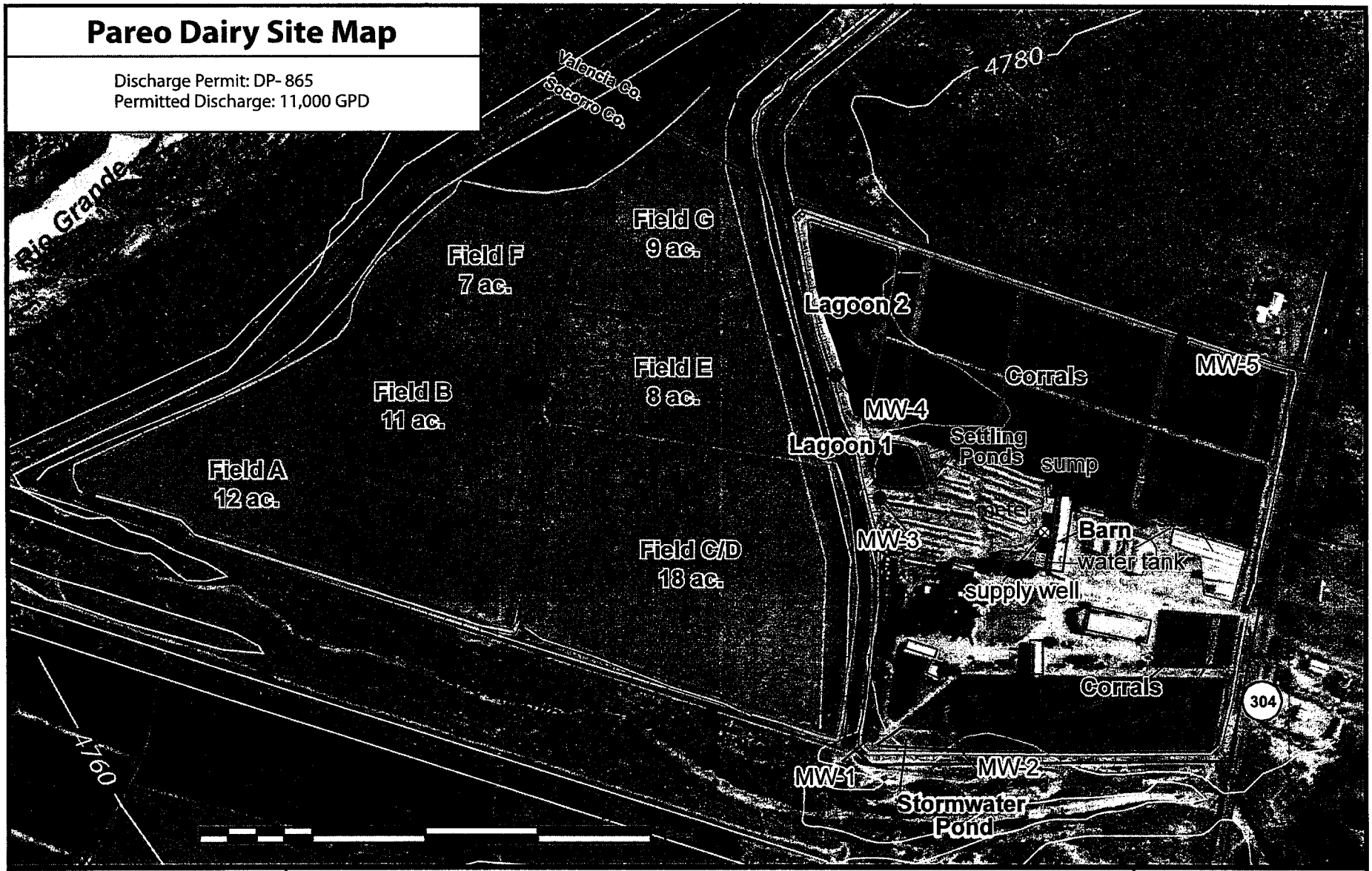
DP-865

Pareo Dairy Site Map

Discharge Permit: DP- 865
Permitted Discharge: 11,000 GPD



Legend

- Monitoring well
- Supply well
- Field, land application area
- Green water lagoon and settling ponds, synthetically lined
- Evaporation Lagoon, synthetically lined
- Sump / holding tank
- Stormwater Pond
- Corral / Pen
- Barn
- Feed storage
- Berms
- Green water pipeline
- Direction of surface flow
- Property boundaries

1433 Hwy. 304, Veguita, NM 87002
(505) 864-8103

Valencia and Socorro Counties, NM

Belen and Casa Colorada Grants; (projected) T 04 N, R 02 E, Section 31 and 32

34°31'42"
106°45'55"

