

# **EXHIBIT 20**

California Regional Water Quality Control Board  
Central Valley Region  
1685 E Street  
Fresno, CA 93706-2020

MONITORING REPORT REVIEW

Engineer DP

Compliance Yes  no

Date Reviewed 8/27/07

Attention: Mr. Dale Harvey, Senior Engineer

Subject: Malaga County Water District  
Identifier BVV7-N2B, WDR No. 99-100 NPDES CA0084239  
Telephone Number 559-485-7353

Dear Mr. Harvey:

Please find attached the monthly operations report for the Malaga County Water District for the month of July / Year 2007. The report includes the following subjects:

- 1) Influent Monitoring and Secondary Effluent Monitoring (monthly and quarterly report) Secondary Effluent Pesticides lab testing results update.
- 2) Tertiary Effluent Monitoring (monthly report)
- 3) Evaporation/Percolation Pond Monitoring (monthly report)
- 4) Receiving Water Monitoring (monthly reports)
  - I. R-1 Receiving Water Upstream of Discharge
  - II. R-2 Receiving Water Downstream of Discharge
- 5) R-1 Receiving Water Dioxin lab testing results update.
- 6) Supporting Laboratory Documentation included with this report..

I certify that under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Souy Morales  
Malaga wastewater  
Treatment plant  
operator

8-20-07  
AUG 20 2007  
FRESNO, CALIF.





Date: July / Year: 2007

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. 99-100  
 NPDES NO. CA 0084239  
 RECEIVING WATER MONITORING MONTHLY REPORT

DATE	DAY	TOTAL FLOW MGD	MAX FLOW MGD	pH	DLR	EC umhos/cm	DLR	TEMP deg F	DLR	TOTAL RES CL mg/l	DLR	DO mg/l	DLR	AMMONIA mg/l	DLR	Fecal Col. MPN/100ml	DLR	NO3-N mg/l	DLR	TKN mg/l	DLR	TOTAL P mg/l	DLR	Turbidity NTU	DLR	Minerals mg/l	
																											1
DISCHARGE LIMIT						less than 60				less than 0.1		5.0 min. weekly															
1	s	87.24		7.5				63		less than	0.1																
2	m	85.3		7.3				62		less than	0.1																
3	tu	87.24		7.3				64		less than	0.1																
4	w	91.77		7				65		less than	0.1																
5	th	90.47		7.5				63		less than	0.1																
6	f	89.18		7.2				69		less than	0.1	7.4															
7	s	87.89		7.6				63		less than	0.1																
8	s	85.95		7				62		less than	0.1																
9	m	91.77		no tertiary effluent discharge				64		less than	0.1																
10	tu	94.35		7.2				64		less than	0.1																
11	w	94.35		7				64		less than	0.1																
12	th	94.35		7.4				69		less than	0.1																
13	f	91.77		7.6				64		less than	0.1	6.8															
14	s	87.24		7				63		less than	0.1																
15	s	90.47		7				63		less than	0.1																
16	m	92.41		7				68		less than	0.1																
17	tu	84.01		7.8				68		less than	0.1																
18	w	94.35		7				64		less than	0.1																
19	th	92.41		7.2				67		less than	0.1																
20	f	92.41		7.3				63		less than	0.1	8															
21	s	90.47		7.2				71		less than	0.1																
22	s	92.41		7.4				68		less than	0.1																
23	m	92.41		no tertiary effluent discharge				75		less than	0.1																
24	tu	90.47		7.3				67		less than	0.1																
25	w	92.41		7.5				68		less than	0.1																
26	th	92.41		7.6				66		less than	0.1																
27	f	96.94		7.8				65		less than	0.1	7.5															
28	s	88.53		7.8				66		less than	0.1																
29	s	81.43		6.8				37		less than	0.1																
30	m	83.36		no tertiary effluent discharge				66		less than	0.1																
31	tu	95.64		no tertiary effluent discharge				65		less than	0.1																
TOTAL		2801						65		less than	0.1	7.4															
AVE		90.36		7.3				32		less than	0.1	7.4															

Submitted by: *Jerry Morales* Date: *8-20-07* NOTES: 1. MONITORING IS DAILY UNLESS NOTED OTHERWISE  
 2. STATION R1 - 500 FT UPSTREAM OF THE POINT OF DISCHARGE INTO THE FID CANAL  
 3. STATION R2- 500 FT DNSTREAM OF THE POINT OF DISCHARGE INTO THE FID CANAL

(a) The discharge of effluent shall not cause the D. O. to fall below 5.0 mg/l



Date : July / Year : 2007

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. 99-100  
 NPDES NO. CA 0084239  
 RECEIVING WATER MONITORING MONTHLY REPORT

DATE	DAY	TOTAL FLOW MGD	MAX FLOW MGD	pH	DLR	EC umhos/cm	DLR TEMP deg F	DLR	TOTAL RES CL mg/l	DLR	DO mg/l	DLR	AMMONIA mg/l	DLR	Fecal Col. MPN/100 ml	DLR	NO3-N mg/l	DLR	TKN mg/l	DLR	TOTAL P mg/l	DLR	Turbidity NTU	DLR	Minerals mg/l annually	
																										0.1
1	s	87.58		7.5		60			less than 0.1	0.1	Note a															
2	m	85.6		7.5		34			less than 0.1	0.1																
3	tu	85.57		7.3		36			less than 0.1	0.1																
4	w	92.1		7.1		34			less than 0.1	0.1																
5	th	90.81		7.3		30			less than 0.1	0.1																
6	f	89.48		7.1		35			less than 0.1	0.1	7.8															
7	s	88.24		7.3		32			less than 0.1	0.1																
8	s	86.3		6.9		36			less than 0.1	0.1																
9	m	91.77		no tertiary effluent discharge					less than 0.1	0.1																
10	tu	94.7		7.3		39			less than 0.1	0.1																
11	w	94.7		7.1		35			less than 0.1	0.1																
12	th	94.7		7.4		34			less than 0.1	0.1																
13	f	92.12		7.5		43			less than 0.1	0.1	7.1															
14	s	87.59		6.9		31			less than 0.1	0.1																
15	s	90.72		6.9		44			less than 0.1	0.1																
16	m	92.74		7		31			less than 0.1	0.1																
17	tu	84.34		7.7		29			less than 0.1	0.1																
18	w	94.67		7		27			less than 0.1	0.1																
19	th	92.76		7		30			less than 0.1	0.1																
20	f	92.76		7.4		29			less than 0.1	0.1	7.4															
21	s	90.8		7		33			less than 0.1	0.1																
22	s	92.72		7.2		no tertiary effluent discharge			less than 0.1	0.1																
23	m	92.41		no tertiary effluent discharge					less than 0.1	0.1																
24	tu	90.82		7.3		31			less than 0.1	0.1																
25	w	92.76		7.5		31			less than 0.1	0.1																
26	th	92.75		7.6		35			less than 0.1	0.1																
27	f	97.29		7.6		28			less than 0.1	0.1	7.3															
28	s	88.87		7.6		33			less than 0.1	0.1																
29	s	81.78		6.9		37			less than 0.1	0.1																
30	m	83.36		no tertiary effluent discharge					less than 0.1	0.1																
31	tu	95.64		no tertiary effluent discharge					less than 0.1	0.1																
TOTAL		2808							less than 0.1	0.1	7.4															
AVE		90.8		7.2		33			less than 0.1	0.1	7.4															

Submitted by: *Jenny Morales* Date: *8/20/07*

NOTES: 1. MONITORING IS DAILY UNLESS NOTED OTHERWISE  
 2. STATION R1 - 500 FT UPSTREAM OF THE POINT OF DISCHARGE INTO THE FID CANAL  
 3. STATION R2- 500 FT DNSTREAM OF THE POINT OF DISCHARGE INTO THE FID CANAL

(a) The discharge of effluent shall not cause the D. O. to fall below 5.0 mg/l

Identifier: BVV7-N2B  
 phone: (559) 449-2700

Station = R - 2

Month = July / Year = 2007

	Floating Matter Yes/No	Object Growth Yes/No	Nuisance Condition Yes/No	Aquatic Life Yes/No	Discolor- ation Yes/No	Visible Sheens Yes/No	Bottom Deposits Yes/No
1	N	N	N	N	N	N	N
2	O	O	O	O	O	O	O
3	N	N	N	N	N	N	N
4	O	O	O	O	O	O	O
5	N	N	N	N	N	N	N
6	O	O	O	O	O	O	O
7	N	N	N	N	N	N	N
8	O	O	O	O	O	O	O
9	N	N	N	N	N	N	N
10	O	O	O	O	O	O	O
11	N	N	N	N	N	N	N
12	O	O	O	O	O	O	O
13	N	N	N	N	N	N	N
14	O	O	O	O	O	O	O
15	N	N	N	N	N	N	N
16	O	O	O	O	O	O	O
17	N	N	N	N	N	N	N
18	O	O	O	O	O	O	O
19	N	N	N	N	N	N	N
20	O	O	O	O	O	O	O
21	N	N	N	N	N	N	N
22	O	O	O	O	O	O	O
23	N	N	N	N	N	N	N
24	O	O	O	O	O	O	O
25	N	N	N	N	N	N	N
26	O	O	O	O	O	O	O
27	N	N	N	N	N	N	N
28	O	O	O	O	O	O	O
29	N	N	N	N	N	N	N
30	O	O	O	O	O	O	O
31	N	N	N	N	N	N	N

