

# **EXHIBIT 32**

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

MONITORING REPORT REVIEW

Attention: Mr. Dale Harvey, Senior Engineer

Engineer AL

Subject: Malaga County Water District  
WDR No. 2008-0033 NPDES CA0084239  
Telephone Number 559-485-7353

Compliance Yes  no

Date Reviewed 11/18/09

*JKW*  
*4/19/2010*  
*MMPS+*

Dear Mr. Harvey:

Please find attached the monthly operations report for the Malaga County Water District for the month of August / Year 2009. The report includes the following subjects:

- 1) Influent Monitoring and Secondary Effluent Monitoring (monthly report)
- 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) Water Supply Monitoring (monthly)
- 6) Supporting Laboratory Documentation Attached 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.

*Jorey Morales*  
Malaga Wastewater Treatment Plant Operator

9-30-09  
Date

OCT 01 2009

MONTH: AUGUST

YEAR: 2009

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. 2008-0033  
 NPDES NO. CA 0084239  
 INFLUENT & SECONDARY EFFLUENT MONITORING MONTHLY REPORT

DATE	DAY	INFLUENT CONSTITUENT					SECONDARY EFFLUENT CONSTITUENT												
		Parshall Flume Flow MGD	Recirculated Grit Flow MGD	TOTAL FLOW (calc.) MGD	BOD mg/L Weekly	MDL	TSS mg/L Weekly	MDL	FLOW MGD (Q)	EC umhos/cm	BOD mg/L 40'	MDL	BOD lb/d (calc.) +0.264	TSS mg/L 40'	MDL	TSS lb/d (calc.) +0.264	SS m/L AVE <sup>3</sup>	MDL	
1	sat	0.96	0.195	0.77				0.338	780										
2	sun	0.77	0.184	0.59				0.161	770										
3	m	0.84	0.199	0.64				0.192	740										
4	tu	0.99	0.195	0.80				0.401	720										
5	w	1.09	0.193	0.90				0.478	720										
6	th	1.05	0.214	0.84				0.432	780	1									
7	f	0.96	0.203	0.76				0.412	780										
8	sat	0.69	0.19	0.50				0.060	720										
9	sun	0.83	0.183	0.65				0.228	710										
10	m	0.7	0.2	0.50				0.108	680										
11	tu	0.67	0.13	0.54				0.155	660										
12	w	0.71	0.11	0.60	130			0.208	660	1									
13	th	0.73	0.22	0.51				0.081	670										
14	f	0.67	0.114	0.56				0.113	690										
15	sat	0.87	0.167	0.70				0.260	700										
16	sun	1.01	0.23	0.78				0.380	680										
17	m	1.14	0.195	1.01				0.570	710										
18	tu	1.14	0.128	0.97	55			0.520	790	1									
19	w	1.08	0.22	0.86				0.410	780										
20	th	1.1	0.222	0.88				0.440	750										
21	f	1.11	0.237	0.87				0.420	790										
22	sat	1.04	0.211	0.83				0.400	740										
23	sun	1.08	0.224	0.86				0.430	700										
24	m	1.08	0.222	0.86				0.440	700										
25	tu	1.06	0.213	0.85				0.512	760										
26	w	1.07	0.196	0.87				0.527	740										
27	th	1.03	0.201	0.83	42			0.487	710	1									
28	f	1.02	0.21	0.81				0.467	760										
29	sat	0.98	0.209	0.77				0.420	770										
30	sun	1.02	0.2	0.82				0.466	740										
31	m	0.83	0.195	0.64				0.291	730										
TOTAL		29.28	5.95	23.33	265			10.83	778										
AVE		0.94	0.19	0.75	66			0.35	778	1.0									
DAILY																			
MAX		1.14	0.24	1.01	130			0.570	790	1.0									
MEAN																			

Submitted by: *Jenny Meadows* 9-30-09

1. Ec MCL is source water + 500 or 1000, whichever is lower.
2. BOD & TSS MCL is 40 mg/L average monthly. Daily maximum is 80 mg/L.
3. Settleable Solids MCL is 0.2 m/L average monthly. Daily maximum is 1.0 m/L.
4. Values less than the Reporting Limit and greater than the Method Detection Limit shall be reported as DNC.
5. Values less than the MDL shall be reported as ND.
- 6 Flowrate to Secondary Effluent is the difference between influent flow measurements and the flowrate discharged to M-001.
7. Quarterly tests in January, April, July, October.

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. 2008-0033  
 WATER SUPPLY MONITORING

YEAR 2009

WELL NO. 1 DELIVERY (GAL) NO3-N (mg/l) EC (umhos/cm) Minerals (see attached)	Date Sampled	QUARTER												TOTAL	ANNUAL TOTAL
		1/13/2009	2/11/2009	3/12/2009	TOTAL	4/30/2009	5/19/2009	6/11/2009	TOTAL	JUL	AUG	SEPT	QUARTER TOTAL		
	4,489,000	13,919,000	16,566,000	64,964,000	18,493,000	21,547,000	26,813,000	66,853,000	22,893,000	25,573,000		48,608,000			0
	23	19	20	64	19	19	18	66	18	19		48			0
	460	410	400	1,680	400	390	380	1,560	380	400		1,560			0
WELL NO. 3 DELIVERY (GAL) NO3-N (mg/l) EC (umhos/cm) Minerals (see attached)	NOT ACTIVE			0				0				0			0
WELL NO. 4 DELIVERY (GAL) NO3-N (mg/l) EC (umhos/cm) Minerals (see attached)	NOT ACTIVE			0				0				0			0
WELL NO. 5 DELIVERY (GAL) NO3-N (mg/l) EC (umhos/cm) Minerals (see attached)	NOT ACTIVE			0				0				0			0
WELL NO. 6 DELIVERY (GAL) NO3-N (mg/l) EC (umhos/cm) Minerals (see attached)	14,478,000	4,738,000	4,481,000	23,707,000	3,609,000	7,798,000	11,295,000	22,642,000	13,243,000	11,442,000		24,985,000			0
	14	13	13	43	13	12	12	47	14	14		47			0
	330	330	310	1,280	310	310	280	1,210	320	340		1,280			0
WELL NO. 7 DELIVERY (GAL) NO3-N (mg/l) EC (umhos/cm) Minerals (see attached)	17,703,000	16,536,000	20,708,000	54,947,000	20,147,000	24,670,000	23,828,000	68,643,000	36,458,000	28,634,000		64,992,000			0
	9.8	10	10	29.8	11	10	9.7	29.5	10	10		29.5			0
	270	290	270	1,030	270	270	280	1,020	280	280		1,040			0
WEIGHTED AVERAGE NO3-N (mg/l) EC (umhos/cm)	13.07 316.95	13.96 342.85	14.29 325.89	13.73 303.27	14.67 330.32	13.88 323.66	13.73 303.27	13.73 303.27	13.57 318.67	14.21 341.64	#DIV/0! #DIV/0!	13.8 318.3	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!

Submitted by: Tommy Johnson Date: 9-30-09

NOTES:  
 SAMPLES FOR EC AND NO3-N ARE TAKEN MONTHLY.  
 SAMPLES FOR MINERALS ARE TAKEN ANNUALLY.  
 WELL NO. 2 DOES NOT EXIST

MALAGA  
WASTEWATER TREATMENT PLANT  
MONITORING AND REPORTING PROGRAM NO. R5-2008-0033  
NPDES NO. CA0084239  
EVAPORATION /PERCOLATION POND MONITORING MONTHLY REPORT

