QUARTERLY MONITORING REPORT
JULY 2004

City of Patterson Wastewater Treatment Plant
Groundwater Monitoring Program

Conducted in Accordance with
Waste Discharge Requirements Order No. 5-00-146

Prepared by:

LEE & RO, Inc.
11060 White Rock Road, Suite 100
Rancho Cordova, California 95670-6046

Prepared for:

City of Patterson
Department of Public Works
33 South Del Puerto Avenue
Patterson, CA 95363

July 2004

REPORT PREPARED BY:

8/10/4

Robert O. Godwin (DATE)
Registered Civil Engineer California No. C48045

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1. INTRODUCTION

This Quarterly Groundwater Monitoring Report has been prepared in accordance with the Waste Discharge Requirements for the City of Patterson Wastewater Treatment Plant in the City of Patterson, Stanislaus County, California. The wells were installed as part of the groundwater monitoring program developed to determine if groundwater has been, or has the potential to be, adversely impacted by wastewater treatment and disposal operations. The monitoring program will include an assessment of background conditions and a determination if there has been any impact from wastewater disposal. The groundwater monitoring program consists of the construction and quarterly sampling of five monitoring wells.

The wells were constructed in March 2001 and samples have been collected on a quarterly basis since April 2001. This report presents the results of the quarterly samples collected July 8, 2004. All of the wells were sampled on July 8, 2004.

2. GROUNDWATER MONITORING WELLS

Two upgradient wells (MW-1 and MW-2) and three downgradient wells (MW-3, MW-4, and MW-5) are located at the plant site.

The wells have 15 feet of screen per well. The total depths range from 28 to 30 feet below ground surface (bgs). A summary of well characteristics is provided in **Table 1**.

Table 1
Well Construction Summary

	MW-1	MW-2	MW-3	MW-4	MW-5
Well Depth (ft)	28	29	28	30	29
Completion Type	Below	Above	Above	Above	Above
Slot Size (inch)	0.01	0.02	0.02	0.01	0.02
Elevation of Slab Surface	55.58	57.93	52.18	56.99	53.79
Elevation of Top of Casing	54.93	59.68	53.80	58.58	55.21
Northing	63170.83	65646.16	63426.28	64632.54	65640.07
Easting	27600.60	26971.88	29651.79	28630.20	28819.87

3. GROUNDWATER ELEVATIONS

Groundwater elevations measured to date are summarized in **Figure 1**. Groundwater elevations measured in 2004 are presented in **Table 2** and contoured on the map presented in **Figure 2**.

Table 2
2004 Groundwater Elevations
Patterson WWTP Monitoring Wells

	MW-1	MW-2	MW-3	MW-4	MW-5
Water Elevation 7/8/04 (ft msl)	37.61	38.82	33.76	34.44	33.60

4. MONITORING WELL SAMPLING

The wells were purged and sampled according to the procedures specified in the workplan. Sampling was conducted by Richard Chrun of GeoAnalytical Laboratories under the general supervision of LEE & RO, Inc. Purge logs are presented in **Appendix A**.