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Date

**MALAGA COUNTY WATER DISTRICT  
WASTEWATER TREATMENT PLANT  
MONITORING AND REPORTING PROGRAM NO. 99-100  
EVAPORATION/PERCOLATION POND MONITORING MONTHLY REPORT**

Month: July / Year: 2007

DATE	POND1		POND2		POND3		POND4		POND5		POND6		POND7		POND8	
	DO mg/l	FRB ft														
DISCHARGE LIMIT	1.0 min.	2 ft. min.														
1																
2																
3																
4																
5																
6	7.9	3	10.9	2.25	12.3	1.91	10.8	2	11	2	10.5	2.25	11	2	9.9	2.08
7																
8																
9																
10																
11																
12																
13	5.8	3	5.6	2.3	5.2	2	7.1	2.16	6.5	2.08	7.7	2.41	5.1	2.08	5.5	2.25
14																
15																
16																
17																
18																
19																
20	6.3	3.3	6.6	2.58	2.5	2.3	2.6	2.41	11.4	2.41	3.3	2.33	3.1	2	5.3	1.75
21																
22																
23																
24																
25																
26																
27	7.5	2.33	6.6	2.5	6.1	2.16	6.4	2.25	6.5	2.16	4.9	2.33	7.3	2	7.6	2.25
28																
29																
30																
31																

Pond Observations:

Submitted by: *Josy Morales* Date: *8-20-07*

MALAGA COUNTY WATER DISTRICT  
WASTEWATER TREATMENT PLANT  
MONITORING AND REPORTING PROGRAM NO.99-100  
NPDES NO. CA 0084239  
EVAPORATION /PERCOLATION POND MONITORING MONTHLY REPORT

July : 2007

	POND 1	POND 2	POND 3	POND 4	POND 5	POND 6	POND 7	POND 8
WEEK 1								
Weeds (Y, N) Locations	no							
Surface Material(Y, N) Locations	no							
Burrowing Animals (Y, N)	no							
Insects (Y, N)	no							
Color	light green							
WEEK 2								
Weeds (Y, N) Locations	N	N	N	N	N	N	N	N
Surface Material(Y, N) Locations	N	N	N	N	N	N	N	N
Burrowing Animals (Y, N)	N	N	N	N	N	N	N	N
Insects (Y, N)	N	N	N	N	N	N	N	N
Color	light green							
WEEK 3								
Weeds (Y, N) Locations	N	N	N	N	N	N	N	N
Surface Material(Y, N) Locations	N	N	N	N	N	N	N	N
Burrowing Animals (Y, N)	N	N	N	N	N	N	N	N
Insects (Y, N)	N	N	N	N	N	N	N	N
Color	light green	clear	light green					
WEEK 4								
Weeds (Y, N) Locations	N	N	N	N	N	N	N	N
Surface Material(Y, N) Locations	N	N	N	N	N	N	N	N
Burrowing Animals (Y, N)	N	N	N	N	N	N	N	N
Insects (Y, N)	N	N	N	N	N	N	N	N
Color	light green	light green	light green	clear	light green	light green	light green	light green
WEEK 5								
Surface Material(Y, N) Locations								
Burrowing Animals (Y, N)								
Insects (Y, N)								
Color								

Submitted by Juan Morales Date: 8-20-07  
NOTE: Y=Yes  
N=No





California ELAP Certificate #1371

2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 24, 2007

Work Order #: 7G03012

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/03/07 . For your reference, these analyses have been assigned laboratory work order number 7G03012.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

AUG - 3 2007



California ELAP Certificate #1371

2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/24/07
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**Analytical Report for Work Order 7G03012**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Effluent</b>			Sampled:07/02/07 17:00		<b>7G03012-01 (Waste Water)</b>			
Specific Conductance (EC)	760	1.0	µS/cm	1	T7G0314	07/03/07	07/03/07	EPA 120.1
<b>Tertiary Effluent</b>			Sampled:07/02/07 08:30		<b>7G03012-02 (Waste Water)</b>			
Turbidity	1.4	0.020	NTU	1	T7G0313	07/03/07	07/03/07	EPA 180.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/02/07 09:30		<b>7G03012-03 (Surface Water)</b>			
Turbidity	1.7	0.020	NTU	1	T7G0313	07/03/07	07/03/07	EPA 180.1
<b>Tertiary Effluent Station R2</b>			Sampled:07/02/07 09:35		<b>7G03012-04 (Surface Water)</b>			
Turbidity	1.6	0.020	NTU	1	T7G0313	07/03/07	07/03/07	EPA 180.1

**Notes and Definitions**

- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

AUG 3 2007

Moore Twining Associates, Inc.  
 Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.*



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 13, 2007

Work Order #: 7G05020

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/05/07 . For your reference, these analyses have been assigned laboratory work order number 7G05020.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, The Twining Laboratories, Inc. (TL) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**The Twining Laboratories, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 25 2007

Malaga County Water District  
3580 S. Frank  
Fresno CA, 93725

Project: Malaga Sewer Plant  
Project Number: Analytical Services  
Project Manager: Tony Morales

Reported:  
07/13/07

### Analytical Report for Work Order 7G05020

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Effluent</b>			Sampled:07/05/07 09:20		<b>7G05020-01 (Waste Water)</b>			
Specific Conductance (EC)	640	1.0	μS/cm	1	T7G0512	07/05/07	07/05/07	EPA 120.1
<b>Tertiary Effluent</b>			Sampled:07/05/07 08:40		<b>7G05020-02 (Waste Water)</b>			
Specific Conductance (EC)	690	1.0	μS/cm	1	T7G0512	07/05/07	07/05/07	EPA 120.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/05/07 09:35		<b>7G05020-03 (Surface Water)</b>			
Specific Conductance (EC)	31	1.0	μS/cm	1	T7G0512	07/05/07	07/05/07	EPA 120.1
<b>Tertiary Effluent Station R2</b>			Sampled:07/05/07 09:40		<b>7G05020-04 (Surface Water)</b>			
Specific Conductance (EC)	30	1.0	μS/cm	1	T7G0512	07/05/07	07/05/07	EPA 120.1

#### Notes and Definitions

ug/L micrograms per liter (parts per billion concentration units)  
 mg/L milligrams per liter (parts per million concentration units)  
 mg/kg milligrams per kilogram (parts per million concentration units)  
 ND Analyte NOT DETECTED at or above the reporting limit  
 RPD Relative Percent Difference

JUL 25 2007

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
Joseph A. Ureno, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Laboratory Work Order #: 7G06008

2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District  
 3580 S. Frank  
 Fresno CA, 93725

Project: Malaga Sewer Plant  
 Project Number: Analytical Services  
 Project Manager: Tony Morales

Report Date:  
 07/16/2007

**Analytical Report for Microbiologicals**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b> <span style="float: right;">Laboratory ID#: 7G06008-01 (Waste Water)</span>								
<i>Date Sampled: 7/6/07 9:45</i>			<i>Sampled By: Tony Morales</i>			<i>Date Received: 7/6/07 10:55</i>		
Total Coliforms	<2	2.0	MPN/100 mL	1	T7G0619	07/06/07	07/08/07	SM9221B/E/F
<b>Tertiary Effluent Station R1</b> <span style="float: right;">Laboratory ID#: 7G06008-02 (Surface Water)</span>								
<i>Date Sampled: 7/6/07 9:55</i>			<i>Sampled By: Tony Morales</i>			<i>Date Received: 7/6/07 10:55</i>		
Fecal Coliforms	110	2.0	MPN/100 mL	1	T7G0619	07/06/07	07/09/07	SM9221B/E/F
<b>Tertiary Effluent Station R2</b> <span style="float: right;">Laboratory ID#: 7G06008-03 (Surface Water)</span>								
<i>Date Sampled: 7/6/07 10:00</i>			<i>Sampled By: Tony Morales</i>			<i>Date Received: 7/6/07 10:55</i>		
Fecal Coliforms	300	2.0	MPN/100 mL	1	T7G0619	07/06/07	07/09/07	SM9221B/E/F

JUL 25 2007

**Notes and Definitions**

\_3x5 <2

ND Analyte NOT DETECTED at or above the reporting limit  
 NR Not Reported

MPN Most Probable Number  
 CFU Colony Forming Units

mg/L milligrams/Liter (ppm)  
 ug/L micrograms/Liter (ppb)

Moore Twining Associates, Inc.