Aug-09	POND 1	POND 2	POND 3	POND 4	POND 5	POND 6	POND 7	POND 8
WEEK 1 (Date)	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009
Sample Time	8:am	8:am	not in use	not in use	8:am	8:am	8:am	8:am
DO, mg/l	6.2	6.2			8	5.6	4.4	6.2
Freeboard, ft	3.5	3.75			3.66	3.83	3.66	3.58
Weeds (Y, N) Locations	N	N			N	N	N	N
Surface Material (Y, N) Locations	N	N			N	N	N	N
Burrowing Animals (Y, N)	N	N			N	N	N	N
Insects (Y, N)	N	N			N	N	N	N
Color	light green	clear			light green	light green	light green	light green
WEEK 2 (Date)	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009	8/13/2009
Sample Time	8:am	8:am	not in use	not in use	8:am	8:am	8:am	8:am
DO, mg/l	7.3	6.5			9.4	6.3	5.8	4.5
Freeboard, ft	4	3			4	4.25	4	4.08
Weeds (Y, N) Locations	N	N			N	N	N	N
Surface Material (Y, N) Locations	N	N			N	N	N	N
Burrowing Animals (Y, N)	N	N			N	N	N	N
Insects (Y, N)	N	N			N	N	N	N
Color	light green	light green			light green	light green	light green	clear
WEEK 3 (Date)	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009	8/21/2009
Sample Time	7:30am	7:30am	not in use	not in use	7:30am	7:30am	7:30am	7:30am
DO, mg/l	7.5	0.8			8.5	7.9	5.8	5.7
Freeboard, ft	4.25	3.91			4.08	4.25	4.25	4.08
Weeds (Y, N) Locations	N	N			N	N	N	N
Surface Material (Y, N) Locations	N	N			N	N	N	N
Burrowing Animals (Y, N)	N	N			N	N	N	N
Insects (Y, N)	N	N			N	N	N	N
Color	light green	clear			light green	light green	light green	clear
WEEK 4 (Date)	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009	8/28/2009
Sample Time	7:20am	7:20am	not in use	not in use	7:20am	7:20am	7:20am	7:20am
DO, mg/l	9.8	3.5			14.7	8.2	9.3	2.2
Freeboard, ft	4.33	4			4.16	4.25	4.16	4.08
Weeds (Y, N) Locations	N	N			N	N	N	N
Surface Material (Y, N) Locations	N	N			N	N	N	N
Burrowing Animals (Y, N)	N	N			N	N	N	N
Insects (Y, N)	N	N			N	N	N	N
Color	light green	clear			light green	light green	light green	clear
WEEK 5 (Date)								
Sample Time								
DO, mg/l								
Freeboard, ft								
Weeds (Y, N) Locations								
Surface Material (Y, N) Locations								
Burrowing Animals (Y, N)								
Insects (Y, N)								
Color								

Submitted by Jerry Morales Date: 9-30-09

NOTE: Y=Yes  
N=No

Dissolved Oxygen samples to be taken at a depth of 1 foot, opposite the inlet, and between 0700 and 0900 hours.

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. 2008-0033  
 NPDES NO. CA 0084239  
 TERTIARY EFFLUENT MONITORING MONTHLY REPORT

MONTH: AUGUST Year: 2009

DATE	DAY	Daily										TERTIARY EFFLUENT					
		TOTAL FLOW MGD	MAX FLOW <sup>1</sup> MGD	pH	EC umhos/cm	MDL	TEMP deg F	TOTAL RESIDUAL CL mg/L <sup>2</sup>	SS mL/L	MDL	BOD mg/L <sup>3</sup>	MDL	BOD lbs/day	BOD Removal <sup>1</sup> %	TSS mg/L <sup>3</sup>	MDL	TSS lbs/day
1	sat	0.372	0.45	6.8	840	1	82	<0.01	ND	0.1	10	5	38	290%	10	5	38
2	sun	0.429		6.9	760		79	<0.01	ND								
3	m	0.448		7.1	710		81	<0.01	ND								
4	tu	0.399		7.0	700		78	<0.01	ND								
5	w	0.422		7.2	710		78	<0.01	ND		4.1		14.4	89.0%			
6	th	0.408		7.0	760		75	<0.01	ND								3
7	f	0.348		7.0	710		70	<0.01	ND								
8	sat	0.44		7.1	740		78	<0.01	ND								
9	sun	0.422		7.4	800		78	<0.01	ND								
10	m	0.392		7.1	660		81	<0.01	ND								
11	tu	0.385		7.0	700		82	<0.01	ND								3
12	w	0.392		7.0	1900		80	<0.01	ND		7		25.0	94.0%			
13	th	0.429		6.8	1700		80	<0.01	ND								
14	f	0.447		7.0	1800		79	<0.01	ND								
15	sat	0.44		6.9	830		78	<0.01	ND								
16	sun	0.4		6.9	740		78	<0.01	ND		1.6		6.0	97.0%	1		4
17	m	0.44		7.0	690		78	<0.01	ND								
18	tu	0.45		7.1	720		78	<0.01	ND								
19	w	0.45		7.0	750		78	<0.01	ND								
20	th	0.44		7.1	810		78	<0.01	ND								
21	f	0.45		6.9	840		81	<0.01	ND								
22	sat	0.43		7.2	780		81	<0.01	ND								
23	sun	0.43		6.9	760		80	<0.01	ND								
24	m	0.42		7.0	660		79	<0.01	ND								
25	tu	0.338		7.0	730		79	<0.01	ND								
26	w	0.343		6.9	730		80	<0.01	ND								
27	th	0.343		7.0	710		82	<0.01	ND		1		2.9	97.6%	1.8		5
28	f	0.343		7.1	760		78	ND	7.5								
29	sat	0.35		7.0	770		80	ND	ND								
30	sun	0.334		7.0	730		81	ND	ND								
31	m	0.349		6.9	720		81	ND	ND								
TOTAL		12.483															
AVE		0.4027		7.0	845		79	<0.01			3.4		12.1	94.4%	1.2		3.9
DAILY MAX		0.45		7.4	1900		82	<0.01		7.5	7		25.0	97percent	1.8		5.1
MEAN																	

Submitted by: *Jorge Morales* Date: *9-30-09*

NOTES:

- BOD Removal to be calculated using mean values.
- Chlorine residual must be monitored with a method sensitive to and accurate at the permitted level of 0.01 mg/L.
- Daily maximum 35 mg/L, Weekly average 15 mg/L.
- 2.2 MPN/100ml as 7 day median; Shall not exceed: 23 MPN/100 ml more than once in any month; 240 MPN/100 ml at any time
- Interim effluent limitations.

MONTH: AUGUST Year 2009

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO  
 NPDES NO. CA 0084239  
 TERTIARY EFFLUENT MONITORING MONTHLY

DATE	Nitrate lbs/day	Total Nitrogen mg/L	Aluminum (Al) mg/L	Boron (B) mg/L	Chloride (Cl) mg/L	Copper (Cu) mg/L	Cyanide (CN) mg/L	Monthly						Quarterly		Boron (B) mg/L		
								Fluoride (F) mg/L	Phosphorous Total (P) mg/L	Diazinon µg/L	Bromoform CHBr <sub>3</sub> µg/L	Chloroform monochloro- CHBr <sub>2</sub> Cl µg/L	Chloroform dibromo- CHBrCl <sub>2</sub> µg/L	Acute Whole Effluent Toxicity per 3 tests	Chronic Whole Effluent Toxicity per 3 tests		#DIV/0!	
1					175													
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17	41	N/A		0.05	0.18	50	0.022	5.9	1	ND	ND	19	61	36				
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
TOTAL																		
AVE	41		0.05	0.18	50	0.022	5.9	1	ND	ND	19	61	36					#DIV/0!
DAILY MAX	41		0.05	0.18	50	0.022	5.9	1	ND	ND	19	61	36					
MEAN																		

**MONTH: Aug 2009**

DATE	TSS Removal <sup>1</sup>	Turbidity NTU	Total Coliform Organisms (TCO) MPN/100 ml <sup>4</sup>	MDL	Ammonia Nitrogen (NH <sub>3</sub> -N) mg/L <sup>5</sup>	pH at Sample Collection	Monthly		TDS mg/L	Nitrate NO <sub>3</sub> -N mg/L
							Ammonia lbs/day			
Discharge Limits	≥90%	2	2.2	2	1.3					
1										
2										
3										
4		1								
5										
6	99.2%		<2							
7										
8										
9										
10		1.8								
11	99.4%									
12			2							
13										
14										
15										
16										
17	98.0%				1	7	4	500	11	
18										
19		0.84								
20										
21			<2							
22										
23										
24										
25										
26										
27	98.5%									
28		1.2	170							
29										
30										
31										
TOTAL										
AVE	98.8%	1.21	86.00		1		4	500	11	
DAILY MAX	99percent	1.8	170		1		4	500	11	
MEAN										

MONTH: AUGUST Year: 2009

MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. 2008-0033  
 NPDES NO. CA 0084239  
 CENTRAL CANAL MONITORING REPORT