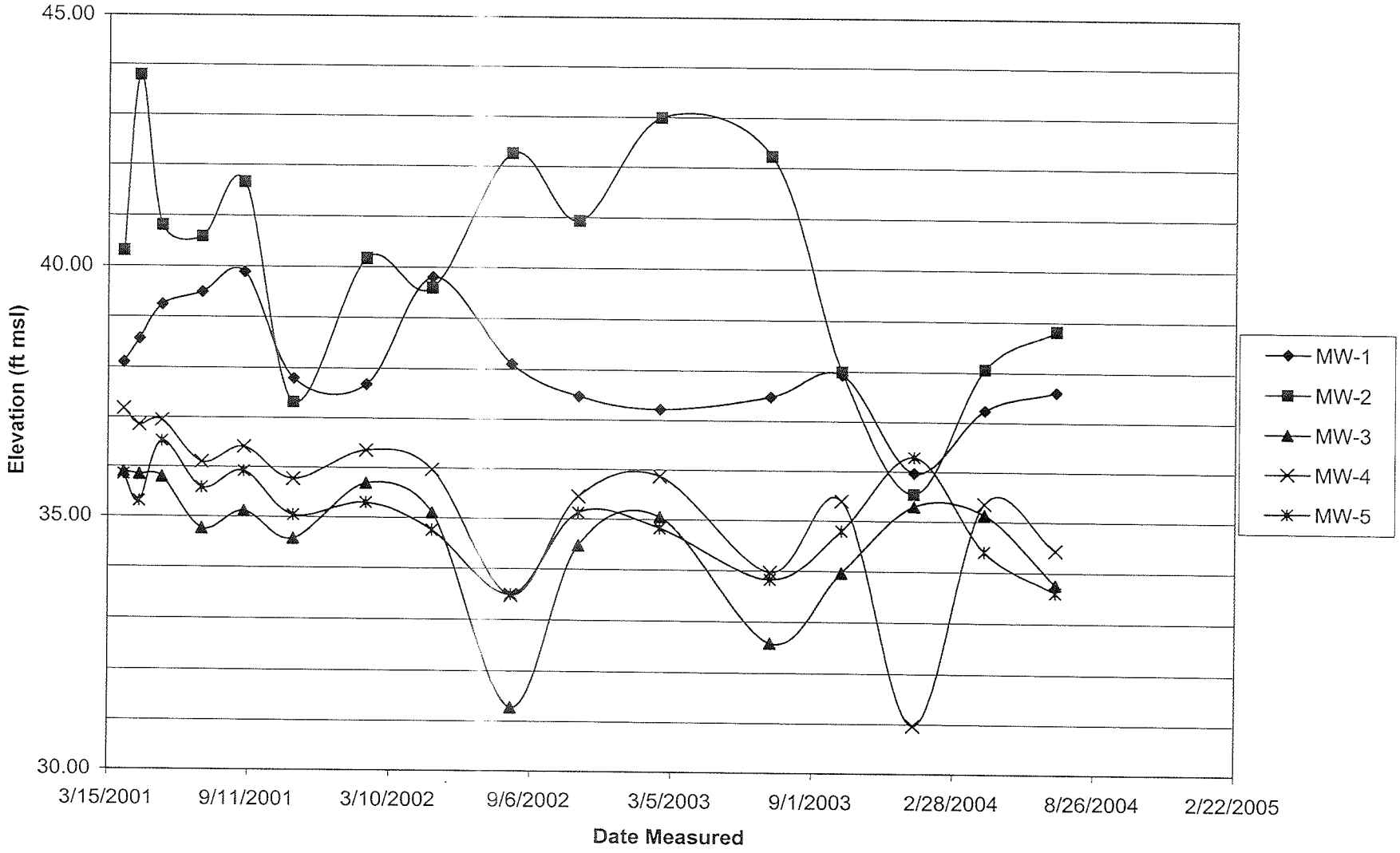
5. GROUNDWATER QUALITY RESULTS

The samples were analyzed by GeoAnalytical Laboratories, a state-certified environmental laboratory. Laboratory reports for the July 2004 quarterly samples are presented in **Appendix B**. Analytical results for the 2004 quarterly samples are presented in **Table 3**.

Table 3
Groundwater Analytical Results
April 2004

	Unit	MW-1	MW-2	MW-3	MW-4	MW-5
PH	Std. Units	6.9	6.4	6.6	6.6	6.6
Electrical Conductivity	Umhos/cm	2270	3570	4990	2960	3100
Total Dissolved Solids	mg/l	1280	1850	2630	1420	1540
Nitrate as Nitrogen	mg/l	10	7.3	13	ND	12
Total Coliform Organisms	MPN/100	<2	<2	<2	<2	<2

Figure 1
Groundwater Elevations in Patterson WWTP Monitoring Wells



J\721-July 2004_GW Measurements\Elevation Summary Chart

PLANT NORTH

SCALE: 1"=400'