N

Elevation contours, ft above MSL

GROUND WATER

GLORIETA GEOSCIENCE, INC.
P.O. Box 5727, Santa Fe, NM 87502
(505) 983-5446 Fax (505) 983-6482
www.glorietageo.com

LAND USE

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW1
Lab Order:	0910372	**Collection Date:**	10/20/2009 2:07:00 PM
Project:	Pareo Dairy	**Date Received:**	10/20/2009
Lab ID:	0910372-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	23	0.50		mg/L	5	10/21/2009 4:43:53 PM
Nitrogen, Nitrate (As N)	1.2	0.50		mg/L	5	10/21/2009 4:43:53 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	332	20.0		mg/L	1	10/28/2009 3:45:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/27/2009 2:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW2
Lab Order:	0910372	**Collection Date:**	10/20/2009 2:50:00 PM
Project:	Pareo Dairy	**Date Received:**	10/20/2009
Lab ID:	0910372-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	23	1.0		mg/L	10	10/21/2009 5:18:42 PM
Nitrogen, Nitrate (As N)	1.5	0.10		mg/L	1	10/21/2009 5:01:18 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	450	20.0		mg/L	1	10/28/2009 3:45:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/27/2009 2:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW3
Lab Order:	0910372	**Collection Date:**	10/20/2009 1:20:00 PM
Project:	Pareo Dairy	**Date Received:**	10/20/2009
Lab ID:	0910372-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	21	1.0		mg/L	10	10/21/2009 4:26:29 PM
Nitrogen, Nitrate (As N)	0.69	0.10		mg/L	1	10/21/2009 4:09:05 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	300	20.0		mg/L	1	10/28/2009 3:45:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/27/2009 2:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW4
Lab Order:	0910372	**Collection Date:**	10/20/2009 12:36:00 PM
Project:	Pareo Dairy	**Date Received:**	10/20/2009
Lab ID:	0910372-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	24	1.0		mg/L	10	10/21/2009 3:51:40 PM
Nitrogen, Nitrate (As N)	0.50	0.10		mg/L	1	10/21/2009 3:34:15 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	498	20.0		mg/L	1	10/28/2009 3:45:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/27/2009 2:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

GROUND WATER

JAN 0 4 2010

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-09*

CLIENT: Glorieta GeoScience
Lab Order: 0910372
Project: Pareo Dairy
Lab ID: 0910372-01

Client Sample ID: MW5
Collection Date: 10/20/2009 11:56:00 AM
Date Received: 10/20/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	40	1.0		mg/L	10	10/21/2009 3:16:50 PM
Nitrogen, Nitrate (As N)	0.65	0.10		mg/L	1	10/21/2009 2:59:26 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SNV**
Total Dissolved Solids	480	20.0		mg/L	1	10/23/2009 11:40:00 AM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/27/2009 2:30:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0907106	**Collection Date:**	7/6/2009 12:25:00 PM
Project:	Pareo Dairy	**Date Received:**	7/7/2009
Lab ID:	0907106-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	22	1.0		mg/L	10	7/9/2009 3:07:48 PM
Nitrogen, Nitrate (As N)	1.1	0.10		mg/L	1	7/8/2009 10:42:26 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	350	20		mg/L	1	7/8/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/14/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-2
Lab Order:	0907106	**Collection Date:**	7/6/2009 12:37:00 PM
Project:	Pareo Dairy	**Date Received:**	7/7/2009
Lab ID:	0907106-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	21	1.0		mg/L	10	7/9/2009 2:50:23 PM
Nitrogen, Nitrate (As N)	0.95	0.10		mg/L	1	7/8/2009 10:59:51 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	330	20		mg/L	1	7/8/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/14/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907106
Project: Pareo Dairy
Lab ID: 0907106-03

Client Sample ID: MW-3
Collection Date: 7/6/2009 2:13:00 PM
Date Received: 7/7/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	21	1.0		mg/L	10	7/8/2009 12:09:29 PM
Nitrogen, Nitrate (As N)	0.65	0.10		mg/L	1	7/8/2009 11:52:05 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	290	20		mg/L	1	7/8/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/14/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907106
Project: Pareo Dairy
Lab ID: 0907106-04