Canal Station R-2

DATE	DAY	TOTAL FLOW MGD	pH	EC umhos/cm	TEMP deg F	TOTAL RESIDUAL CL mg/L	DO mg/L	Turbidity NTU	Ammonia Nitrogen (NH <sub>3</sub> -N) mg/L	Ammonia Un-ionized (as N) mg/L	Nitrate NO <sub>3</sub> -N mg/L	TKN (as N) mg/L	Aluminum (Al) mg/L	Total (P) mg/L	Fecal Coliform (MPN/100 ml)	TDS mg/L	Sulfate (SO <sub>4</sub> ) mg/L	Potassium (K) mg/L	Calcium (Ca) mg/L	Magnesium (Mg) mg/L
1	sat	87.86	8.2	29	73	ND	45.0	<1	ND	ND	ND	ND	ND	ND	ND	130				
2	sun	91.79	8	35	68	ND														
3	m	87.93	7.8	30	69	ND														
4	tu	87.88	7.8	30	66	ND														
5	w	81.42	7.6	31	67	ND														
6	th	78.17	7.7	30	66	ND														
7	f	78.11	8.2	35	69	ND	8.7													
8	sat	71.72	7.8	32	66	ND														
9	sun	67.16	7.8	32	66	ND														
10	m	72.96	7.6	27	73	ND		1.2												
11	tu	66.48	7.8	35	75	ND														
12	w	63.88	8	37	72	ND														
13	th	68.62	8	32	72	ND														
14	f	65.25	7.5	35	70	ND														
15	sat	67.83	7.4	30	68	ND														
16	sun	67.78	7.8	31	69	ND														
17	m	67.18	7.8	34	69	ND														
18	tu	65.25	8	32	69	ND														
19	w	64.23	8.1	33	69	ND														
20	th	54.22	7.5	37	68	ND														
21	f	58.77	7.6	37	76	ND														
22	sat	56.16	7.7	39	70	ND														
23	sun	56.18	8	39	71	ND														
24	m	56.17	7.5	37	75	ND														
25	tu	54.77	7.5	39	71	ND														
26	w	54.77	7.2	38	77	ND														
27	th	46.98	7.7	40	77	ND														
28	f	45.7	7.6	36	73	ND														
29	sat	48.95	7.6	35	72	ND														
30	sun	50.87	7.7	40	73	ND														
31	m	56.07	7.7	36	76	ND														
TOTAL		2031	7.7	34	70	ND	8.7	1.55	ND	0.014	ND	ND	0.12	ND	130					
AVE		65.51	7.7	34	70	ND	8.7	1.55	ND	0.014	ND	ND	0.12	ND	130					
DAILY MAX		91.79	8.2	40	77	ND	8.7	1.9	ND	0.014	ND	ND	0.12	ND	130					
MEAN																				

Submitted by: Josy Morales Date: 9-30-09



MALAGA COUNTY WATER DISTRICT  
 WASTEWATER TREATMENT PLANT  
 MONITORING AND REPORTING PROGRAM NO. R6-2008-0033  
 NPDES NO. CA0084239

RECEIVING WATER CONDITIONS REPORT

August: 2009

WEEK 1 (Date)	R-1	R-2
Sample Time	8/7/2009 9:AM	8/7/2009 9:AM
Floating or suspended matter (Y,N)	N	N
Discoloration (Y,N)	N	N
Bottom deposits (Y,N)	N	N
Aquatic life (Y,N)	N	N
Visible films, sheens, coatings (Y,N)	N	N
Fungal, slimes, or objectionable growths (Y,N)	N	N
Potential nuisance conditions (Y,N)	N	N
WEEK 2 (Date)	8/13/2009	8/13/2009
Sample Time	11:am	11:am
Floating or suspended matter (Y,N)	N	N
Discoloration (Y,N)	N	N
Bottom deposits (Y,N)	N	N
Aquatic life (Y,N)	N	N
Visible films, sheens, coatings (Y,N)	N	N
Fungal, slimes, or objectionable growths (Y,N)	N	N
Potential nuisance conditions (Y,N)	N	N
WEEK 3 (Date)	8/21/09	8/21/2009
Sample Time	2:pm	2:pm
Floating or suspended matter (Y,N)	N	N
Discoloration (Y,N)	N	N
Bottom deposits (Y,N)	N	N
Aquatic life (Y,N)	N	N
Visible films, sheens, coatings (Y,N)	N	N
Fungal, slimes, or objectionable growths (Y,N)	N	N
Potential nuisance conditions (Y,N)	N	N
WEEK 4 (Date)	8/28/2009	8/28/2009
Sample Time	2:pm	9:am
Floating or suspended matter (Y,N)	N	N
Discoloration (Y,N)	N	N
Bottom deposits (Y,N)	N	N
Aquatic life (Y,N)	N	N
Visible films, sheens, coatings (Y,N)	N	N
Fungal, slimes, or objectionable growths (Y,N)	N	N
Potential nuisance conditions (Y,N)	N	N
WEEK 5 (Date)		
Sample Time		
Floating or suspended matter (Y,N)		
Discoloration (Y,N)		
Bottom deposits (Y,N)		
Aquatic life (Y,N)		
Visible films, sheens, coatings (Y,N)		
Fungal, slimes, or objectionable growths (Y,N)		
Potential nuisance conditions (Y,N)		

Submitted by: Jenny Morales Date: 9-30-09

NOTE: Y=Yes  
N=No



2527 Fresno Street  
Fresno, CA 93721  
(559) 268-7021 Phone  
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August 05, 2009

Work Order #: 9H03017

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 08/03/09 . For your reference, these analyses have been assigned laboratory work order number 9H03017.

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: 08/05/2009
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### Analytical Report for Work Order 9H03017

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Final Eff.</b>					Sampled: 08/01/09 08:00 9H03017-01 (Waste Water)						
Specific Conductance (EC)	HR	780	1.0		µS/cm	1	T9H0314	08/03/09	08/03/09	EPA 120.1	
<b>Tertiary Eff.</b>					Sampled: 08/01/09 08:00 9H03017-02 (Waste Water)						
Specific Conductance (EC)	HR	840	1.0		µS/cm	1	T9H0314	08/03/09	08/03/09	EPA 120.1	
Total Settlicable Solids		ND	0.10		mL/L/Hr	1	T9H0318	08/03/09	08/03/09	SM 2540F	
<b>Final Eff.</b>					Sampled: 08/02/09 08:05 9H03017-03 (Waste Water)						
Specific Conductance (EC)		770	1.0		µS/cm	1	T9H0314	08/03/09	08/03/09	EPA 120.1	
<b>Tertiary Eff.</b>					Sampled: 08/02/09 08:05 9H03017-04 (Waste Water)						
Specific Conductance (EC)		760	1.0		µS/cm	1	T9H0314	08/03/09	08/03/09	EPA 120.1	
Total Settlicable Solids		ND	0.10		mL/L/Hr	1	T9H0318	08/03/09	08/03/09	SM 2540F	
<b>Final Eff.</b>					Sampled: 08/03/09 11:10 9H03017-05 (Waste Water)						
Specific Conductance (EC)		740	1.0		µS/cm	1	T9H0314	08/03/09	08/03/09	EPA 120.1	
<b>Tertiary Eff.</b>					Sampled: 08/03/09 11:10 9H03017-06 (Waste Water)						
Specific Conductance (EC)		710	1.0		µS/cm	1	T9H0314	08/03/09	08/03/09	EPA 120.1	
Total Settlicable Solids		ND	0.10		mL/L/Hr	1	T9H0318	08/03/09	08/03/09	SM 2540F	

### Notes and Definitions

HR	This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
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  
Jim Brownfield, 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.



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August 14, 2009

Work Order #: 9H04013

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 08/04/09. For your reference, these analyses have been assigned laboratory work order number 9H04013.

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'.