0 100 200 300 400
SCALE IN FEET

33.60
MW-5

34

POND 4

35

AIPS
TREATMENT
SYSTEM

34.44
MW-4

33.76
MW-3

SECONDARY
CLARIFIERS

CHLORINE
CONTACT
TANK

ACTIVATED
SLUDGE

PERCOLATION PONDS

36

POND 3C & 3B

34

EFFLUENT
PUMPING
STATION

POND 11

POND 12

POND 10

37

POND 3A

POND 5

35

SLUDGE
DRYING
BEDS

SLUDGE
DRYING
BEDS

POND 2

POND 1

POND 6

POND 7

POND 8

POND 9

38

INFLUENT
PUMPING
STATION

36

MW-2
38.82

38

37

POPLAR AVE

WALNUT AVE

MW-1
37.61

FIGURE 2
GROUNDWATER ELEVATION MAP
JULY 8, 2004

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APPENDIX A
PURGE LOGS

Measurement of Groundwater Levels

Project Name	Patterson WWTP	Project No.	721
		Recorded By	Richard Chrun/GeoAnalytical
Location	Monitoring Wells	Date	7/8/2004
Equipment Type	Solinst Water Level Meter	Checked By	James Jetton
Equipment No.	1	Date	8/5/2004

Well Number	Time	Reference Point	Reference Elevation	Depth to Water	Water Elevation	Product Thickness	Product Elevation	Adjusted Water Elevation	Depth to Well Bottom	Notes (add below)
MW-1	1:03 PM	TOC	54.93	17.32	37.61	-	-	-	27.52	
MW-2	1:32 PM	TOC	59.68	20.86	38.82	-	-	-	31.28	
MW-3	2:08 PM	TOC	53.80	20.04	33.76	-	-	-	30.88	
MW-4	1:56 PM	TOC	58.58	24.14	34.44	-	-	-	31.64	
MW-5	1:46 PM	TOC	55.21	21.61	33.60	-	-	-	30.50	

Notes:

Report # Q190-20 **Field Log / Groundwater Sampling Form** Date 7-8-04

Client City of Patterson Well Name MW-1

Project Name

Well Type : ☐ Monitor ☐ Extraction ☐ Other

Consultant

Proj. Manager Rich Chrun/Ray Azevedo Sampler Rich & Ray

WELL PURGING

Purge Method

☒ Bailer - Type
☐ Pump - Type
☐ Other

Total Well Depth 27.5
Depth to Water 17.32
= Water Column Length 10.18

Multiplier

Well Casing I.D. (in.)	Gal/Ft.
2.0	0.1632
(4.0)	0.6527
6.0	1.4686

Purge Volume

Well Casing Diameter: ☐ 2 - inch ☐ 4 - inch ☐ other

Well Volume Purged: ☐ 3 volumes ☐ 4 volumes ☐ other

10.18 (Water column length) x .6527 (Multiplier) x 3 (No. Volumes) = 19.93 CALCULATED. Purge Vol.

19.93 / 10 (Purge Rate) = 1.99 TOTAL PURGE TIME

1.99 (Total Purge Time) / 3 (# Volumes) = 1.66 PURGE TIME/VOL.

Actual Values

Purge Time /Vol.	3
X No. Volumes	3
= Total Purge Time	3
X Purge Rate	10
= Actual Purge Vol.	30

GROUNDWATER PARAMATER MEASUSREMENTS

	Time	Gallons	pH	Conductivity µmhos/cm	Temp. ☐ deg C ☐ deg F	Turbidity NTU	Color / Odor
Start	1:00	-	-	-	-	-	-
Vol 1	1:01	10	7.31	1938	26.3		Clear
Vol 2	1:02	20	7.45	1849	24.4		"
Vol 3	1:03	30	7.49	1841	23.1		"
Vol 4							
Vol 5							

Meter Type IQ Scientific

Purge Water Storage / Disposal
☒ Drummed onsite
☒ Onsite Treatment System
☐ Other

COMMENTS/purge:

WELL SAMPLING

Sampling Method

☒ Bailer - Type
☐ Pump - Type
☐ Other

Time	Sample ID	Org	Dup	Split	Blank	Container Type	Number of Containers	Preservative
1:03	MW-1					VOA, Glass	5	HCL, 4°C

COMMENTS/sampling:

1405 Kansas Ave.
Modesto, CA 95351

GeoAnalytical Laboratories, Inc.
Cert# 1157

Phone: (209) 572-0900
Fax: (209) 572-0916

Report # _____ **Field Log / Groundwater Sampling Form** Date 7-8-04

Client City of Patterson Well Name MW 2

Project Name Quarterly Well Type: ☒ Monitor ☐ Extraction ☐ Other _____

Consultant _____

Proj. Manager Rich Chrun/Ray Azevedo Sampler Rich & Ray

WELL PURGING

Purge Method

☒ Bailer - Type _____
☐ Pump - Type _____
☐ Other _____

Total Well Depth 31.4
Depth to Water 20.86
= Water Column Length 10.72

Multiplier

Well Casing I.D. (in.)	Gal/Ft.
(2.0)	0.1632
4.0	0.6527
6.0	1.4686

Purge Volume

Well Casing Diameter
☒ 2 - inch
☐ 4 - inch
☐ other _____

Well Volume Purged
☐ 3 volumes
☐ 4 volumes
☐ other _____

10.72 Water column length X .1632 Multiplier X 3 No. Volumes = 5.25 CALCULATED. Purge Vol.

5.25 Purge Vol / 2.5 Purge Rate = 2.10 TOTAL PURGE TIME

2.10 Total Purge Time / 3 # Volumes = .70 PURGE TIME/VOL.

Actual Values

Purge Time /Vol. 1
X
No. Volumes 3
=
Total Purge Time 3
X
Purge Rate 2.5
=
Actual Purge Vol. 7.5

GROUNDWATER PARAMATER MEASUREMENTS

	Time	Gallons	pH	Conductivity µmhos/cm	Temp. ☐ deg C ☐ deg F	Turbidity NIU	Color / Odor
Start	1:29	-	-	-	-	-	-
Vol 1	1:30	2.5	7.25	2.77 MS	24.2		clear
Vol 2	1:31	5	7.17	2.82 MS	22.5		"
Vol 3	1:32	7.5	7.20	2.86 MS	22.0		"
Vol 4							
Vol 5							

Meter Type IQ Scientific

Purge Water Storage / Disposal
☐ Drummed onsite
☐ Onsite Treatment System
☐ Other _____

COMMENTS/purge: _____

WELL SAMPLING

Sampling Method

☐ Bailer - Type _____
☒ Pump - Type _____
☐ Other _____

Time	Sample ID	Org	Dup	Split	Blank	Container Type	Number of Containers	Preservative
1:32	MW-2					VOA, Glass	5	HCL, 4°C

COMMENTS/sampling: _____

Report # _____ **Field Log / Groundwater Sampling Form** Date 7-8-04

Client City of Patterson Well Name MW-3

Project Name Quarterly Well Type : ☐ Monitor ☐ Extraction ☐ Other _____

Consultant _____

Proj. Manager Rich Chrun/Ray Azevedo Sampler Rick & Ray

WELL PURGING

Purge Method

☒ Bailer - Type _____
☐ Pump - Type _____
☐ Other _____

Total Well Depth 31.0
Depth to Water 20.04
= Water Column Length 10.96

Multiplier

Well Casing I.D. (in.)	Gal/Ft.
(2.0)	0.1632
4.0	0.6527
6.0	1.4686

Purge Volume

Well Casing Diameter
☒ 2 - inch
☐ 4 - inch
☐ other _____

Well Volume Purged
☐ 3 volumes
☐ 4 volumes
☐ other _____

10.96 Water column length × .1632 Multiplier × 3 No. Volumes = 5.37 CALCULATED. Purge Vol.

5.37 Purge Vol / 2.5 Purge Rate = 2.15 TOTAL PURGE TIME

2.15 Total Purge Time / 3 # Volumes = .72 PURGE TIME/VOL.

Actual Values

Purge Time /Vol.	1
X No. Volumes	3
= Total Purge Time	3
X Purge Rate	2.5
= Actual Purge Vol.	7.5

GROUNDWATER PARAMATER MEASUREMENTS

	Time	Gallons	pH	Conductivity µmhos/cm	Temp. ☐ deg C ☐ deg F	Turbidity NTU	Color / Odor
Start	2:05	-	-	-	-	-	-
Vol 1	2:06	2.5	7.4	1781 us	24.6		Clear
Vol 2	2:07	5	7.3	1814 us	22.9		"
Vol 3	2:08	7.5	7.2	1809 us	23.2		"
Vol 4							
Vol 5							

Meter Type IQ Scientific

Purge Water Storage / Disposal
☒ Drummed onsite
☐ Onsite Treatment System
☐ Other _____