Ronald J Boquist Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joseph A Ureno Quality Assurance Manager



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 13, 2007

Work Order #: 7G05021

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/05/07. For your reference, these analyses have been assigned laboratory work order number 7G05021.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, The Twining Laboratories, Inc. (TL) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**The Twining Laboratories, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 25 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District  
 3580 S. Frank  
 Fresno CA, 93725

Project: Malaga Sewer Plant  
 Project Number: Analytical Services  
 Project Manager: Tony Morales

Reported:  
 07/13/07

**Analytical Report for Work Order 7G05021**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>			Sampled:07/04/07 08:30		<b>7G05021-01 (Waste Water)</b>			
Turbidity	0.79	0.020	NTU	1	T7G0617	07/06/07	07/06/07	EPA 180.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/05/07 09:35		<b>7G05021-02 (Surface Water)</b>			
Turbidity	1.6	0.020	NTU	1	T7G0617	07/06/07	07/06/07	EPA 180.1
<b>Tertiary Effluent Station R2</b>			Sampled:07/05/07 09:40		<b>7G05021-03 (Surface Water)</b>			
Turbidity	1.6	0.020	NTU	1	T7G0617	07/06/07	07/06/07	EPA 180.1

**Notes and Definitions**

- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

JUL 25 2007

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 Joseph A. Ureno, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 13, 2007

Work Order #: 7G05022

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/05/07 . For your reference, these analyses have been assigned laboratory work order number 7G05022.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, The Twining Laboratories, Inc. (TL) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**The Twining Laboratories, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 25 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District  
 3580 S. Frank  
 Fresno CA, 93725

Project: Malaga Sewer Plant  
 Project Number: Analytical Services  
 Project Manager: Tony Morales

Reported:  
 07/13/07

### Analytical Report for Work Order 7G05022

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Raw Wastewater</b>			Sampled:07/04/07 10:00		<b>7G05022-01 (Waste Water)</b>			
Total Suspended Solids	68	20	mg/L	5	T7G1004	07/10/07	07/11/07	EPA 160.2
Total Settleable Solids	7.0	0.10	mL/L/Hr	1	T7G0519	07/05/07	07/05/07	EPA 160.5
Biochemical Oxygen Demand	72	30	mg/L	30	T7G0517	07/05/07	07/10/07	SM5210B/EPA 405.1
<b>Final Effluent</b>			Sampled:07/04/07 16:30		<b>7G05022-02 (Waste Water)</b>			
Total Suspended Solids	ND	4.0	mg/L	1	T7G1004	07/10/07	07/11/07	EPA 160.2
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G0519	07/05/07	07/05/07	EPA 160.5
Biochemical Oxygen Demand	ND	1.0	mg/L	1	T7G0517	07/05/07	07/10/07	SM5210B/EPA 405.1
<b>Tertiary Effluent</b>			Sampled:07/05/07 08:40		<b>7G05022-03 (Waste Water)</b>			
Nitrate as Nitrogen	11	0.45	mg/L	1	[CALC]	07/10/07	07/05/07	[CALC]
Nitrite as Nitrogen	ND	0.30	mg/L	1	[CALC]	07/10/07	07/05/07	[CALC]
Total Nitrogen	13	1.8	mg/L	1	[CALC]	07/10/07	07/11/07	[CALC]
Total Suspended Solids	4.0	4.0	mg/L	1	T7G1004	07/10/07	07/11/07	EPA 160.2
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G0519	07/05/07	07/05/07	EPA 160.5
Nitrite as NO2	ND	1.0	mg/L	1	T7G0502	07/05/07	07/05/07	EPA 300.0
Nitrate as NO3	50	2.0	mg/L	1	T7G0502	07/05/07	07/05/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G1103	07/11/07	07/12/07	EPA 350.1
Total Kjeldahl Nitrogen	2.0	1.0	mg/L	1	T7G1001	07/10/07	07/11/07	EPA 351.2
Phosphorus	2.9	0.10	mg/L	1	T7G1001	07/10/07	07/11/07	EPA 365.4
Biochemical Oxygen Demand	ND	1.0	mg/L	1	T7G0517	07/05/07	07/10/07	SM5210B/EPA 405.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/05/07 09:35		<b>7G05022-04 (Surface Water)</b>			
Nitrate as Nitrogen	ND	0.45	mg/L	1	[CALC]	07/05/07	07/05/07	EPA 300.0
Nitrate as NO3	ND	2.0	mg/L	1	T7G0502	07/05/07	07/05/07	EPA 300.0
Ammonia as N	1.1	1.0	mg/L	1	T7G1103	07/11/07	07/12/07	EPA 350.1
Total Kjeldahl Nitrogen	1.1	1.0	mg/L	1	T7G1001	07/10/07	07/11/07	EPA 351.2
Phosphorus	ND	0.10	mg/L	1	T7G1001	07/10/07	07/11/07	EPA 365.4
<b>Tertiary Effluent Station R2</b>			Sampled:07/05/07 09:40		<b>7G05022-05 (Surface Water)</b>			
Nitrate as Nitrogen	ND	0.45	mg/L	1	[CALC]	07/05/07	07/05/07	EPA 300.0
Nitrate as NO3	ND	2.0	mg/L	1	T7G0502	07/05/07	07/05/07	EPA 300.0
Ammonia as N	3.3	1.0	mg/L	1	T7G1103	07/11/07	07/12/07	EPA 350.1
Total Kjeldahl Nitrogen	ND	1.0	mg/L	1	T7G1001	07/10/07	07/11/07	EPA 351.2
Phosphorus	0.14	0.10	mg/L	1	T7G1001	07/10/07	07/11/07	EPA 365.4

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 Joseph A. Ureno, Quality Assurance Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

JUL 25 2007



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 17, 2007

Work Order #: 7G09010

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/09/07 . For your reference, these analyses have been assigned laboratory work order number 7G09010.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, The Twining Laboratories, Inc. (TL) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**The Twining Laboratories, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 31 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 07/17/07
---	---	-----------------------

### Analytical Report for Work Order 7G09010

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Effluent</b>						Sampled:07/09/07 08:45		<b>7G09010-01 (Waste Water)</b>
Specific Conductance (EC)	700	1.0	µS/cm	1	T7G0917	07/09/07	07/09/07	EPA 120.1

#### Notes and Definitions

- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

JUL 31 2007

Moore Twining Associates, Inc.  
 Ronald J. Boquist, Director of Analytical Chemistry  
 Joseph A. Ureno, Quality Assurance Manager

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2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 17, 2007

Work Order #: 7G11010

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/11/07 . For your reference, these analyses have been assigned laboratory work order number 7G11010.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, The Twining Laboratories, Inc. (TL) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**The Twining Laboratories, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 31 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 07/17/07
---	---	-----------------------

### Analytical Report for Work Order 7G11010

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Effluent</b>			Sampled:07/11/07 09:00		<b>7G11010-01 (Waste Water)</b>			
Specific Conductance (EC)	720	1.0	µS/cm	1	T7G1115	07/11/07	07/11/07	EPA 120.1
<b>Tertiary Effluent</b>			Sampled:07/11/07 09:00		<b>7G11010-02 (Waste Water)</b>			
Specific Conductance (EC)	790	1.0	µS/cm	1	T7G1115	07/11/07	07/11/07	EPA 120.1

#### Notes and Definitions

- ug/L      micrograms per liter (parts per billion concentration units)
- mg/L      milligrams per liter (parts per million concentration units)
- mg/kg     milligrams per kilogram (parts per million concentration units)
- ND        Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference

JUL 31 2007

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 Joseph A. Ureno, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.*



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 20, 2007

Work Order #: 7G11009

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/11/07 . For your reference, these analyses have been assigned laboratory work order number 7G11009.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 31 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/20/07
---	---	----------------------

### Analytical Report for Work Order 7G11009

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>			Sampled:07/10/07 16:30		<b>7G11009-01 (Waste Water)</b>			
Nitrate as Nitrogen	15	1.4	mg/L	3	[CALC]	07/12/07	07/12/07	[CALC]
Nitrite as Nitrogen	ND	0.30	mg/L	1	[CALC]	07/12/07	07/11/07	[CALC]
Total Nitrogen	18	2.7	mg/L	3	[CALC]	07/12/07	07/17/07	[CALC]
Specific Conductance (EC)	800	1.0	µS/cm	1	T7G1115	07/11/07	07/11/07	EPA 120.1
Total Suspended Solids	ND	HT 4.0	mg/L	1	T7G1812	07/18/07	07/19/07	EPA 160.2
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G1208	07/12/07	07/12/07	EPA 160.5
Turbidity	1.1	0.020	NTU	1	T7G1113	07/11/07	07/11/07	EPA 180.1
Nitrite as NO2	ND	1.0	mg/L	1	T7G1102	07/11/07	07/11/07	EPA 300.0
Nitrate as NO3	67	6.0	mg/L	3	T7G1202	07/12/07	07/12/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G1702	07/17/07	07/18/07	EPA 350.1
Total Kjeldahl Nitrogen	2.8	1.0	mg/L	1	T7G1203	07/12/07	07/17/07	EPA 351.2
Phosphorus	3.2	0.10	mg/L	1	T7G1203	07/12/07	07/17/07	EPA 365.4
Biochemical Oxygen Demand	4.8	1.0	mg/L	1	T7G1212	07/12/07	07/17/07	SM5210B/EPA 405.1

#### Notes and Definitions

- HT This result was analyzed outside of the EPA recommended holding time.
- µg/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

JUL 31 2007

Moore Twining Associates, Inc.  
 Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.

Enclosure C  
 PRIORITY POLLUTANT MONITORING  
 FORM TRANSMITTAL

For July  
 Month

2007  
 Year

Discharger Name  
 NPDES Permit Number  
 Discharger Contact Name  
 Discharger Contact Telephone  
 Discharger Contact E-mail Address

MALAGA WASTEWATER TREATMENT PLANT
CA0084239
TONY MORALES
559-264-0307
malagasp1@pacbell.net

Laboratory Name  
 ELAP Number  
 Laboratory Contact Name  
 Laboratory Contact Telephone  
 Laboratory Contract E-mail Address

Twining Laboratories
1371
RON J. BOQUIST
559-268-7021

Sample Date  
 Discharge flow at time of sampling (mgd)  
 Receiving water flow at time of sampling (mgd)  
 Discharge pH  
 Receiving water pH  
 Discharge hardness (as CaCO3)  
 Receiving water hardness (as CaCO3)

7/11/2007
0.35
94.35
6.9
7

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or person who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Tony Morales  
 Print Name

Tony Morales  
 Signature

8-20-07  
 Date



2527 Fresno Street  
Fresno, CA 93721  
Office: (559) 268-7021  
Fax: (559) 268-0740

## Analytical Chemistry Division

August 3, 2007

Work Order #: 7G12015

Malaga County Water District  
Tony Morales  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 7/12/07. For your reference, these analyses have been assigned laboratory work order number 7G12015.