Ronald J. Boquist  
Director of Analytical Chemistry



2527 Fresno Street  
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: 08/14/2009
---	---	-------------------------

### Analytical Report for Work Order 9H04013

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Final Eff</b>					Sampled: 08/04/09 08:25 9H04013-01 (Waste Water)						
Specific Conductance (EC)		720	1.0		µS/cm	1	T9H0403	08/04/09	08/04/09	EPA 120.1	
<b>Tertiary Eff</b>					Sampled: 08/04/09 08:25 9H04013-02 (Waste Water)						
Specific Conductance (EC)		700	1.0		µS/cm	1	T9H0403	08/04/09	08/04/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H0602	08/06/09	08/06/09	SM 2540F	
<b>Tertiary Eff</b>					Sampled: 08/03/09 16:00 9H04013-03 (Waste Water)						
Turbidity		1.0	0.020		NTU	1	T9H0509	08/05/09	08/05/09	EPA 180.1	

#### Notes and Definitions

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

Moore Twining Associates, Inc.

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

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August 25, 2009

Work Order #: 9H06005

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 08/06/09 . For your reference, these analyses have been assigned laboratory work order number 9H06005.

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

SEP 10 2009



2527 Fresno Street  
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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 08/25/2009
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### Analytical Report for Work Order 9H06005

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Raw Wastewater</b>										
Sampled: 08/06/09 09:00 9H06005-01 (Waste Water)										
Total Suspended Solids		120	4.0		mg/L	1	T9H1212	08/12/09	08/13/09	SM 2540D
Biochemical Oxygen Demand		38	30		mg/L	30	T9H0623	08/07/09	08/12/09	SM5210B
<b>Final Eff.</b>										
Sampled: 08/05/09 15:30 9H06005-02 (Waste Water)										
Total Suspended Solids		5.2	4.0		mg/L	1	T9H1212	08/12/09	08/13/09	SM 2540D
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H0707	08/07/09	08/07/09	SM 2540F
Biochemical Oxygen Demand		ND	1.0		mg/L	1	T9H0623	08/07/09	08/12/09	SM5210B
<b>Tertiary Eff.</b>										
Sampled: 08/05/09 15:30 9H06005-03 (Waste Water)										
Total Suspended Solids		ND	4.0		mg/L	1	T9H1212	08/12/09	08/13/09	SM 2540D
Biochemical Oxygen Demand		4.1	1.0		mg/L	1	T9H0623	08/07/09	08/12/09	SM5210B
<b>Tertiary Eff.</b>										
Sampled: 08/05/09 07:30 9H06005-04 (Waste Water)										
Specific Conductance (EC)		710	1.0		µS/cm	1	T9H0610	08/06/09	08/06/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H0707	08/07/09	08/07/09	SM 2540F
<b>Final Eff.</b>										
Sampled: 08/05/09 07:30 9H06005-05 (Waste Water)										
Specific Conductance (EC)		720	1.0		µS/cm	1	T9H0610	08/06/09	08/06/09	EPA 120.1
<b>Tertiary Eff.</b>										
Sampled: 08/06/09 07:15 9H06005-06 (Waste Water)										
Specific Conductance (EC)		760	1.0		µS/cm	1	T9H0610	08/06/09	08/06/09	EPA 120.1
Turbidity		1.3	0.020		NTU	1	T9H0609	08/06/09	08/06/09	EPA 180.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H0707	08/07/09	08/07/09	SM 2540F
<b>Final Eff.</b>										
Sampled: 08/06/09 07:15 9H06005-07 (Waste Water)										
Specific Conductance (EC)		790	1.0		µS/cm	1	T9H0610	08/06/09	08/06/09	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  
 Jim Brownfield, Quality Assurance Manager

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Laboratory Work Order #: 9H06006

2527 Fresno Street  
 Fresno, CA 93721  
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<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: 08/11/2009
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**Analytical Report for Microbiologicals**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Eff.</b>								
				Laboratory ID#: 9H06006-01 (Waste Water)				
<i>Date Sampled: 8/6/09 9:00</i>		<i>Sampled By: Frank Cruz</i>		<i>Date Received: 8/6/09 11:33</i>				
Total Coliforms	<2	2.0	MPN/100mL	1	T9H0620	08/06/09	08/08/09	SM9221B/E/F
<b>Tertiary Eff. Station R-1</b>								
				Laboratory ID#: 9H06006-02 (Surface Water)				
<i>Date Sampled: 8/6/09 9:10</i>		<i>Sampled By: Frank Cruz</i>		<i>Date Received: 8/6/09 11:33</i>				
Fecal Coliforms	130	2.0	MPN/100mL	1	T9H0620	08/06/09	08/09/09	SM9221B/E/F
<b>Tertiary Eff. Station R-2</b>								
				Laboratory ID#: 9H06006-03 (Surface Water)				
<i>Date Sampled: 8/6/09 9:15</i>		<i>Sampled By: Frank Cruz</i>		<i>Date Received: 8/6/09 11:33</i>				
Fecal Coliforms	130	2.0	MPN/100mL	1	T9H0620	08/06/09	08/09/09	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.

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Ronald J. Boquist Director of Analytical Chemistry

Jim Brownfield Quality Assurance Manager



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Fresno, CA 93721  
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August 14, 2009

Work Order #: 9H10023

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 08/10/09. For your reference, these analyses have been assigned laboratory work order number 9H10023.

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  
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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: 08/14/2009
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### Analytical Report for Work Order 9H10023

Analyte	Qual	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Eff</b> <span style="float: right;">Sampled: 08/07/09 14:30 9H10023-01 (Waste Water)</span>										
Specific Conductance (EC)	HR	780	1.0	1.0	µS/cm	1	T9H1004	08/10/09	08/10/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/07/09 14:30 9H10023-02 (Waste Water)</span>										
Specific Conductance (EC)	HR	710	1.0	1.0	µS/cm	1	T9H1004	08/10/09	08/10/09	EPA 120.1
Total Settleable Solids	HR	ND	0.10	0.10	mL/L/Hr	1	T9H1110	08/10/09	08/10/09	SM 2540F
<b>Final Eff</b> <span style="float: right;">Sampled: 08/08/09 08:00 9H10023-03 (Waste Water)</span>										
Specific Conductance (EC)	HR	720	1.0	1.0	µS/cm	1	T9H1004	08/10/09	08/10/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/08/09 08:00 9H10023-04 (Waste Water)</span>										
Specific Conductance (EC)	HR	740	1.0	1.0	µS/cm	1	T9H1004	08/10/09	08/10/09	EPA 120.1
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H1110	08/10/09	08/10/09	SM 2540F
<b>Final Eff</b> <span style="float: right;">Sampled: 08/09/09 08:00 9H10023-05 (Waste Water)</span>										
Specific Conductance (EC)		710	1.0	1.0	µS/cm	1	T9H1004	08/10/09	08/10/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/09/09 08:00 9H10023-06 (Waste Water)</span>										
Specific Conductance (EC)		800	1.0	1.0	µS/cm	1	T9H1004	08/10/09	08/10/09	EPA 120.1
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H1110	08/10/09	08/10/09	SM 2540F

### Notes and Definitions

HR	This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
µg/L	micrograms per liter (parts per billion concentration unit)
mg/L	milligrams per liter (parts per million concentration unit)
mg/kg	milligrams per kilogram (parts per million concentration unit)
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  
Jim Brownfield, 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.



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August 17, 2009

Work Order #: 9H11013

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 08/11/09 . For your reference, these analyses have been assigned laboratory work order number 9H11013.

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  
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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: 08/17/2009
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**Analytical Report for Work Order 9H11013**

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent</b>					<b>Sampled: 08/10/09 08:00 9H11013-01 (Waste Water)</b>					
Specific Conductance (EC)		660	1.0		µS/cm	1	T9H1106	08/11/09	08/11/09	EPA 120.1
Turbidity		1.8	0.020		NTU	1	T9H1109	08/11/09	08/11/09	EPA 180.1
<b>Final Eff</b>					<b>Sampled: 08/10/09 11:14 9H11013-02 (Waste Water)</b>					
Specific Conductance (EC)		680	1.0		µS/cm	1	T9H1106	08/11/09	08/11/09	EPA 120.1
<b>Tertiary Effluent</b>					<b>Sampled: 08/10/09 11:16 9H11013-03 (Waste Water)</b>					
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1204	08/12/09	08/12/09	SM 2540F
<b>Tertiary Effluent Station R1</b>					<b>Sampled: 08/10/09 11:30 9H11013-04 (Waste Water)</b>					
Specific Conductance (EC)		27	1.0		µS/cm	1	T9H1106	08/11/09	08/11/09	EPA 120.1
Turbidity		1.3	0.020		NTU	1	T9H1109	08/11/09	08/11/09	EPA 180.1
<b>Tertiary Effluent Station R2</b>					<b>Sampled: 08/10/09 11:40 9H11013-05 (Waste Water)</b>					
Specific Conductance (EC)		27	1.0		µS/cm	1	T9H1106	08/11/09	08/11/09	EPA 120.1
Turbidity		1.2	0.020		NTU	1	T9H1109	08/11/09	08/11/09	EPA 180.1

**Notes and Definitions**

- 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

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

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August 28, 2009

Work Order #: 9H12015

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 08/12/09 . For your reference, these analyses have been assigned laboratory work order number 9H12015.