COMMENTS/purge: _____

WELL SAMPLING

Sampling Method

☐ Bailer - Type _____
☒ Pump - Type _____
☐ Other _____

Time	Sample ID	Org	Dup	Split	Blank	Container Type	Number of Containers	Preservative
2:08	MW-3					VOA, Glass	5	HCL, 4°C

COMMENTS/sampling: _____

1405 Kansas Ave.
Modesto, CA 95351

GeoAnalytical Laboratories, Inc.
Cert# 1157

Phone: (209) 572-0900
Fax: (209) 572-0916

Report # _____

Field Log / Groundwater Sampling Form

Date 7-8-04

Client City of Patterson

Project Name Quarterly

Consultant _____

Proj. Manager Rich Chrun/Ray Azevedo

Well Name MW-4

Well Type: X Monitor ☐ Extraction ☐ Other _____

Sampler Rich & Ray

WELL PURGING

Purge Method

X Bailer - Type _____
Pump - Type _____
Other _____

Total Well Depth 31.0
Depth to Water 24.14
= Water Column Length 6.86

Multiplier

Well Casing I.D. (in.)	Gal/Ft.
(2.0)	0.1632
4.0	0.6527
6.0	1.4686

Purge Volume

Well Casing Diameter
X 2 - inch
4 - inch
other _____

Well Volume Purged
3 volumes
4 volumes
other _____

6.86 Water column length X 1632 Multiplier X 3 No. Volumes = 2.72 CALCULATED. Purge Vol.

2.72 Purge Vol / 2.5 Purge Rate = 1.08 TOTAL PURGE TIME

1.08 Total Purge Time / 3 # Volumes = 136 PURGE TIME/VOL.

Actual Values

Purge Time /Vol.	1
X No. Volumes	3
= Total Purge Time	3
X Purge Rate	2.5
= Actual Purge Vol.	7.5

GROUNDWATER PARAMATER MEASUSREMENTS

	Time	Gallons	pH	Conductivity µmhos/cm	Temp. ☐ deg C ☐ deg F	Turbidity NTU	Color / Odor
Start	1:53	-	-	-	-	-	-
Vol 1	1:54	2.5	6.92	1937 us	24.0		
Vol 2	1:55	5	6.94	1952 us	22.5		Clear
Vol 3	1:56	7.5	6.90	1963 us	21.7		"
Vol 4							
Vol 5							

Meter Type IQ Scientific

Purge Water Storage / Disposal
Drummed onsite
X Onsite Treatment System
Other _____

COMMENTS/purge: _____

WELL SAMPLING

Sampling Method

Bailer - Type _____
X Pump - Type _____
Other _____

Time	Sample ID	Org	Dup	Split	Blank	Container Type	Number of Containers	Preservative
1:56	MW-4					VOA, Glass	5	HCL, 4°C

COMMENTS/sampling: _____

1405 Kansas Ave.
Modesto, CA 95351

GeoAnalytical Laboratories, Inc.
Cert# 1157

Phone: (209) 572-0900
Fax: (209) 572-0916

Report # _____ **Field Log / Groundwater Sampling Form** Date 7-8-04

Client City of Patterson Well Name MW-5

Project Name Quarterly Well Type: ☐ Monitor ☐ Extraction ☐ Other _____

Consultant _____

Proj. Manager Rich Chrun/Ray Azevedo Sampler Rich & Ray

WELL PURGING

Purge Method

☐ Bailer - Type _____
☐ Pump - Type _____
☐ Other _____

Total Well Depth 31.0
Depth to Water 21.61
= Water Column Length 9.39

Multiplier

Well Casing I.D. (in.)	Gal/Ft.
(2.0)	0.1632
4.0	0.6527
6.0	1.4686

Purge Volume

Well Casing Diameter: ☒ 2 - inch ☐ 4 - inch ☐ other _____

Well Volume Purged: ☒ 3 volumes ☐ 4 volumes ☐ other _____

9.39 (Water column length) X .1632 (Multiplier) X 3 (No. Volumes) = 4.59 (CALCULATED. Purge Vol.)

4.59 (Purge Vol) / 2.5 (Purge Rate) = 1.83 (TOTAL PURGE TIME)

1.83 (Total Purge Time) / 3 (# Volumes) = .61 (PURGE TIME/VOL.)