**Please find enclosed the official letter of documentation for the Dioxin analysis from the subcontracted laboratory, which was received at our laboratory on 8/02/07.**

All analyses have been performed according to our subcontractor laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results only apply to samples analyzed.

If you have any questions, Please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

A handwritten signature in black ink, appearing to read 'Ronald J. Boquist', is written over the typed name.

Ronald J. Boquist  
Director of Analytical Chemistry

AUG 10 2007



Pace Analytical Services, Inc.  
1700 Elm Street  
Minneapolis, MN 55414  
Phone: 612.607.1700  
Fax: 612.607.6444

**DETERMINATION OF 2,3,7,8-TCDD**

Prepared for:  
**The Twining Laboratories, Inc.**  
Attn: Andrea Seruntine  
2527 Fresno Street  
Fresno, CA 93721

The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

**Project: TCDD Analysis**

**Client Project Number: 7G12015**

**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.



REPORT OF: TCDD ANALYSES

Pace Analytical Services, Inc.  
1700 Elm Street  
Minneapolis, MN 55414  
Phone: 612.607.1700  
Fax: 612.607.6444

PROJECT: TCDD ANALYSES

DATE: August 1, 2007

ISSUED TO: The Twining Laboratories, Inc.  
Attn: Andrea Seruntine  
2527 Fresno Street  
Fresno, CA 93721

REPORT NO:07-1055373

INTRODUCTION

This report presents the results from the analyses performed on one sample submitted by a representative of The Twining Laboratories, Inc. The sample was analyzed for the presence or absence of 2,3,7,8-tetrachlorinated dibenzo-p-dioxin (TCDD) using USEPA Method 8280.

SAMPLE IDENTIFICATION

<u>Client ID</u>	<u>Sample Type</u>	<u>Date Received</u>	<u>Pace ID</u>
7G12015-01	Water	05/16/07	1055373001

DISCUSSION

The isotopically-labeled TCDD internal standard in the sample extract was recovered at 76%. All of the labeled standard recoveries obtained for this project were within the Method 8280 target ranges. Also, since the internal standards were added prior to extraction, the data were corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank to be free of 2,3,7,8-TCDD to the reporting limit. This indicates that the sample preparation procedures did not significantly impact the results of the field sample determinations.

A laboratory spike sample was also prepared with the sample batch by extracting laboratory water fortified with native standard. The native TCDD in the spiked sample was recovered at 87%. These results indicate high degrees of accuracy and precision for these determinations.

**REPORT OF LABORATORY ANALYSIS**

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without the written consent of Pace Analytical Services, Inc.





Pace Analytical Services, Inc.  
1700 Elm Street  
Minneapolis, MN 55414  
Phone: 612.607.1700  
Fax: 612.607.6444

**REPORT OF: TCDD ANALYSES**

**PROJECT: TCDD ANALYSES**

**DATE: August 1, 2007**

**REPORT NO: 07-1055373**

**REMARKS**

The sample extract will be retained for a period of 15 days from the date of this report and then discarded unless other arrangements are made. The raw mass spectral data will be archived for a period of not less than one year. Questions regarding the data contained in this report may be directed to the author at the number provided below.

**Pace Analytical Services, Inc.**

Norman Hoffa  
Project Manager, Dioxins  
(919) 596-1935

**REPORT OF LABORATORY ANALYSIS**

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without the written consent of Pace Analytical Services, Inc.



**Method 8280 Blank Analysis Results**

 Tel: 612-607-1700  
 Fax: 612-607-6444

Client - The Twining Laboratories, Inc.

Lab Sample ID	BLANK 072307	Matrix	Water
Filename	072307_7230715	Dilution	NA
Total Amount Extracted	1000 mL	Extracted	07/23/2007
ICAL Date	05/08/2007	Analyzed	07/23/2007 23:51
CCal Filename(s)	072307_7230702 & 072307_7230717	Injected By	ACH

Native Isomers	Conc ng/L	EMPC ng/L	PRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	----	10	2,3,7,8-TCDD-13C	50.00	74
				Recovery Standard 1,2,3,4-TCDD-13C	50.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	25.00	81

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).  
 EMPC = Estimated Maximum Possible Concentration  
 PRL = Pace Reporting Limit  
 LOD = Limit of Detection  
 P = Recovery outside of target range

E = PCDE Interference  
 I = Interference  
 ND = Not Detected  
 NA = Not Applicable  
 NC = Not Calculated

Report No.....1055373

**REPORT OF LABORATORY ANALYSIS**

**Method 8280 Analysis Results**

 Tel: 612-607-1700  
 Fax: 612-607-6444

Client - The Twining Laboratories, Inc.

Client's Sample ID	7G12015-01		
Lab Sample ID	1055373001		
Filename	072707_7270706		
Injected By	ACH	Matrix	WATER
Total Amount Extracted	985 mL	Dilution	NA
% Moisture	NA	Collected	07/11/2007
ICAL Date	05/08/2007	Received	07/13/2007
CCal Filename(s)	072707_7270702 & 072707_7270719	Extracted	07/23/2007
Method Blank ID	BLANK 072307	Analyzed	07/27/2007 17:59

Native Isomers	Conc ng/L	EMPC ng/L	PRL ng/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	-----	10	2,3,7,8-TCDD-13C	50.00	76
				Recovery Standard 1,2,3,4-TCDD-13C	50.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	25.00	89

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).  
 EMPC = Estimated Maximum Possible Concentration  
 B = Less than 10 times higher than method blank level  
 P = Recovery outside of target range  
 Nn = Value obtained from additional analysis  
 A = PRL based on signal to noise  
 J = Concentration detected is below the calibration range  
 \* = See discussion

PRL = Pace Reporting Limit  
 LOD = Limit of Detection  
 I = Interference  
 E = PCDE Interference  
 S = Saturated signal  
 ND = Not Detected  
 NA = Not Applicable  
 NC = Not Calculated

Report No.....1055373

**REPORT OF LABORATORY ANALYSIS**

**Method 8280 Laboratory Control Spike Results**

 Tel: 612-607-1700  
 Fax: 612-607-6444

Client - The Twining Laboratories, Inc.

Lab Sample ID	LCS 072307	Matrix	WATER
Filename	072407_7240703	Dilution	NA
Total Amount Extracted	1000 mL	Extracted	07/23/2007
ICAL Date	05/08/2007	Analyzed	07/24/2007 14:36
CCal Filename(s)	072407_7240702 & 072407_7240705	Injected By	ACH
Method Blank ID	BLANK 072307		

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	25.00	21.69	87	2,3,7,8-TCDD-13C	50.00	77
				Recovery Standard 1,2,3,4-TCDD-13C	50.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	25.00	84

Qs = Quantity Spiked  
 Qm = Quantity Measured  
 Rec. = Recovery (Expressed as Percent)  
 P = Outside the target recovery range of the method  
 X = Background subtracted value  
 NA = Not Applicable  
 NC = Not Calculated  
 I = Interference

Report No.....1055373

**REPORT OF LABORATORY ANALYSIS**





www.basiclab.com

voice 530.243.7234 2218 Railroad Avenue  
fax 530.243.7494 Redding, California 96001

July 25, 2007

**Lab ID: 7070495**

ANDREA SERUNTINE  
MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721  
RE: GENERAL TESTING 7G12016

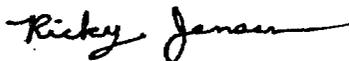
Dear ANDREA SERUNTINE,

Enclosed are the analysis results for Work Order number 7070495. All analysis were performed under strict adherence to our established Quality Assurance Plan. Any abnormalities are listed in the qualifier section of this report.

If you have any questions regarding these results, please feel free to contact us at any time. We appreciate the opportunity to service your environmental testing needs.

Sincerely,

  
For



Ricky D. Jensen  
Laboratory Director  
California ELAP Certification Number 1677

AUG - 3 2007



2527 Fresno Street  
Fresno, CA 93721  
Office: (559) 268-7021  
Fax: (559) 268-0740

**Analytical Chemistry Division**

July 31, 2007

Work Order #: 7G12016

Malaga County Water District  
Tony Morales  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 7/12/07. For your reference, these analyses have been assigned laboratory work order number 7G12016.

**Please find enclosed the official letter of documentation for the 625 analysis from the subcontracted laboratory, which was received at our laboratory on 7/30/07.**

All analyses have been performed according to our subcontractor laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results only apply to samples analyzed.