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

SEP 10 2009



2527 Fresno Street  
 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: 08/28/2009
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### Analytical Report for Work Order 9H12015

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Final Eff</b>					Sampled: 08/11/09 14:15 9H12015-01 (Waste Water)						
Specific Conductance (EC)		680	1.0		µS/cm	1	T9H1218	08/12/09	08/12/09	EPA 120.1	
<b>Tertiary Eff</b>					Sampled: 08/11/09 14:15 9H12015-02 (Waste Water)						
Specific Conductance (EC)		700	1.0		µS/cm	1	T9H1218	08/12/09	08/12/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1311	08/13/09	08/13/09	SM 2540F	
<b>Tertiary Eff</b>					Sampled: 08/12/09 08:00 9H12015-03 (Waste Water)						
Total Suspended Solids		ND	4.0		mg/L	1	T9H1811	08/18/09	08/20/09	SM 2540D	
Biochemical Oxygen Demand		7.0	1.0		mg/L	1	T9H1310	08/13/09	08/18/09	SM5210B	
<b>Tertiary Eff</b>					Sampled: 08/12/09 10:29 9H12015-04 (Waste Water)						
Specific Conductance (EC)		1900	1.0		µS/cm	1	T9H1218	08/12/09	08/12/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1311	08/13/09	08/13/09	SM 2540F	
<b>Final Eff</b>					Sampled: 08/12/09 10:25 9H12015-05 (Waste Water)						
Specific Conductance (EC)		660	1.0		µS/cm	1	T9H1218	08/12/09	08/12/09	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  
 Jim Brownfield, Quality Assurance Manager

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August 28, 2009

Work Order #: 9H13011

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 08/13/09 . For your reference, these analyses have been assigned laboratory work order number 9H13011.

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

SEP 10 2009



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: 08/28/2009
---	---	-------------------------

### Analytical Report for Work Order 9H13011

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Raw Wastewater</b>					Sampled: 08/12/09 09:00 9H13011-01 (Waste Water)					
Total Suspended Solids		160	4.0		mg/L	1	T9H1909	08/19/09	08/20/09	SM 2540D
Biochemical Oxygen Demand		130	30		mg/L	30	T9H1413	08/14/09	08/19/09	SM5210B
<b>Final Eff</b>					Sampled: 08/12/09 14:30 9H13011-02 (Waste Water)					
Total Suspended Solids		ND	4.0		mg/L	1	T9H1909	08/19/09	08/20/09	SM 2540D
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1412	08/14/09	08/14/09	SM 2540F
Biochemical Oxygen Demand		ND	1.0		mg/L	1	T9H1413	08/14/09	08/19/09	SM5210B
<b>Tertiary Eff</b>					Sampled: 08/13/09 09:00 9H13011-03 (Waste Water)					
Total Coliforms		2.0	2.0		MPN/100mL	1	T9H1409	08/13/09	08/16/09	SM9221B/E/F

#### Notes and Definitions

- DUP A high RPD was observed between a sample and this sample's duplicate.
- 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  
 Jim 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

August 28, 2009

Work Order #: 9H14012

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 08/14/09 . For your reference, these analyses have been assigned laboratory work order number 9H14012.

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

SEP 10 2009



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: 08/28/2009
---	---	-------------------------

### Analytical Report for Work Order 9H14012

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Eff</b>						Sampled: 08/13/09 08:30 9H14012-01 (Waste Water)				
Specific Conductance (EC)		670	1.0		μS/cm	1	T9H1421	08/14/09	08/14/09	EPA 120.1
<b>Tertiary Eff</b>						Sampled: 08/13/09 08:30 9H14012-02 (Waste Water)				
Specific Conductance (EC)		1700	1.0		μS/cm	1	T9H1421	08/14/09	08/14/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1412	08/14/09	08/14/09	SM 2540F
<b>Final Eff</b>						Sampled: 08/14/09 09:12 9H14012-03 (Waste Water)				
Specific Conductance (EC)		690	1.0		μS/cm	1	T9H1421	08/14/09	08/14/09	EPA 120.1
<b>Tertiary Eff</b>						Sampled: 08/14/09 09:12 9H14012-04 (Waste Water)				
Specific Conductance (EC)		1800	1.0		μS/cm	1	T9H1421	08/14/09	08/14/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1412	08/14/09	08/14/09	SM 2540F

#### 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



2527 Fresno Street  
 Fresno, CA 93721  
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August 28, 2009

Work Order #: 9H17016

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 08/17/09 . For your reference, these analyses have been assigned laboratory work order number 9H17016.

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  
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 (559) 268-0740 Fax

Malaga County Water District	Project: Malaga Sewer Plant	Reported:
3580 S. Frank	Project Number: Analytical Services	08/28/2009
Fresno CA, 93725	Project Manager: Tony Morales	

### Analytical Report for Work Order 9H17016

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Eff</b>					Sampled: 08/15/09 08:30 <b>9H17016-01 (Waste Water)</b>					
Specific Conductance (EC)	HT	700	1.0		µS/cm	1	T9H1721	08/17/09	08/17/09	EPA 120.1
<b>Tertiary Eff.</b>					Sampled: 08/15/09 08:30 <b>9H17016-02 (Waste Water)</b>					
Specific Conductance (EC)	HT	830	1.0		µS/cm	1	T9H1721	08/17/09	08/17/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1808	08/17/09	08/17/09	SM 2540F
<b>Final Eff</b>					Sampled: 08/16/09 08:30 <b>9H17016-03 (Waste Water)</b>					
Specific Conductance (EC)		680	1.0		µS/cm	1	T9H1721	08/17/09	08/17/09	EPA 120.1
<b>Tertiary Eff.</b>					Sampled: 08/16/09 08:30 <b>9H17016-04 (Waste Water)</b>					
Specific Conductance (EC)		740	1.0		µS/cm	1	T9H1721	08/17/09	08/17/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1808	08/17/09	08/17/09	SM 2540F
<b>Final Eff</b>					Sampled: 08/17/09 07:30 <b>9H17016-05 (Waste Water)</b>					
Specific Conductance (EC)		710	1.0		µS/cm	1	T9H1721	08/17/09	08/17/09	EPA 120.1
<b>Tertiary Eff.</b>					Sampled: 08/17/09 07:30 <b>9H17016-06 (Waste Water)</b>					
Specific Conductance (EC)		690	1.0		µS/cm	1	T9H1721	08/17/09	08/17/09	EPA 120.1
Turbidity		1.4	0.020		NTU	1	T9H1722	08/17/09	08/17/09	EPA 180.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H1808	08/17/09	08/17/09	SM 2540F

#### Notes and Definitions

- HT This result was analyzed outside of the EPA recommended holding time.
- 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  
 Jim 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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Fresno, CA 93721  
(559) 268-7021 Phone  
(559) 268-0740 Fax

September 04, 2009

Work Order #: 9H18009

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 08/18/09 . For your reference, these analyses have been assigned laboratory work order number 9H18009.