Client Sample ID: MW-4
Collection Date: 7/6/2009 2:46:00 PM
Date Received: 7/7/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: TAF
EPA METHOD 300.0: ANIONS						
Chloride	24	1.0		mg/L	10	7/8/2009 1:19:09 PM
Nitrogen, Nitrate (As N)	0.31	0.10		mg/L	1	7/8/2009 12:26:54 PM
						Analyst: KMS
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	880	20		mg/L	1	7/8/2009
						Analyst: LJB
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	7/14/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0907106	**Collection Date:**	7/6/2009 3:19:00 PM
Project:	Pareo Dairy	**Date Received:**	7/7/2009
Lab ID:	0907106-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	24	1.0		mg/L	10	7/8/2009 1:53:57 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/9/2009 6:19:20 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	340	20		mg/L	1	7/8/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/14/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Apr-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0903491	**Collection Date:**	3/30/2009 1:43:00 PM
Project:	Pareo Dairy	**Date Received:**	3/31/2009
Lab ID:	0903491-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAGS
EPA METHOD 300.0: ANIONS						
Chloride	22	0.10		mg/L	1	4/1/2009 10:24:12 AM
Nitrogen, Nitrate (As N)	1.5	0.10		mg/L	1	4/1/2009 10:24:12 AM
						Analyst: JAT
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	350	40		mg/L	1	3/9/2004
						Analyst: KMS
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/4/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Apr-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-2
Lab Order:	0903491	**Collection Date:**	3/30/2009 2:24:00 PM
Project:	Pareo Dairy	**Date Received:**	3/31/2009
Lab ID:	0903491-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	21	0.10		mg/L	1	4/1/2009 8:39:45 AM
Nitrogen, Nitrate (As N)	1.2	0.10		mg/L	1	4/1/2009 8:39:45 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JAT
Total Dissolved Solids	320	40		mg/L	1	3/9/2004
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/4/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Apr-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0903491	**Collection Date:**	3/30/2009 12:39:00 PM
Project:	Pareo Dairy	**Date Received:**	3/31/2009
Lab ID:	0903491-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	21	0.10		mg/L	1	4/1/2009 11:33:49 AM
Nitrogen, Nitrate (As N)	0.78	0.10		mg/L	1	4/1/2009 11:33:49 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JAT**
Total Dissolved Solids	290	20		mg/L	1	3/9/2004
SM 4500 NORG C: TKN						Analyst: **KMS**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/4/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Apr-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-4
Lab Order:	0903491	**Collection Date:**	3/30/2009 1:05:00 PM
Project:	Pareo Dairy	**Date Received:**	3/31/2009
Lab ID:	0903491-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	34	0.10		mg/L	1	4/1/2009 9:14:34 AM
Nitrogen, Nitrate (As N)	2.9	0.10		mg/L	1	4/1/2009 9:14:34 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JAT
Total Dissolved Solids	870	67		mg/L	1	3/9/2004
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	1.3	1.0		mg/L	1	4/4/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Apr-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0903491	**Collection Date:**	3/30/2009 10:55:00 AM
Project:	Pareo Dairy	**Date Received:**	3/31/2009
Lab ID:	0903491-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	24	0.10		mg/L	1	4/1/2009 9:49:22 AM
Nitrogen, Nitrate (As N)	0.93	0.10		mg/L	1	4/1/2009 9:49:22 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JAT
Total Dissolved Solids	400	40		mg/L	1	3/9/2004
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	4/4/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0901269	**Collection Date:**	1/20/2009 5:09:00 PM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	21	0.10		mg/L	1	1/21/2009 1:54:38 PM
Nitrogen, Nitrate (As N)	1.3	0.10		mg/L	1	1/21/2009 1:54:38 PM
SM 2540 C: TOTAL D						Analyst: **KMS**
Total Dissolved Solids	Mar 09	20		mg/L	1	1/21/2009
SM 4500 NORG C: T						Analyst: **TAF**
Nitrogen, Kjeldahl, Tot		1.0		mg/L	1	1/23/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-2
Lab Order:	0901269	**Collection Date:**	1/20/2009 4:25:00 PM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	21	0.10		mg/L	1	1/21/2009 12:44:59 PM
Nitrogen, Nitrate (As N)	1.2	0.10		mg/L	1	1/21/2009 12:44:59 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	350	20		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/23/2009

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0901269	**Collection Date:**	1/20/2009 3:13:00 PM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	21	0.10		mg/L	1	1/21/2009 11:35:21 AM
Nitrogen, Nitrate (As N)	0.96	0.10		mg/L	1	1/21/2009 11:35:21 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	290	20		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/23/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-4
Lab Order:	0901269	**Collection Date:**	1/20/2009 1:10:00 PM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	31	0.10		mg/L	1	1/21/2009 11:00:31 AM
Nitrogen, Nitrate (As N)	2.3	0.10		mg/L	1	1/21/2009 11:00:31 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	860	100		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	1/23/2009

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

GROUND WATER

MAR 2 7 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT: Glorieta GeoScience
Lab Order: 0901269
Project: Pareo Dairy
Lab ID: 0901269-01