If you have any questions, Please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

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**Report To:** MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721

**Attention:** ANDREA SERUNTINE

**Project:** GENERAL TESTING 7G12016

**Lab No:** 7070495  
**Reported:** 07/25/07  
**Phone:** (559) 268-7021  
**P.O. #**

### Notes and Definitions

QR-05 The RPD result for the LCS/LCSD exceeded the QC control limit; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). The J flag is equivalent to the DNQ Estimated Concentration flag.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the detection limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

< Less than reporting limit

≤ Less than or equal to reporting limit

> Greater than reporting limit

≥ Greater than or equal to reporting limit

MDL Method Detection Limit

RL/ML Minimum Level of Quantitation

MCL/AL Maximum Contaminant Level/Action Level

mg/kg Results reported as wet weight

TTLC Total Threshold Limit Concentration

STLC Soluble Threshold Limit Concentration

TCLP Toxicity Characteristic Leachate Procedure

  
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**Report To:** MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721

**Attention:** ANDREA SERUNTINE

**Project:** GENERAL TESTING 7G12016

**Description:** 7G12016-01 FINAL EFFLUENT

**Matrix:** Water

**Lab ID:** 7070495-01

**Lab No:** 7070495  
**Reported:** 07/25/07  
**Phone:** (559) 268-7021  
**P.O. #**

**Sampled:** 07/11/07 15:25

**Received:** 07/13/07 10:55

### Semi Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Acenaphthene	ug/l	ND		0.5	1	EPA 625	07/23/07	07/16/07	B7G0349
Acenaphthylene	"	ND		1	5	"	"	"	"
Aniline	"	ND		1	5	"	"	"	"
Anthracene	"	ND		1	5	"	"	"	"
Benzidine	"	ND		1	5	"	"	"	"
Benzo (a) anthracene	"	ND		1	5	"	"	"	"
Benzo (a) pyrene	"	ND		1	5	"	"	"	"
Benzo (b) fluoranthene	"	ND		1	5	"	"	"	"
Benzo (g,h,i) perylene	"	ND		1	5	"	"	"	"
Benzo (k) fluoranthene	"	ND		2	5	"	"	"	"
Benzoic acid	"	ND		0.2	10	"	"	"	"
Benzyl alcohol	"	ND		1	5	"	"	"	"
Bis(2-chloroethoxy)methane	"	ND		1	5	"	"	"	"
Bis(2-chloroethyl)ether	"	ND		0.5	1	"	"	"	"
Bis(2-chloroisopropyl)ether	"	ND		1	2	"	"	"	"
Bis(2-ethylhexyl)phthalate	"	ND		2	5	"	"	"	"
4-Bromophenyl phenyl ether	"	ND		1	5	"	"	"	"
Butyl benzyl phthalate	"	ND		1	5	"	"	"	"
4-Chloroaniline	"	ND		1	2	"	"	"	"
4-Chloro-3-methylphenol	"	ND		0.5	1	"	"	"	"
2-Chloronaphthalene	"	ND		1	2	"	"	"	"
2-Chlorophenol	"	ND		1	5	"	"	"	"
4-Chlorophenyl phenyl ether	"	ND		1	5	"	"	"	"
Chrysene	"	ND		1	5	"	"	"	"
Dibenz (a,h) anthracene	"	ND		1	5	"	"	"	"
Dibenzofuran	"	ND		1	5	"	"	"	"
1,2-Dichlorobenzene	"	ND		0.5	2	"	"	"	"
1,3-Dichlorobenzene	"	ND		0.5	1	"	"	"	"
1,4-Dichlorobenzene	"	ND		0.5	1	"	"	"	"
3,3'-Dichlorobenzidine	"	ND		0.4	5	"	"	"	"
2,4-Dichlorophenol	"	ND		1	2	"	"	"	"
2,6-Dichlorophenol	"	ND		0.8	5	"	"	"	"
Diethyl phthalate	"	ND		1	2	"	"	"	"
2,4-Dimethylphenol	"	ND		1	2	"	"	"	"
4,6-Dinitro-2-methylphenol	"	ND		1	5	"	"	"	"
4,6-Dinitro-o-cresol	"	ND		0.2	5	"	"	"	"
2,4-Dinitrophenol	"	ND		1	5	"	"	"	"
Dimethyl phthalate	"	ND		1	5	"	"	"	"
Di-n-butyl phthalate	"	ND		1	5	"	"	"	"
Di-n-octyl phthalate	"	ND		1	5	"	"	"	"
2,4-Dinitrotoluene	"	ND		1	5	"	"	"	"
2,6-Dinitrotoluene	"	ND		1	5	"	"	"	"
1,2-Diphenylhydrazine	"	ND		0.2	1	"	"	"	"
Fluoranthene	"	ND		0.5	1	"	"	"	"
Fluorene	"	ND		2	5	"	"	"	"
Hexachlorobenzene	"	ND		0.5	1	"	"	"	"
Hexachlorobutadiene	"	ND		0.5	1	"	"	"	"

*Richy Jensen*  
Approved By

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**Report To:** MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721

**Attention:** ANDREA SERUNTINE  
**Project:** GENERAL TESTING 7G12016

**Description:** 7G12016-01 FINAL EFFLUENT

**Matrix:** Water

**Lab ID:** 7070495-01

**Lab No:** 7070495  
**Reported:** 07/25/07  
**Phone:** (559) 268-7021  
**P.O. #**

**Sampled:** 07/11/07 15:25

**Received:** 07/13/07 10:55

### Semi Volatile Organic Compounds

Analyte	Units	Results	Qualifier	MDL	RL	Method	Analyzed	Prepared	Batch
Hexachlorocyclopentadiene	"	ND		1	2	"	"	07/16/07	"
Hexachloroethane	"	ND		0.5	1	"	"	"	"
Indeno (1,2,3-cd) pyrene	"	ND		1	5	"	"	"	"
Isophorone	"	ND		0.5	1	"	"	"	"
Kepone	"	ND		2	5	"	"	"	"
2-Methylnaphthalene	"	ND		1	5	"	"	"	"
2-Methylphenol	"	ND		1	5	"	"	"	"
3 & 4-Methylphenol	"	ND		0.2	2	"	"	"	"
4-Methylphenol	"	ND		1	10	"	"	"	"
Naphthalene	"	ND		0.5	1	"	"	"	"
2-Nitroaniline	"	ND		1	5	"	"	"	"
3-Nitroaniline	"	ND		1	5	"	"	"	"
4-Nitroaniline	"	ND		1	5	"	"	"	"
Nitrobenzene	"	ND		0.5	1	"	"	"	"
2-Nitrophenol	"	ND		1	5	"	"	"	"
4-Nitrophenol	"	ND	QR-05	1	5	"	"	"	"
N-Nitrosodimethylamine	"	ND		0.1	2	"	"	"	"
N-Nitrosodi-n-propylamine	"	ND		1	5	"	"	"	"
N-Nitrosodiphenylamine	"	ND		1	2	"	"	"	"
Pentachlorophenol	"	ND		0.5	5	"	"	"	"
Phenanthrene	"	ND		1	5	"	"	"	"
Phenol	"	ND		0.5	1	"	"	"	"
Pyrene	"	ND		1	5	"	"	"	"
Pyridine	"	ND		1	5	"	"	"	"
1,2,4-Trichlorobenzene	"	ND		1	2	"	"	"	"
2,4,5-Trichlorophenol	"	ND		1	5	"	"	"	"
2,4,6-Trichlorophenol	"	ND		1	5	"	"	"	"
Surrogate: 2-Fluorophenol		53.0 %		30.2-82.4		"	"	"	"
Surrogate: Phenol-d5		34.2 %		21.3-60.2		"	"	"	"
Surrogate: 2,4,6-Tribromophenol		95.5 %		62.5-132		"	"	"	"
Surrogate: Nitrobenzene-d5		72.5 %		48.3-126		"	"	"	"
Surrogate: 2-Fluorobiphenyl		52.8 %		49.2-116		"	"	"	"
Surrogate: Terphenyl-d14		83.6 %		52.1-125		"	"	"	"

*Thibby Jensen*  
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**Report To:** MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721  
**Attention:** ANDREA SERUNTINE  
**Project:** GENERAL TESTING 7G12016

**Lab No:** 7070495  
**Reported:** 07/25/07  
**Phone:** (559) 268-7021  
**P.O. #**

### Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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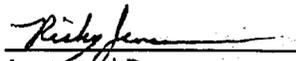
### Semi Volatile Organic Compounds

Batch B7G0349 - EPA 3510C

**Blank**

Acenaphthene	ND	1	ug/l							
Acenaphthylene	ND	5	ug/l							
Aniline	ND	5	ug/l							
Anthracene	ND	5	ug/l							
Benzidine	ND	5	ug/l							
Benzo (a) anthracene	ND	5	ug/l							
Benzo (a) pyrene	ND	5	ug/l							
Benzo (b) fluoranthene	ND	5	ug/l							
Benzo (g,h,i) perylene	ND	5	ug/l							
Benzo (k) fluoranthene	ND	5	ug/l							
Benzoic acid	ND	10	ug/l							
Benzyl alcohol	ND	5	ug/l							
Bis(2-chloroethoxy)methane	ND	5	ug/l							
Bis(2-chloroethyl)ether	ND	1	ug/l							
Bis(2-chloroisopropyl)ether	ND	2	ug/l							
Bis(2-ethylhexyl)phthalate	ND	5	ug/l							
4-Bromophenyl phenyl ether	ND	5	ug/l							
Butyl benzyl phthalate	ND	5	ug/l							
4-Chloroaniline	ND	2	ug/l							
4-Chloro-3-methylphenol	ND	1	ug/l							
2-Chloronaphthalene	ND	2	ug/l							
2-Chlorophenol	ND	5	ug/l							
4-Chlorophenyl phenyl ether	ND	5	ug/l							
Chrysene	ND	5	ug/l							
Dibenz (a,h) anthracene	ND	5	ug/l							
Dibenzofuran	ND	5	ug/l							
1,2-Dichlorobenzene	ND	2	ug/l							
1,3-Dichlorobenzene	ND	1	ug/l							
1,4-Dichlorobenzene	ND	1	ug/l							
3,3'-Dichlorobenzidine	ND	5	ug/l							
2,4-Dichlorophenol	ND	2	ug/l							
2,6-Dichlorophenol	ND	5	ug/l							
Diethyl phthalate	ND	2	ug/l							
2,4-Dimethylphenol	ND	2	ug/l							
4,6-Dinitro-2-methylphenol	ND	5	ug/l							
4,6-Dinitro-o-cresol	ND	5	ug/l							
2,4-Dinitrophenol	ND	5	ug/l							
Dimethyl phthalate	ND	5	ug/l							
Di-n-butyl phthalate	ND	5	ug/l							
Di-n-octyl phthalate	ND	5	ug/l							
2,4-Dinitrotoluene	ND	5	ug/l							
2,6-Dinitrotoluene	ND	5	ug/l							
1,2-Diphenylhydrazine	ND	1	ug/l							
Fluoranthene	ND	1	ug/l							
Fluorene	ND	5	ug/l							