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

SEP 18 2009



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:  
 09/04/2009

### Analytical Report for Work Order 9H18009

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Raw Wastewater</b>						<b>Sampled: 08/18/09 09:00 9H18009-01 (Waste Water)</b>				
Total Suspended Solids		83	4.0	1.1	mg/L	1	T9H2409	08/24/09	08/25/09	SM 2540D
Biochemical Oxygen Demand		55	30	30	mg/L	30	T9H1917	08/19/09	08/24/09	SM5210B
<b>Final Eff</b>						<b>Sampled: 08/17/09 16:00 9H18009-02 (Waste Water)</b>				
Total Suspended Solids	J	1.8	4.0	1.1	mg/L	1	T9H2409	08/24/09	08/25/09	SM 2540D
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H1915	08/19/09	08/19/09	SM 2540F
Biochemical Oxygen Demand		ND	1.0	1.0	mg/L	1	T9H1917	08/19/09	08/24/09	SM5210B
<b>Tertiary Eff</b>						<b>Sampled: 08/17/09 16:00 9H18009-03 (Waste Water)</b>				
Specific Conductance (EC)		700	1.0	1.0	µS/cm	1	T9H1925	08/18/09	08/18/09	EPA 120.1
Nitrite as Nitrogen		ND	0.30		mg/L	1	[CALC]	08/18/09	08/18/09	EPA 300.0
Nitrate as Nitrogen		11	0.90		mg/L	2	[CALC]	08/18/09	08/18/09	EPA 300.0
Nitrite as NO2	J	0.30	1.0	0.085	mg/L	1	T9H1806	08/18/09	08/18/09	EPA 300.0
Nitrate as NO3		51	4.0	0.60	mg/L	2	T9H1806	08/18/09	08/18/09	EPA 300.0
Ammonia as N		ND	1.0	0.48	mg/L	1	T9H2017	08/20/09	08/24/09	EPA 350.1
Phosphorus		ND	0.10	0.083	mg/L	1	T9H1923	08/19/09	08/21/09	EPA 365.4
Total Dissolved Solids		500	10	8.1	mg/L	1	T9H2408	08/24/09	08/26/09	SM 2540C
Total Suspended Solids		ND	4.0	1.1	mg/L	1	T9H2409	08/24/09	08/25/09	SM 2540D
Biochemical Oxygen Demand		1.6	1.0	1.0	mg/L	1	T9H2523	08/26/09	08/31/09	SM5210B
<b>Final Eff</b>						<b>Sampled: 08/18/09 07:00 9H18009-04 (Waste Water)</b>				
Specific Conductance (EC)		730	1.0	1.0	µS/cm	1	T9H1927	08/19/09	08/19/09	EPA 120.1
<b>Tertiary Eff</b>						<b>Sampled: 08/18/09 07:00 9H18009-05 (Waste Water)</b>				
Specific Conductance (EC)		720	1.0	1.0	µS/cm	1	T9H1927	08/19/09	08/19/09	EPA 120.1
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H1915	08/19/09	08/19/09	SM 2540F

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
 Jim Brownfield, 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.*



California ELAP Certificate # 1371

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

September 04, 2009

Work Order #: 9H19017

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 08/19/09 . For your reference, these analyses have been assigned laboratory work order number 9H19017.

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 'Ronald J. Boquist', written in a cursive style.

Ronald J. Boquist  
Director of Analytical Chemistry

SEP 18 2009



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: 08/28/2009
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**Analytical Report for Work Order 9H20014**

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Eff.</b>						Sampled: 08/19/09 07:00 9H20014-01 (Waste Water)				
Specific Conductance (EC)		790	1.0		µS/cm	1	T9H2026	08/20/09	08/20/09	EPA 120.1
<b>Tertiary Eff.</b>						Sampled: 08/19/09 07:00 9H20014-02 (Waste Water)				
Specific Conductance (EC)		750	1.0		µS/cm	1	T9H2026	08/20/09	08/20/09	EPA 120.1
Turbidity		0.84	0.020		NTU	1	T9H2112	08/21/09	08/21/09	EPA 180.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2114	08/21/09	08/21/09	SM 2540F

**Notes and Definitions**

- 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

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

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

August 28, 2009

Work Order #: 9H20014

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 08/20/09 . For your reference, these analyses have been assigned laboratory work order number 9H20014.

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

SEP 10 2009



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: 08/28/2009
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### Analytical Report for Work Order 9H20014

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Eff.</b>						Sampled: 08/19/09 07:00 9H20014-01 (Waste Water)				
Specific Conductance (EC)		790	1.0		μS/cm	1	T9H2026	08/20/09	08/20/09	EPA 120.1
<b>Tertiary Eff.</b>						Sampled: 08/19/09 07:00 9H20014-02 (Waste Water)				
Specific Conductance (EC)		750	1.0		μS/cm	1	T9H2026	08/20/09	08/20/09	EPA 120.1
Turbidity		0.84	0.020		NTU	1	T9H2112	08/21/09	08/21/09	EPA 180.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2114	08/21/09	08/21/09	SM 2540F

#### 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  
 Jim Brownfield, Quality Assurance Manager

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# CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

**WORK ORDER #:**  
 PAGE 1 OF 1 9/19/07

ANALYTICAL CHEMISTRY DIVISION  
 CALIFORNIA ELAP CERTIFICATION # 1371

REPORT TO:  INVOICE TO:  REPORT COPY TO:  REPORTING:

ATTENTION: <b>TONY Morales</b> NAME: <b>Malaga County Water District</b> ADDRESS: <b>3580 S. Frank</b> <b>Fresno, CA 93725</b> PHONE: <b>485-7353</b> FAX: <b>495-1070</b>	ATTENTION: <b>Laurie Cortez</b> NAME: <b>Malaga County Water District</b> ADDRESS: <b>3580 S. Frank</b> <b>Fresno, CA 93725</b> PHONE: <b>485-7353</b> FAX: <b>485-7319</b>	<input type="checkbox"/> STANDARD PRINTED REPORT <input type="checkbox"/> WRITE-ON (STATE FORM) <input type="checkbox"/> GEOTRACKER/COELT (LUFT) <input type="checkbox"/> PDF <input type="checkbox"/> SPREADSHEET <input type="checkbox"/> County DHS: <input type="checkbox"/> Environmental Health Agency: <input type="checkbox"/> OTHER:
---	--	---

<b>SAMPLE INFORMATION</b> SAMPLED BY (PRINT): <b>Frank Cruz</b> SIGNATURE: <i>Frank Cruz</i> <input type="checkbox"/> PUBLIC SYSTEM <input checked="" type="checkbox"/> ROUTINE <input type="checkbox"/> PRIVATE WELL <input type="checkbox"/> REPEAT <input type="checkbox"/> OTHER <input type="checkbox"/> REPLACEMENT TURN AROUND TIME: <input type="checkbox"/> RUSH, DUE ON: <input checked="" type="checkbox"/> STANDARD	<b>SAMPLE TYPES:</b> SOLID: BS - BIOSOLID CR - CERAMIC SL - SOIL/SOLID LIQUID: DW - DRINKING WATER GW - GROUND WATER OL - OIL SF - SURFACE WATER ST - STORM WATER WW - WASTE WATER	<b>PROJECT INFORMATION</b> CONTRACT/P.O. NO.: PROJECT: <b>Malaga sewer plant</b> PROJECT NUMBER: PROJECT MANAGER:
--	---	--

NOTES ON RECEIVED CONDITION:				ANALYSIS REQUESTED										
L A B U S E	<input type="checkbox"/> CUSTODY SEAL(S) BROKEN <input type="checkbox"/> SAMPLE(S) DAMAGED <input type="checkbox"/> ON ICE <input type="checkbox"/> AMBIENT TEMP. <input type="checkbox"/> INCORRECT PRESERVATION <div style="text-align: right; margin-top: 5px;">19.0°C</div>			Aluminum	Boron	Bromoform	Chloride	Copper	Cyanide	Diazinon	Fluoride	LAB USE		
	CLIENT SAMPLE ID	DATE	TIME	TYPE										
		Tertiary Eff	8-19-09	11:30 AM	WW	X	X	X	X	X	X	X	X	2x 12Agt 5000g
													500PHNO 250NaOH 125TH 25TH 4x 100A HCL	

COMMENTS/ADDITIONAL INSTRUCTIONS:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
<i>Frank Cruz</i>	Malaga County	8-19-09	1427	<i>[Signature]</i>	MTA



