment

28 10 1995 1-317V 06  
T/ALLEN/SHANE  
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