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**Report To:** MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721  
**Attention:** ANDREA SERUNTINE  
**Project:** GENERAL TESTING 7G12016

**Lab No:** 7070495  
**Reported:** 07/25/07  
**Phone:** (559) 268-7021  
**P.O. #**

### Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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### Semi Volatile Organic Compounds

**Batch B7G0349 - EPA 3510C**

Hexachlorobenzene	ND	1	ug/l							
Hexachlorobutadiene	ND	1	ug/l							
Hexachlorocyclopentadiene	ND	2	ug/l							
Hexachloroethane	ND	1	ug/l							
Indeno (1,2,3-cd) pyrene	ND	5	ug/l							
Isophorone	ND	1	ug/l							
Kepone	ND	5	ug/l							
2-Methylnaphthalene	ND	5	ug/l							
2-Methylphenol	ND	5	ug/l							
3 & 4-Methylphenol	ND	2	ug/l							
4-Methylphenol	ND	10	ug/l							
Naphthalene	ND	1	ug/l							
2-Nitroaniline	ND	5	ug/l							
3-Nitroaniline	ND	5	ug/l							
4-Nitroaniline	ND	5	ug/l							
Nitrobenzene	ND	1	ug/l							
2-Nitrophenol	ND	5	ug/l							
4-Nitrophenol	ND	5	ug/l							
N-Nitrosodimethylamine	ND	2	ug/l							
N-Nitrosodi-n-propylamine	ND	5	ug/l							
N-Nitrosodiphenylamine	ND	2	ug/l							
Pentachlorophenol	ND	5	ug/l							
Phenanthrene	ND	5	ug/l							
Phenol	ND	1	ug/l							
Pyrene	ND	5	ug/l							
Pyridine	ND	5	ug/l							
1,2,4-Trichlorobenzene	ND	2	ug/l							
2,4,5-Trichlorophenol	ND	5	ug/l							
2,4,6-Trichlorophenol	ND	5	ug/l							
Surrogate: 2-Fluorophenol	9.20		ug/l	20.0		46.0	30.2-82.4			
Surrogate: Phenol-d5	5.95		ug/l	20.0		29.8	21.3-60.2			
Surrogate: 2,4,6-Tribromophenol	14.8		ug/l	20.0		74.0	62.5-132			
Surrogate: Nitrobenzene-d5	6.37		ug/l	10.0		63.7	48.3-126			
Surrogate: 2-Fluorobiphenyl	5.52		ug/l	10.0		55.2	49.2-116			
Surrogate: Terphenyl-dl4	6.24		ug/l	10.0		62.4	52.1-125			

**LCS**

Acenaphthene	6.02	1	ug/l	10.0		60.2	15-104			
4-Chloro-3-methylphenol	7.09	1	ug/l	10.0		70.9	21-138			
2-Chlorophenol	6.36	5	ug/l	10.0		63.6	13-118			
1,4-Dichlorobenzene	4.04	1	ug/l	10.0		40.4	13-97			
2,4-Dinitrotoluene	7.09	5	ug/l	10.0		70.9	10-107			
4-Nitrophenol	3.98	5	ug/l	10.0		39.8	2-99			J
N-Nitrosodi-n-propylamine	6.52	5	ug/l	10.0		65.2	7-118			
Pentachlorophenol	7.36	5	ug/l	10.0		73.6	1-170			

*Richy Jena*  
Approved By

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**Report To:** MOORE TWINING ASSOCIATES, INC.  
2527 FRESNO STREET  
FRESNO, CA 93721  
**Attention:** ANDREA SERUNTINE  
**Project:** GENERAL TESTING 7G12016

**Lab No:** 7070495  
**Reported:** 07/25/07  
**Phone:** (559) 268-7021  
**P.O. #**

### Quality Control Data

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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#### Semi Volatile Organic Compounds

##### Batch B7G0349 - EPA 3510C

Phenol	3.03	1	ug/l	10.0		30.3	15-99			
Pyrene	6.61	5	ug/l	10.0		66.1	35-180			
1,2,4-Trichlorobenzene	4.23	2	ug/l	10.0		42.3	21-105			
Surrogate: 2-Fluorophenol	8.50		ug/l	20.0		42.5	30.2-82.4			
Surrogate: Phenol-d5	5.70		ug/l	20.0		28.5	21.3-60.2			
Surrogate: 2,4,6-Tribromophenol	14.8		ug/l	20.0		74.0	62.5-132			
Surrogate: Nitrobenzene-d5	6.05		ug/l	10.0		60.5	48.3-126			
Surrogate: 2-Fluorobiphenyl	5.04		ug/l	10.0		50.4	49.2-116			
Surrogate: Terphenyl-d14	6.08		ug/l	10.0		60.8	52.1-125			

##### LCS Dup

Acenaphthene	6.41	1	ug/l	10.0		64.1	15-104	6.28	20	
4-Chloro-3-methylphenol	7.36	1	ug/l	10.0		73.6	21-138	3.74	20	
2-Chlorophenol	6.52	5	ug/l	10.0		65.2	13-118	2.48	20	
1,4-Dichlorobenzene	4.18	1	ug/l	10.0		41.8	13-97	3.41	20	
2,4-Dinitrotoluene	6.99	5	ug/l	10.0		69.9	10-107	1.42	20	
4-Nitrophenol	3.18	5	ug/l	10.0		31.8	2-99	22.3	20	QR-05
N-Nitrosodi-n-propylamine	6.72	5	ug/l	10.0		67.2	7-118	3.02	20	
Pentachlorophenol	7.17	5	ug/l	10.0		71.7	1-170	2.62	20	
Phenol	3.09	1	ug/l	10.0		30.9	15-99	1.96	20	
Pyrene	7.65	5	ug/l	10.0		76.5	35-180	14.6	20	
1,2,4-Trichlorobenzene	4.60	2	ug/l	10.0		46.0	21-105	8.38	20	
Surrogate: 2-Fluorophenol	9.02		ug/l	20.0		45.1	30.2-82.4			
Surrogate: Phenol-d5	5.89		ug/l	20.0		29.4	21.3-60.2			
Surrogate: 2,4,6-Tribromophenol	14.8		ug/l	20.0		74.0	62.5-132			
Surrogate: Nitrobenzene-d5	6.13		ug/l	10.0		61.3	48.3-126			
Surrogate: 2-Fluorobiphenyl	5.24		ug/l	10.0		52.4	49.2-116			
Surrogate: Terphenyl-d14	6.81		ug/l	10.0		68.1	52.1-125			

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*Ricky Jensen*  
Approved By

Basic Laboratory, Inc.  
California D.O.H.S. Cert #1677





California ELAP Certificate #1371

2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 30, 2007

Work Order #: 7G12014

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/12/07 . For your reference, these analyses have been assigned laboratory work order number 7G12014.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

AUG 3 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/30/07
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### Analytical Report for Work Order 7G12014

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Raw Wastewater</b>			Sampled:07/11/07 10:00		<b>7G12014-01 (Waste Water)</b>			
Total Suspended Solids	ND	200	mg/L	50	T7G1805	07/18/07	07/19/07	EPA 160.2
Total Settleable Solids	7.0	0.10	mL/L/Hr	1	T7G1305	07/13/07	07/13/07	EPA 160.5
Biochemical Oxygen Demand	210	* 30	mg/L	30	T7G1304	07/13/07	07/18/07	SM5210B/EPA 405.1
<b>Final Effluent</b>			Sampled:07/11/07 16:30		<b>7G12014-02 (Waste Water)</b>			
Total Suspended Solids	ND	10	mg/L	2.5	T7G1805	07/18/07	07/19/07	EPA 160.2
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G1305	07/13/07	07/13/07	EPA 160.5
Biochemical Oxygen Demand	2.4	* 1.0	mg/L	1	T7G1304	07/13/07	07/18/07	SM5210B/EPA 405.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/11/07 11:40		<b>7G12014-03 (Surface Water)</b>			
Turbidity	2.4	0.020	NTU	1	T7G1604	07/13/07	07/13/07	EPA 180.1
Nitrate as Nitrogen	ND	0.45	mg/L	1	[CALC]	07/13/07	07/13/07	EPA 300.0
Nitrate as NO3	ND	2.0	mg/L	1	T7G1301	07/13/07	07/13/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G1702	07/17/07	07/18/07	EPA 350.1
Total Kjeldahl Nitrogen	ND	1.0	mg/L	1	T7G1802	07/18/07	07/19/07	EPA 351.2
Phosphorus	ND	0.10	mg/L	1	T7G1802	07/18/07	07/19/07	EPA 365.4
<b>Tertiary Effluent Station R2</b>			Sampled:07/11/07 11:45		<b>7G12014-04 (Surface Water)</b>			
Turbidity	1.9	0.020	NTU	1	T7G1604	07/13/07	07/13/07	EPA 180.1
Nitrate as Nitrogen	ND	0.45	mg/L	1	[CALC]	07/13/07	07/13/07	EPA 300.0
Nitrate as NO3	ND	2.0	mg/L	1	T7G1301	07/13/07	07/13/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G1702	07/17/07	07/18/07	EPA 350.1
Total Kjeldahl Nitrogen	ND	1.0	mg/L	1	T7G1802	07/18/07	07/19/07	EPA 351.2
Phosphorus	ND	0.10	mg/L	1	T7G1802	07/18/07	07/19/07	EPA 365.4

#### Notes and Definitions

- \* BOD results may have low bias due to low recovery in QC samples.
- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

AUG 3 2007

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.