California ELAP Certificate # 1371

2527 Fresno St  
Fresno, CA 9372  
(559) 268-7021 Pho  
(559) 268-0740 Fa

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

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

Reported:  
9/4/09

**Tertiary Eff**  
9H19017-01 (Waste Water)

Analyte	Notes	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Inorganics</b>										
Chloride		50	6.0	0.45	mg/L	3	T9H1907	08/19/09	08/19/09	EPA 300.0
Cyanide (amenable)		5.9	5.0	2.8	µg/L	1	T9H2106	08/24/09	08/26/09	SM4500CN-G
Fluoride		1.0	0.10	0.063	mg/L	1	T9H1907	08/19/09	08/19/09	EPA 300.0
<b>Metals - Totals</b>										
Aluminum		0.050	0.050	0.0072	mg/L	1	T9H2713	08/27/09	08/28/09	EPA 200.7
Boron		0.18	0.050	0.00083	mg/L	1	T9H2713	08/27/09	08/28/09	EPA 200.7
Copper		0.022	0.0050	0.00095	mg/L	1	T9H2713	08/27/09	08/28/09	EPA 200.7
<b>Semi-Volatile Organics</b>										
Atrazine		ND	0.50	0.098	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Azinphos-methyl		ND	0.50	0.13	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Bolstar		ND	0.50	0.12	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Chlorpyrifos		ND	0.50	0.13	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Coumaphos		ND	0.50	0.078	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Demeton-o		ND	0.50	0.19	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Demeton-s		ND	0.50	0.12	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Diazinon		ND	0.50	0.11	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Dimethoate		ND	0.50	0.17	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Disulfoton		ND	0.50	0.096	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Ethion		ND	0.50	0.11	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Ethoprop		ND	0.50	0.11	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Fensulfothion		ND	0.50	0.20	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Fenthion		ND	0.50	0.13	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Malathion		ND	0.50	0.10	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Naled		ND	0.50	0.18	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Parathion-ethyl		ND	0.50	0.099	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Parathion-methyl		ND	0.50	0.12	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Phorate		ND	0.50	0.10	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Phosdrin		ND	0.50	0.058	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Ronnel		ND	0.50	0.12	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Simazine		ND	0.50	0.12	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Stirophos		ND	0.50	0.15	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Thionazin		ND	0.50	0.11	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Trichloronate		ND	0.50	0.12	µg/L	1	T9H2025	08/20/09	08/25/09	EPA 8141A
Surrogate: Triphenyl phosphate				107 %		70-140	T9H2025	08/20/09	08/25/09	EPA 8141A



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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 9/4/09
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**Tertiary Eff**  
 9H19017-01 (Waste Water)

Analyte	Notes	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Volatile Organics</b>										
Chloroform		11	1.0	0.36	µg/L	2	T9H2103	08/21/09	08/22/09	EPA 524.2
Bromodichloromethane		36	1.0	0.26	µg/L	2	T9H2103	08/21/09	08/22/09	EPA 524.2
Dibromochloromethane		61	1.0	0.44	µg/L	2	T9H2103	08/21/09	08/22/09	EPA 524.2
Bromoform		19	1.0	0.44	µg/L	2	T9H2103	08/21/09	08/22/09	EPA 524.2
TTHM		130	4.0	4.0	µg/L	2	T9H2103	08/21/09	08/22/09	EPA 524.2
Surrogate: 4-Bromofluorobenzene				105 %	80-120		T9H2103	08/21/09	08/22/09	EPA 524.2
Surrogate: Toluene-d8				99.0 %	80-120		T9H2103	08/21/09	08/22/09	EPA 524.2
Surrogate: Dibromofluoromethane				104 %	80-120		T9H2103	08/21/09	08/22/09	EPA 524.2

**Notes and Definitions**

- Q4 The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
- NR Not Reported
- RPD Relative Percent Difference
- MDL Method Detection Limit



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August 28, 2009

Work Order #: 9H20014

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 08/20/09 . For your reference, these analyses have been assigned laboratory work order number 9H20014.

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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 (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: 08/28/2009
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### Analytical Report for Work Order 9H21024

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Final Eff</b>					Sampled: 08/20/09 07:08 9H21024-01 (Waste Water)						
Specific Conductance (EC)		750	1.0		μS/cm	1	T9H2111	08/21/09	08/21/09	EPA 120.1	
<b>Tertiary Eff.</b>					Sampled: 08/20/09 07:08 9H21024-02 (Waste Water)						
Specific Conductance (EC)		810	1.0		μS/cm	1	T9H2111	08/21/09	08/21/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2114	08/21/09	08/21/09	SM 2540F	
<b>Final Eff</b>					Sampled: 08/21/09 11:00 9H21024-03 (Waste Water)						
Specific Conductance (EC)		790	1.0		μS/cm	1	T9H2111	08/21/09	08/21/09	EPA 120.1	
<b>Tertiary Eff.</b>					Sampled: 08/21/09 11:00 9H21024-04 (Waste Water)						
Specific Conductance (EC)		840	1.0		μS/cm	1	T9H2111	08/21/09	08/21/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2114	08/21/09	08/21/09	SM 2540F	
<b>Tertiary Eff</b>					Sampled: 08/21/09 11:45 9H21024-05 (Waste Water)						
Total Coliforms		< 2	2.0		MPN/100mL	1	T9H2119	08/21/09	08/23/09	SM9221B/E/F	

### Notes and Definitions

- \_3x5 < 2
- 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  
 Jim Brownfield, Quality Assurance Manager

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August 28, 2009

Work Order #: 9H21024

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 08/21/09 . For your reference, these analyses have been assigned laboratory work order number 9H21024.

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 'Ronald J. Boquist', is written over the printed name.

Ronald J. Boquist  
Director of Analytical Chemistry

SEP 10 2009



2527 Fresno Street  
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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 08/28/2009
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### Analytical Report for Work Order 9H25005

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Final Eff</b>					Sampled: 08/22/09 09:00 <b>9H25005-01 (Waste Water)</b>						
Specific Conductance (EC)	HT	740	1.0		µS/cm	1	T9H2515	08/25/09	08/25/09	EPA 120.1	
<b>Tertiary Eff</b>					Sampled: 08/22/09 09:00 <b>9H25005-02 (Waste Water)</b>						
Specific Conductance (EC)	HT	780	1.0		µS/cm	1	T9H2515	08/25/09	08/25/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2514	08/25/09	08/25/09	SM 2540F HR	
<b>Final Eff</b>					Sampled: 08/23/09 08:00 <b>9H25005-03 (Waste Water)</b>						
Specific Conductance (EC)	HT	700	1.0		µS/cm	1	T9H2515	08/25/09	08/25/09	EPA 120.1	
<b>Tertiary Eff</b>					Sampled: 08/23/09 08:00 <b>9H25005-04 (Waste Water)</b>						
Specific Conductance (EC)	HT	760	1.0		µS/cm	1	T9H2515	08/25/09	08/25/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2514	08/25/09	08/25/09	SM 2540F	
<b>Final Eff</b>					Sampled: 08/24/09 14:15 <b>9H25005-05 (Waste Water)</b>						
Specific Conductance (EC)		700	1.0		µS/cm	1	T9H2515	08/25/09	08/25/09	EPA 120.1	
<b>Tertiary Eff</b>					Sampled: 08/24/09 14:15 <b>9H25005-06 (Waste Water)</b>						
Specific Conductance (EC)		650	1.0		µS/cm	1	T9H2515	08/25/09	08/25/09	EPA 120.1	
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H2514	08/25/09	08/25/09	SM 2540F	

### Notes and Definitions

- HT This result was analyzed outside of the EPA recommended holding time.
- HR This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
- 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  
Jim Brownfield, Quality Assurance Manager

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September 08, 2009

Work Order #: 9H25020

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 08/25/09. For your reference, these analyses have been assigned laboratory work order number 9H25020.