Actual Values

Purge Time /Vol.	1
X No. Volumes	5
= Total Purge Time	3
X Purge Rate	2.5
= Actual Purge Vol.	7.5

GROUNDWATER PARAMATER MEASUREMENTS

	Time	Gallons	pH	Conductivity µmhos/cm	Temp. ☐ deg C ☐ deg F	Turbidity NTU	Color / Odor
Start	1:43	-	-	-	-	-	-
Vol 1	1:44	2.5	6.94	2.47 ms	25.8		clear
Vol 2	1:45	5	6.82	2.46 ms	22.7		1
Vol 3	1:46	7.5	6.79	2.44 ms	21.8		1
Vol 4							
Vol 5							

Meter Type IQ Scientific

Purge Water Storage / Disposal
☐ Drummed onsite
☒ Onsite Treatment System
☐ Other _____

COMMENTS/purge: _____

WELL SAMPLING

Sampling Method

☒ Bailer - Type _____
☐ Pump - Type _____
☐ Other _____

Time	Sample ID	Org	Dup	Split	Blank	Container Type	Number of Containers	Preservative
1:46	MW-5					VOA, Glass	5	HCL, 4°C

COMMENTS/sampling: _____

1405 Kansas Ave.
Modesto, CA 95351

GeoAnalytical Laboratories, Inc.
Cert# 1157

Phone: (209) 572-0900
Fax: (209) 572-0916

APPENDIX B
LABORATORY ANALYTICAL REPORT

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # Q190-26 **Date:** 7/15/04

City of Patterson
33 So. Del Puerto
Patterson CA 95363

Project: Quarterly Monitoring Wells

PO#

Date Rec'd: 7/08/04
Date Started: 7/08/04
Date Completed: 7/15/04

Date Sampled: 7/08/04
Time:
Sampler: R. Chrun (Geo)

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MW-1	Q304603	NA	150.1	pH	6.9	Std. Units
		1.0	120.1	Electro Conductivity (EC)	2270	µmhos/cm
		10	160.1	TDS (Filterable Residue)	1280	mg/L
		0.25	300.0	Nitrate as N	10	mg/L
MW-2	Q304604	NA	150.1	pH	6.4	Std. Units
		1.0	120.1	Electro Conductivity (EC)	3570	µmhos/cm
		10	160.1	TDS (Filterable Residue)	1850	mg/L
		0.25	300.0	Nitrate as N	7.3	mg/L
MW-3	Q304605	NA	150.1	pH	6.6	Std. Units
		1.0	120.1	Electro Conductivity (EC)	4990	µmhos/cm
		10	160.1	TDS (Filterable Residue)	2630	mg/L
		0.25	300.0	Nitrate as N	13	mg/L
MW-4	Q304606	NA	150.1	pH	6.6	Std. Units
		1.0	120.1	Electro Conductivity (EC)	2960	µmhos/cm
		10	160.1	TDS (Filterable Residue)	1410	mg/L
		0.25	300.0	Nitrate as N	ND	mg/L
MW-5	Q304607	NA	150.1	pH	6.6	Std. Units
		1.0	120.1	Electro Conductivity (EC)	3100	µmhos/cm
		10	160.1	TDS (Filterable Residue)	1540	mg/L
		0.25	300.0	Nitrate as N	12	mg/L

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # Q190-26

Date: 7/15/04

City of Patterson
33 So. Del Puerto
Patterson CA 95363

Project: Quarterly Monitoring Wells

PO#

Date Rec'd: 7/08/04
Date Started: 7/08/04
Date Completed: 7/15/04

Date Sampled: 7/08/04
Time:
Sampler: R. Chrun (Geo)

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
Mitigation Well	Q304608	NA	150.1	pH	6.9	Std. Units
		1.0	120.1	Electro Conductivity (EC)	2970	µmhos/cm
		10	160.1	TDS (Filterable Residue)	1520	mg/L
		0.25	300.0	Nitrate as N	4.6	mg/L

Rohit Bombaywala

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # Q190-26

Date: 7/13/04

City of Patterson
33 So. Del Puerto
Patterson CA 95363

Project: Quarterly Monitoring Wells

PO#

Date Rec'd: 7/08/04
Date Started: 7/08/04
Date Completed: 7/11/04

Date Sampled: 7/08/04
Time:
Sampler: R. Chrun (Geo)