California ELAP Certificate #1371

2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 18, 2007

Work Order #: 7G13015

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/13/07 . For your reference, these analyses have been assigned laboratory work order number 7G13015.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

JUL 31 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/18/07
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### Analytical Report for Work Order 7G13015

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent Station R1</b>			Sampled:07/13/07 09:00		<b>7G13015-01 (Surface Water)</b>			
Specific Conductance (EC)	31	1.0	µS/cm	1	T7G1605	07/13/07	07/13/07	EPA 120.1
<b>Tertiary Effluent Station R2</b>			Sampled:07/13/07 09:10		<b>7G13015-02 (Surface Water)</b>			
Specific Conductance (EC)	43	1.0	µS/cm	1	T7G1605	07/13/07	07/13/07	EPA 120.1

#### Notes and Definitions

- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

JUL 31 2007

Moore Twining Associates, Inc.  
 Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.*



Laboratory Work Order #: 7G13014

2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

<b>Malaga County Water District</b> 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	<b>Report Date:</b> 07/18/2007
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**Analytical Report for Microbiologicals**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Tertiary Effluent</b>						Laboratory ID#: 7G13014-01 (Waste Water)			
<i>Date Sampled: 7/13/07 8:50</i>		<i>Sampled By: Tony Morales</i>				<i>Date Received: 7/13/07 13:38</i>			
Total Coliforms	<2	2.0	MPN/100 mL	1	T7G1310	07/13/07	07/15/07	SM9221B/E/F	
<b>Tertiary Effluent Station R1</b>						Laboratory ID#: 7G13014-02 (Surface Water)			
<i>Date Sampled: 7/13/07 9:00</i>		<i>Sampled By: Tony Morales</i>				<i>Date Received: 7/13/07 13:38</i>			
Fecal Coliforms	500	2.0	MPN/100 mL	1	T7G1310	07/13/07	07/16/07	SM9221B/E/F	
<b>Tertiary Effluent Station R2</b>						Laboratory ID#: 7G13014-03 (Surface Water)			
<i>Date Sampled: 7/13/07 9:10</i>		<i>Sampled By: Tony Morales</i>				<i>Date Received: 7/13/07 13:38</i>			
Fecal Coliforms	900	2.0	MPN/100 mL	1	T7G1310	07/13/07	07/15/07	SM9221B/E/F	

JUL 31 2007

**Notes and Definitions**

_3x5	< 2	MPN	Most Probable Number	mg/L	milligrams/Liter (ppm)
ND	Analyte NOT DETECTED at or above the reporting limit	CFU	Colony Forming Units	ug/L	micrograms/Liter (ppb)
NR	Not Reported				

Moore Twining Associates, Inc.

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California ELAP Certificate #1371

2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 24, 2007

Work Order #: 7G17012

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/17/07 . For your reference, these analyses have been assigned laboratory work order number 7G17012.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

A handwritten signature in black ink, appearing to read 'R. Boquist', is written over the name of the signatory.

Ronald J. Boquist  
Director of Analytical Chemistry

AUG - 3 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/24/07
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### Analytical Report for Work Order 7G17012

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>				Sampled:07/16/07 13:00		<b>7G17012-01 (Waste Water)</b>		
Turbidity	1.1	0.020	NTU	1	T7G1813	07/18/07	07/18/07	EPA 180.1
<b>Tertiary Eff. Station R1</b>				Sampled:07/16/07 11:30		<b>7G17012-02 (Surface Water)</b>		
Turbidity	1.0	0.020	NTU	1	T7G1813	07/18/07	07/18/07	EPA 180.1
<b>Tertiary Eff. Station R2</b>				Sampled:07/16/07 11:35		<b>7G17012-03 (Surface Water)</b>		
Turbidity	1.1	0.020	NTU	1	T7G1813	07/18/07	07/18/07	EPA 180.1

#### Notes and Definitions

- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

AUG - 3 2007

Moore Twining Associates, Inc.  
 Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

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California ELAP Certificate #1371

2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 24, 2007

Work Order #: 7G18009

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/18/07 . For your reference, these analyses have been assigned laboratory work order number 7G18009.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

AUG - 3 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/24/07
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### Analytical Report for Work Order 7G18009

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Effluent</b>			Sampled:07/18/07 08:00		<b>7G18009-01 (Waste Water)</b>			
Specific Conductance (EC)	720	1.0	µS/cm	1	T7G1906	07/18/07	07/18/07	EPA 120.1
<b>Tertiary Effluent</b>			Sampled:07/18/07 08:00		<b>7G18009-02 (Waste Water)</b>			
Specific Conductance (EC)	730	1.0	µS/cm	1	T7G1906	07/18/07	07/18/07	EPA 120.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/18/07 10:35		<b>7G18009-03 (Surface Water)</b>			
Specific Conductance (EC)	25	1.0	µS/cm	1	T7G1906	07/18/07	07/18/07	EPA 120.1
<b>Tertiary Effluent Station R2</b>			Sampled:07/18/07 10:40		<b>7G18009-04 (Surface Water)</b>			
Specific Conductance (EC)	27	1.0	µS/cm	1	T7G1906	07/18/07	07/18/07	EPA 120.1

### Notes and Definitions

- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

AUG - 3 2007

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

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2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 26, 2007

Work Order #: 7G18008

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/18/07 . For your reference, these analyses have been assigned laboratory work order number 7G18008.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry

AUG - 3 2007



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/26/07
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### Analytical Report for Work Order 7G18008

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>				Sampled:07/18/07 09:20		<b>7G18008-01 (Waste Water)</b>		
Nitrate as Nitrogen	11	0.90	mg/L	2	[CALC]	07/23/07	07/18/07	[CALC]
Nitrite as Nitrogen	1.3	0.61	mg/L	2	[CALC]	07/23/07	07/18/07	[CALC]
Total Nitrogen	15	2.5	mg/L	2	[CALC]	07/23/07	07/24/07	[CALC]
Total Suspended Solids	5.4	4.0	mg/L	1	T7G2007	07/20/07	07/23/07	EPA 160.2
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G1912	07/19/07	07/19/07	EPA 160.5
Nitrite as NO2	4.1	2.0	mg/L	2	T7G1801	07/18/07	07/18/07	EPA 300.0
Nitrate as NO3	50	4.0	mg/L	2	T7G1801	07/18/07	07/18/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G2305	07/23/07	07/24/07	EPA 350.1
Total Kjeldahl Nitrogen	2.6	1.0	mg/L	1	T7G2304	07/23/07	07/24/07	EPA 351.2
Phosphorus	3.4	0.10	mg/L	1	T7G2304	07/23/07	07/24/07	EPA 365.4
Biochemical Oxygen Demand	ND	1.0	mg/L	1	T7G1911	07/19/07	07/24/07	SM5210B/EPA 405.1
<b>Tertiary Effluent Station R-1</b>				Sampled:07/18/07 10:35		<b>7G18008-02 (Surface Water)</b>		
Nitrate as Nitrogen	ND	0.45	mg/L	1	[CALC]	07/18/07	07/18/07	EPA 300.0
Nitrate as NO3	ND	2.0	mg/L	1	T7G1801	07/18/07	07/18/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G2305	07/23/07	07/24/07	EPA 350.1
Total Kjeldahl Nitrogen	ND	1.0	mg/L	1	T7G2304	07/23/07	07/24/07	EPA 351.2
Phosphorus	ND	0.10	mg/L	1	T7G2304	07/23/07	07/24/07	EPA 365.4
<b>Tertiary Effluent Station R-2</b>				Sampled:07/18/07 10:40		<b>7G18008-03 (Surface Water)</b>		
Nitrate as Nitrogen	ND	0.45	mg/L	1	[CALC]	07/18/07	07/18/07	EPA 300.0
Nitrate as NO3	ND	2.0	mg/L	1	T7G1801	07/18/07	07/18/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G2305	07/23/07	07/24/07	EPA 350.1
Total Kjeldahl Nitrogen	ND	1.0	mg/L	1	T7G2304	07/23/07	07/24/07	EPA 351.2
Phosphorus	0.10	0.10	mg/L	1	T7G2304	07/23/07	07/24/07	EPA 365.4

AUG - 3 2007

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 James H. Brownfield, Quality Assurance Manager

The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.