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

SEP 18 2009



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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 09/08/2009
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### Analytical Report for Work Order 9H25020

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Tertiary Effluent Station R1</b>						<b>Sampled: 08/25/09 09:20 9H25020-01 (Surface Water)</b>				
Ammonia-Unionized		ND	0.010		mg/L	1	T9I0110	09/01/09	09/03/09	[CALC]
Turbidity		1.8	0.020		NTU	1	T9H2524	08/25/09	08/25/09	EPA 180.1
Nitrate as Nitrogen		ND	0.45		mg/L	1	[CALC]	08/25/09	08/26/09	EPA 300.0
Nitrate as NO3		ND	2.0		mg/L	1	T9H2506	08/25/09	08/26/09	EPA 300.0
Ammonia as N		ND	1.0		mg/L	1	T9I0110	09/01/09	09/02/09	EPA 350.1
Total Kjeldahl Nitrogen		ND	1.0		mg/L	1	T9H2701	08/27/09	08/28/09	EPA 351.2
Phosphorus		ND	0.10		mg/L	1	T9H2701	08/27/09	08/28/09	EPA 365.4
Aluminum		0.072	0.050		mg/L	1	T9H3112	08/31/09	09/03/09	EPA 200.7
<b>Tertiary Effluent Station R2</b>						<b>Sampled: 08/25/09 09:30 9H25020-02 (Surface Water)</b>				
Ammonia-Unionized		0.014	0.010		mg/L	1	T9I0110	09/01/09	09/03/09	[CALC]
Turbidity		1.9	0.020		NTU	1	T9H2524	08/25/09	08/25/09	EPA 180.1
Nitrate as Nitrogen		ND	0.45		mg/L	1	[CALC]	08/25/09	08/26/09	EPA 300.0
Nitrate as NO3		ND	2.0		mg/L	1	T9H2506	08/25/09	08/26/09	EPA 300.0
Ammonia as N		ND	1.0		mg/L	1	T9I0110	09/01/09	09/02/09	EPA 350.1
Total Kjeldahl Nitrogen		ND	1.0		mg/L	1	T9H2701	08/27/09	08/28/09	EPA 351.2
Phosphorus		ND	0.10		mg/L	1	T9H2701	08/27/09	08/28/09	EPA 365.4
Aluminum		0.12	0.050		mg/L	1	T9H3112	08/31/09	09/03/09	EPA 200.7

#### 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  
 Jim Brownfield, Quality Assurance Manager

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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 09/11/2009
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### Analytical Report for Work Order 9H28009

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	
<b>Final Eff</b>											Sampled: 08/25/09 09:15 9H28009-01 (Waste Water)
Specific Conductance (EC)		760	1.0	1.0	µS/cm	1	T9H2814	08/28/09	08/28/09	EPA 120.1	HR
<b>Tertiary Eff</b>											Sampled: 08/25/09 09:15 9H28009-02 (Waste Water)
Specific Conductance (EC)		730	1.0	1.0	µS/cm	1	T9H2814	08/28/09	08/28/09	EPA 120.1	HR
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H2822	08/28/09	08/28/09	SM 2540F	HR
<b>Final Eff</b>											Sampled: 08/26/09 13:05 9H28009-03 (Waste Water)
Specific Conductance (EC)		740	1.0	1.0	µS/cm	1	T9H2814	08/28/09	08/28/09	EPA 120.1	HR
<b>Tertiary Eff</b>											Sampled: 08/26/09 13:05 9H28009-04 (Waste Water)
Specific Conductance (EC)		730	1.0	1.0	µS/cm	1	T9H2814	08/28/09	08/28/09	EPA 120.1	HR
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H2822	08/28/09	08/28/09	SM 2540F	
<b>Aeration Tank</b>											Sampled: 08/26/09 13:05 9H28009-05 (Waste Water)
Nitrate as Nitrogen		5.3	0.90		mg/L	2	[CALC]	08/28/09	08/29/09	EPA 300.0	
Nitrate as NO3	HR	23	4.0	0.60	mg/L	2	T9H2811	08/28/09	08/29/09	EPA 300.0	
<b>Raw Waste Water</b>											Sampled: 08/27/09 07:30 9H28009-06 (Waste Water)
Total Suspended Solids		120	20	5.7	mg/L	5	T9I0310	09/03/09	09/04/09	SM 2540D	
Biochemical Oxygen Demand		42	10	10	mg/L	10	T9H2719	08/28/09	09/02/09	SM5210B	
<b>Final Eff</b>											Sampled: 08/27/09 15:35 9H28009-07 (Waste Water)
Specific Conductance (EC)		710	1.0	1.0	µS/cm	1	T9H2814	08/28/09	08/28/09	EPA 120.1	
Total Suspended Solids		ND	4.0	1.1	mg/L	1	T9I0310	09/03/09	09/04/09	SM 2540D	
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H2822	08/28/09	08/28/09	SM 2540F	
Biochemical Oxygen Demand		ND	1.0	1.0	mg/L	1	T9H2719	08/28/09	09/02/09	SM5210B	
<b>Tertiary Eff</b>											Sampled: 08/27/09 15:35 9H28009-08 (Waste Water)
Specific Conductance (EC)		710	1.0	1.0	µS/cm	1	T9H2814	08/28/09	08/28/09	EPA 120.1	
Total Suspended Solids	J	1.8	5.0	1.4	mg/L	1.25	T9I0310	09/03/09	09/04/09	SM 2540D	
Total Settleable Solids		ND	0.10	0.10	mL/L/Hr	1	T9H2822	08/28/09	08/28/09	SM 2540F	
Biochemical Oxygen Demand		ND	1.0	1.0	mg/L	1	T9H2719	08/28/09	09/02/09	SM5210B	
<b>Tertiary Eff</b>											Sampled: 08/28/09 08:45 9H28009-09 (Waste Water)
Turbidity		1.2	0.020	0.020	NTU	1	T9H3105	08/28/09	08/28/09	EPA 180.1	

Moore Twining Associates, Inc.

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

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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 09/11/2009
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**Analytical Report for Work Order 9H28009**

Analyte	Qual.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Sampled: 08/28/09 10:45 9H28009-10 (Waste Water)</b>										
<b>Tertiary Eff</b>										
Total Coliforms		170	2.0		MPN/100mL	1	T9H2820	08/28/09	08/31/09	SM9221B/E/F

**Notes and Definitions**

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- HR This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
- 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  
 Jim Brownfield, Quality Assurance Manager

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(559) 268-7021 Phone  
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September 11, 2009

Work Order #: 9H28009

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 08/28/09 . For your reference, these analyses have been assigned laboratory work order number 9H28009.

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  
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Malaga County Water District 3580 S. Frank Fresno CA, 93725	Project: Malaga Sewer Plant Project Number: Analytical Services Project Manager: Tony Morales	Reported: 09/11/2009
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### Analytical Report for Work Order 9H31016

Analyte	Qml.	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Final Eff</b> <span style="float: right;">Sampled: 08/28/09 07:00 9H31016-01 (Waste Water)</span>										
Specific Conductance (EC)	HR	760	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/28/09 07:00 9H31016-02 (Waste Water)</span>										
Specific Conductance (EC)	HR	760	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
Total Settleable Solids		7.5	0.10		mL/L/Hr	1	T9H3111	08/31/09	08/31/09	SM 2540F HR
<b>Final Eff</b> <span style="float: right;">Sampled: 08/29/09 08:10 9H31016-03 (Waste Water)</span>										
Specific Conductance (EC)	HR	770	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/29/09 08:10 9H31016-04 (Waste Water)</span>										
Specific Conductance (EC)	HR	770	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H3111	08/31/09	08/31/09	SM 2540F
<b>Final Eff</b> <span style="float: right;">Sampled: 08/30/09 08:05 9H31016-05 (Waste Water)</span>										
Specific Conductance (EC)		740	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/30/09 08:05 9H31016-06 (Waste Water)</span>										
Specific Conductance (EC)		730	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H3111	08/31/09	08/31/09	SM 2540F
<b>Final Eff</b> <span style="float: right;">Sampled: 08/31/09 09:00 9H31016-07 (Waste Water)</span>										
Specific Conductance (EC)		730	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
<b>Tertiary Eff</b> <span style="float: right;">Sampled: 08/31/09 09:00 9H31016-08 (Waste Water)</span>										
Specific Conductance (EC)		720	1.0		µS/cm	1	T9H3122	08/31/09	08/31/09	EPA 120.1
Total Settleable Solids		ND	0.10		mL/L/Hr	1	T9H3111	08/31/09	08/31/09	SM 2540F

Moore Twining Associates, Inc.

Ronald J. Boquist, Director of Analytical Chemistry  
Jim 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.*

## TRANSMISSION VERIFICATION REPORT

TIME : 09/16/2009 12:14  
NAME : MOORE TWINING  
FAX : 559-268-0740  
TEL :  
SER.# : BR0M6J587647

DATE, TIME	09/16 12:13
FAX NO./NAME	4951070
DURATION	00:00:37
PAGE(S)	04
RESULT	OK
MODE	STANDARD ECM



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

September 11, 2009

Work Order #: 9H31016

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 08/31/09. For your reference, these analyses have been assigned laboratory work order number 9H31016.

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.