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MW-1	Q304603	2	9221B,C	Total Coliform	<2	MPN/100ml
MW-2	Q304604	2	9221B,C	Total Coliform	<2	MPN/100ml
MW-3	Q304605	2	9221B,C	Total Coliform	<2	MPN/100ml
MW-4	Q304606	2	9221B,C	Total Coliform	<2	MPN/100ml
MW-5	Q304607	2	9221B,C	Total Coliform	<2	MPN/100ml
Mitigation Well	Q304608	2	9221B,C	Total Coliform	<2	MPN/100ml

Rohit Bombaywala

Donna Keller

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

port# Q190-26

QC REPORT

y of Patterson
So. Del Puerto
tterson CA 95363

alyte	Method	Batch #	Dates Analyzed	Orig.	Dupl.	MS %Rec	MSD %Rec	RPD	LCS %Rec	Blank	Comments
	150.1	I04410	7/12/04	7.5	7.5			0.0		NA	
Conductivity (EC)	120.1	I04451	7/14/04	2270	2270			0.0		NA	
ilterable Residue)	160.1	I04531	7/14/04-7/15/04	1280	1270			0.8		ND	
as N	300.0	I04362	7/08/04			98.1	96.5	0.5	94.8	ND	

CS/LCSD (see comments)

Rohit Bombaywala
Inorganic Supervisor

Certification # 1157

Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

eport# Q190-26

QC REPORT

ity of Patterson
3 So. Del Puerto
atterson CA 95363

nalyte	Method	Batch #	Dates Analyzed	Orig.	Dupl.	MS %Rec	MSD %Rec	RPD	LCS %Rec	Blank	Comments
Coliform	9221B,C	B00354	7/08/04-7/11/04	8	8			0.0		<2	

LCS/LCSD (see comments)

Rohit Bombaywala
Inorganic Supervisor

Certification # 1157

Donna Keller
Laboratory Director

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GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue
Modesto, CA 95351

Phone: (209) 572-0900
Fax: (209) 572-0916

Lab Report # 0190-26

Regulatory ☐ Yes ☐ No CC: ☐ Yes ☐ No

Regulator:

Client: City of Patterson
Address: 33 South Del Puerto Ave.
City Patterson, Ca. Zip 95363

Phone: (209) 892-8886
Fax: (209) 892-8993
Original To: Joel Cockrell
C.C To: Fax Bob Goodwin 916-631-0292

CHAIN OF CUSTODY

☐ EDF ☐ EDT
☒ FIELD LOGS

Project ID Quarterly Monitoring Wells

Sampled By (Print Name) Richard Chrun
(Signature) Richard Chrun

Date	Time	Sample type: Grab	Sample type: Comp	Matrix	Sample ID	Container: Type	Container: Size	No. Of Containers	ANALYSIS: PH, EC, TDS	ANALYSIS: NO3 as NO3	ANALYSIS: Bacti (MPN)	Remarks	Lab Use Only: Lab ID #	Lab Use Only: Preservative
7-8-04	1:03	X		WW	MW-1	P	Litre/100	2	X	X	X		0204603	
	1:32	X		WW	MW-2	P	Litre/100	2	X	X	X		0204604	
	2:08	X		WW	MW-3	P	Litre/100	2	X	X	X		0204605	
	1:56	X		WW	MW-4	P	Litre/100	2	X	X	X		0204606	
	1:46	X		WW	MW-5	P	Litre/100	2	X	X	X		0204607	
	1:55	X		WW	Mitigation Well	P	Litre/100	2	X	X	X		0204608	

Remarks

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
Richard Chrun	7-8-04	2:45	Linda Padilla	7/8/04	245
Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time

Preservative: 1 4°C 2 HCL 3 NaOH 4 $Na_2S_2O_3$ 5 HNO_3 6 H_2SO_4 7 Other _____

Matrix: DW Drinking Water WW Waste Water HWW Hazardous Waste (Water) S Soil/Solid

Bailers _____ 55 Gallon Drums _____

Pump Truck ☒ Time 5 Day Mileage 54 miles

Turnaround Time ☐ Standard ☐ Silver Rush ☐ Gold Rush ☐ Platinum Rush ☐ Other

Approved By: _____