Client Sample ID: MW-5
Collection Date: 1/20/2009 11:07:00 AM
Date Received: 1/21/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	38	0.10		mg/L	1	1/21/2009 9:50:53 AM
Nitrogen, Nitrate (As N)	0.90	0.10		mg/L	1	1/21/2009 9:50:53 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	570	40		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/23/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907106
Project: Pareo Dairy
Lab ID: 0907106-06

Client Sample ID: Lagoon
Collection Date: 7/6/2009 3:51:00 PM
Date Received: 7/7/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: RAGS
EPA METHOD 300.0: ANIONS						
Chloride	2000	20		mg/L	200	7/11/2009 6:22:51 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	7/8/2009 2:11:22 PM
						Analyst: KMS
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	27000	2000		mg/L	1	7/8/2009
						Analyst: LJB
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	1100	20		mg/L	1	7/14/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0901269	**Collection Date:**	1/20/2009 12:00:00 PM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	670	5.0		mg/L	50	1/21/2009 1:37:13 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	1/21/2009 1:19:48 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	11000	2000		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	1400	20		mg/L	1	1/23/2009

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

GROUND WATER

MAR 2 7 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0901269	**Collection Date:**	1/20/2009 11:07:00 AM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	38	0.10		mg/L	1	1/21/2009 9:50:53 AM
Nitrogen, Nitrate (As N)	0.90	0.10		mg/L	1	1/21/2009 9:50:53 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	570	40		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	1/23/2009

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Aug-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0807181	**Collection Date:**	7/14/2008 5:05:00 PM
Project:	Pareo Dairy	**Date Received:**	7/15/2008
Lab ID:	0807181-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Chloride	1500	5.0		mg/L	50	7/29/2008 1:34:55 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	7/16/2008 2:34:02 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	20000	2000		mg/L	1	7/16/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	400	20		mg/L	1	7/21/2008

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Feb-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0801322	**Collection Date:**	1/29/2008 4:23:00 PM
Project:	Pareo Dairy	**Date Received:**	1/30/2008
Lab ID:	0801322-06	**Matrix:**	AQUBOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	1200	5.0		mg/L	50	1/31/2008 3:26:00 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	1/30/2008 11:07:41 PM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	15000	2000		mg/L	1	2/1/2008
SM4500-NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	920	20		mg/L	1	2/4/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

DP-865

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Aug-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0807181	**Collection Date:**	7/14/2008 5:05:00 PM
Project:	Pareo Dairy	**Date Received:**	7/15/2008
Lab ID:	0807181-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Chloride	1500	5.0		mg/L	50	7/29/2008 1:34:55 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	7/16/2008 2:34:02 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	20000	2000		mg/L	1	7/16/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	400	20		mg/L	1	7/21/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Lowest WW

DP-865

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0901269	**Collection Date:**	1/20/2009 12:00:00 PM
Project:	Pareo Dairy	**Date Received:**	1/21/2009
Lab ID:	0901269-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	670	5.0		mg/L	50	1/21/2009 1:37:13 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	1/21/2009 1:19:48 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	11000	2000		mg/L	1	1/21/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	1400	20		mg/L	1	1/23/2009

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Highest WW

76 82 DP-865

Environmental Analysis Laboratory, Inc.

Date: *26-Mar-07*

CLIENT: Glorieta GeoScience
Lab Order: 0703198
Project: Pareo Dairy
Lab ID: 0703198-04

Client Sample ID: MW-4
Collection Date: 3/14/2007 9:53:00 AM
Date Received: 3/14/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TES**
Chloride	56	0.50		mg/L	5	3/17/2007 7:01:22 AM
Nitrogen, Nitrate (As N)	8.2	0.10		mg/L	1	3/15/2007 4:25:22 PM
EPA METHOD 160.1: TDS						Analyst: **KS**
Total Dissolved Solids	970	20		mg/L	1	3/19/2007
EPA METHOD 351.3: TKN						Analyst: **MAP**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/23/2007

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Highest GW: MW-4
Combo Lagoon (old SW Pond)

DP-865

Environmental Analysis Laboratory, Inc.

Date: *26-Mar-07*

CLIENT: Glorieta GeoScience
Lab Order: 0703198
Project: Pareo Dairy
Lab ID: 0703198-05

Client Sample ID: MW-5
Collection Date: 3/14/2007 9:28:00 AM
Date Received: 3/14/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TES**
Chloride	25	0.10		mg/L	1	3/15/2007 4:42:47 PM
Nitrogen, Nitrate (As N)	0.76	0.10		mg/L	1	3/15/2007 4:42:47 PM
EPA METHOD 160.1: TDS						Analyst: **KS**
Total Dissolved Solids	300	20		mg/L	1	3/19/2007
EPA METHOD 351.3: TKN						Analyst: **MAP**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/23/2007

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		