California ELAP Certificate #1371

2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

August 03, 2007

Work Order #: 7G19017

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/19/07 . For your reference, these analyses have been assigned laboratory work order number 7G19017.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry



2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 8/3/07
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### Analytical Report for Work Order 7G19017

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Raw Wastewater</b>			Sampled:07/18/07 13:00		<b>7G19017-01 (Waste Water)</b>				
Total Suspended Solids	250	4.0	mg/L	1	T7G2403	07/24/07	07/26/07	EPA 160.2	
Total Settleable Solids	9.6	0.10	mL/L/Hr	1	T7G2023	07/20/07	07/20/07	EPA 160.5	
Biochemical Oxygen Demand	100	*	30	mg/L	30	T7G2015	07/20/07	07/26/07	SM5210B/EPA 405.1
<b>Final Effluent</b>			Sampled:07/18/07 17:00		<b>7G19017-02 (Waste Water)</b>				
Total Suspended Solids	ND	4.0	mg/L	1	T7G2403	07/24/07	07/26/07	EPA 160.2	
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G2023	07/20/07	07/20/07	EPA 160.5	
Biochemical Oxygen Demand	3.8	*	1.0	mg/L	1	T7G2015	07/20/07	07/26/07	SM5210B/EPA 405.1

### Notes and Definitions

- \* Sample results for BOD may have a low bias due to failure of QC Blank Spikes.
- ug/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference



Laboratory Work Order #: 7G20008

2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

Malaga County Water District  
 3580 S. Frank  
 Fresno CA, 93725

Project: Malaga Sewer Plant  
 Project Number: Analytical Services  
 Project Manager: Tony Morales

Report Date:  
 07/26/2007

**Analytical Report for Microbiologicals**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b> <span style="float: right;">Laboratory ID#: 7G20008-01 (Waste Water)</span>								
<i>Date Sampled: 7/20/07 8:30</i>			<i>Sampled By: Tony Morales</i>			<i>Date Received: 7/20/07 13:25</i>		
Total Coliforms	<2	2.0	MPN/100 mL	1	T7G2022	07/20/07	07/22/07	SM9221B/E/F
<b>Tertiary Effluent Station R1</b> <span style="float: right;">Laboratory ID#: 7G20008-02 (Surface Water)</span>								
<i>Date Sampled: 7/20/07 8:35</i>			<i>Sampled By: Tony Morales</i>			<i>Date Received: 7/20/07 13:25</i>		
Fecal Coliforms	500	2.0	MPN/100 mL	1	T7G2022	07/20/07	07/23/07	SM9221B/E/F
<b>Tertiary Effluent Station R2</b> <span style="float: right;">Laboratory ID#: 7G20008-03 (Surface Water)</span>								
<i>Date Sampled: 7/20/07 8:40</i>			<i>Sampled By: Tony Morales</i>			<i>Date Received: 7/20/07 13:25</i>		
Fecal Coliforms	70	2.0	MPN/100 mL	1	T7G2022	07/20/07	07/23/07	SM9221B/E/F

AUG 3 2007

**Notes and Definitions**

\_3x5 <2

ND Analyte NOT DETECTED at or above the reporting limit

MPN Most Probable Number

mg/L milligrams/Liter (ppm)

NR Not Reported

CFU Colony Forming Units

ug/L micrograms/Liter (ppb)

Moore Twining Associates, Inc.

Ronald J. Boquist Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

James H. Brownfield Quality Assurance Manager



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 27, 2007

Work Order #: 7G25008

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/25/07 . For your reference, these analyses have been assigned laboratory work order number 7G25008.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/27/07
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**Analytical Report for Work Order 7G25008**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Effluent</b>			Sampled:07/25/07 08:00			<b>7G25008-01 (Waste Water)</b>		
Specific Conductance (EC)	660	1.0	µS/cm	1	T7G2514	07/25/07	07/25/07	EPA 120.1
<b>Tertiary Effluent</b>			Sampled:07/25/07 08:00			<b>7G25008-02 (Waste Water)</b>		
Specific Conductance (EC)	740	1.0	µS/cm	1	T7G2514	07/25/07	07/25/07	EPA 120.1

**Notes and Definitions**

- ug/l. micrograms per liter (parts per billion concentration units)
- mg/l. milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Moore Twining Associates, Inc.  
Ronald J. Boquist, Director of Analytical Chemistry  
James H. Brownfield, Quality Assurance Manager

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Laboratory Work Order #: 7G27011

2527 Fresno Street  
 Fresno, CA 93721  
 (559) 268-7021 Phone  
 (559) 268-0740 Fax

<b>Malaga County Water District</b> 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Report Date: 07/31/2007
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**Analytical Report for Microbiologicals**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Tertiary Effluent</b>						Laboratory ID#: 7G27011-01 (Waste Water)			
<i>Date Sampled: 7/27/07 10:45</i>		<i>Sampled By: Tony Morales</i>		<i>Date Received: 7/27/07 13:30</i>					
Total Coliforms	< 2	2.0	MPN/100 mL	1	T7G2714	07/27/07	07/29/07	SM9221B/E/F	
<b>Tertiary Effluent Station R1</b>						Laboratory ID#: 7G27011-02 (Surface Water)			
<i>Date Sampled: 7/27/07 8:45</i>		<i>Sampled By: Tony Morales</i>		<i>Date Received: 7/27/07 13:30</i>					
Fecal Coliforms	900	2.0	MPN/100 mL	1	T7G2714	07/27/07	07/29/07	SM9221B/E/F	
<b>Tertiary Effluent Station R2</b>						Laboratory ID#: 7G27011-03 (Surface Water)			
<i>Date Sampled: 7/27/07 9:00</i>		<i>Sampled By: Tony Morales</i>		<i>Date Received: 7/27/07 13:30</i>					
Fecal Coliforms	130	2.0	MPN/100 mL	1	T7G2714	07/27/07	07/29/07	SM9221B/E/F	

**Notes and Definitions**

3x5	< 2			
ND	Analyte NOT DETECTED at or above the reporting limit	MPN	Most Probable Number	mg/L milligrams/Liter (ppm)
NR	Not Reported	CFU	Colony Forming Units	ug/l. micrograms/Liter (ppb)

Moore Twining Associates, Inc.

Ronald J. Boquist Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

James H. Brownfield Quality Assurance Manager



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

July 27, 2007

Work Order #: 7G25009

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/25/07 . For your reference, these analyses have been assigned laboratory work order number 7G25009.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 7/27/07
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### Analytical Report for Work Order 7G25009

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>			Sampled:07/24/07 13:30		<b>7G25009-01 (Waste Water)</b>			
Turbidity	1.0	0.020	NTU	1	T7G2513	07/25/07	07/25/07	EPA 180.1
<b>Tertiary Effluent Station R1</b>			Sampled:07/24/07 13:40		<b>7G25009-02 (Surface Water)</b>			
Turbidity	1.4	0.020	NTU	1	T7G2513	07/25/07	07/25/07	EPA 180.1
<b>Tertiary Effluent Station R2</b>			Sampled:07/24/07 13:45		<b>7G25009-03 (Surface Water)</b>			
Turbidity	1.4	0.020	NTU	1	T7G2513	07/25/07	07/25/07	EPA 180.1

#### Notes and Definitions

ug/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
James H. Brownfield, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.*



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August 03, 2007

Work Order #: 7G25010

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/25/07 . For your reference, these analyses have been assigned laboratory work order number 7G25010.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry



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Fresno, CA 93721  
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(559) 268-0740 Fax

Malaga County Water District  
3580 S. Frank  
Fresno CA, 93725

Project: Malaga Sewer Plant  
Project Number: Analytical Services  
Project Manager: Tony Morales

Reported:  
8/3/07

### Analytical Report for Work Order 7G25010

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>			Sampled:07/24/07 13:50		<b>7G25010-01 (Waste Water)</b>			
Nitrate as Nitrogen	5.9	2.3	mg/L	5	[CALC]	07/31/07	07/26/07	[CALC]
Nitrite as Nitrogen	ND	1.5	mg/L	5	[CALC]	07/31/07	07/26/07	[CALC]
Total Nitrogen	7.7	4.8	mg/L	5	[CALC]	07/31/07	08/01/07	[CALC]
Total Suspended Solids	ND	4.0	mg/L	1	T7G2602	07/26/07	07/27/07	EPA 160.2
Total Settleable Solids	ND	0.10	mL/L/Hr	1	T7G2608	07/26/07	07/26/07	EPA 160.5
Nitrite as NO <sub>2</sub>	ND	5.0	mg/L	5	T7G2402	07/25/07	07/26/07	EPA 300.0
Nitrate as NO <sub>3</sub>	26	10	mg/L	5	T7G2402	07/25/07	07/26/07	EPA 300.0
Ammonia as N	ND	1.0	mg/L	1	T7G3107	07/31/07	08/01/07	EPA 350.1
Total Kjeldahl Nitrogen	1.9	1.0	mg/L	1	T7G3103	07/31/07	08/01/07	EPA 351.2
Phosphorus	2.6	0.10	mg/L	1	T7G3103	07/31/07	08/02/07	EPA 365.4
Biochemical Oxygen Demand	3.0	1.0	mg/L	1	T7G2607	07/26/07	07/31/07	SMS210B/EPA 405.1

### Notes and Definitions

RPD	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
NH	QC Criteria out of range due to non-homogeneous sample matrix.
ug/L	micrograms per liter (parts per billion concentration units)
mg/L	milligrams per liter (parts per million concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
James H. Brownfield, Quality Assurance Manager

*The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.*



2527 Fresno Street  
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August 08, 2007

Work Order #: 7G26015

Tony Morales  
Malaga County Water District  
3580 S. Frank  
Fresno, CA 93725

RE: Malaga Sewer Plant

Enclosed are the analytical results for samples received by our laboratory on 07/26/07 . For your reference, these analyses have been assigned laboratory work order number 7G26015.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

**Moore Twining Associates, Inc.**

Ronald J. Boquist  
Director of Analytical Chemistry