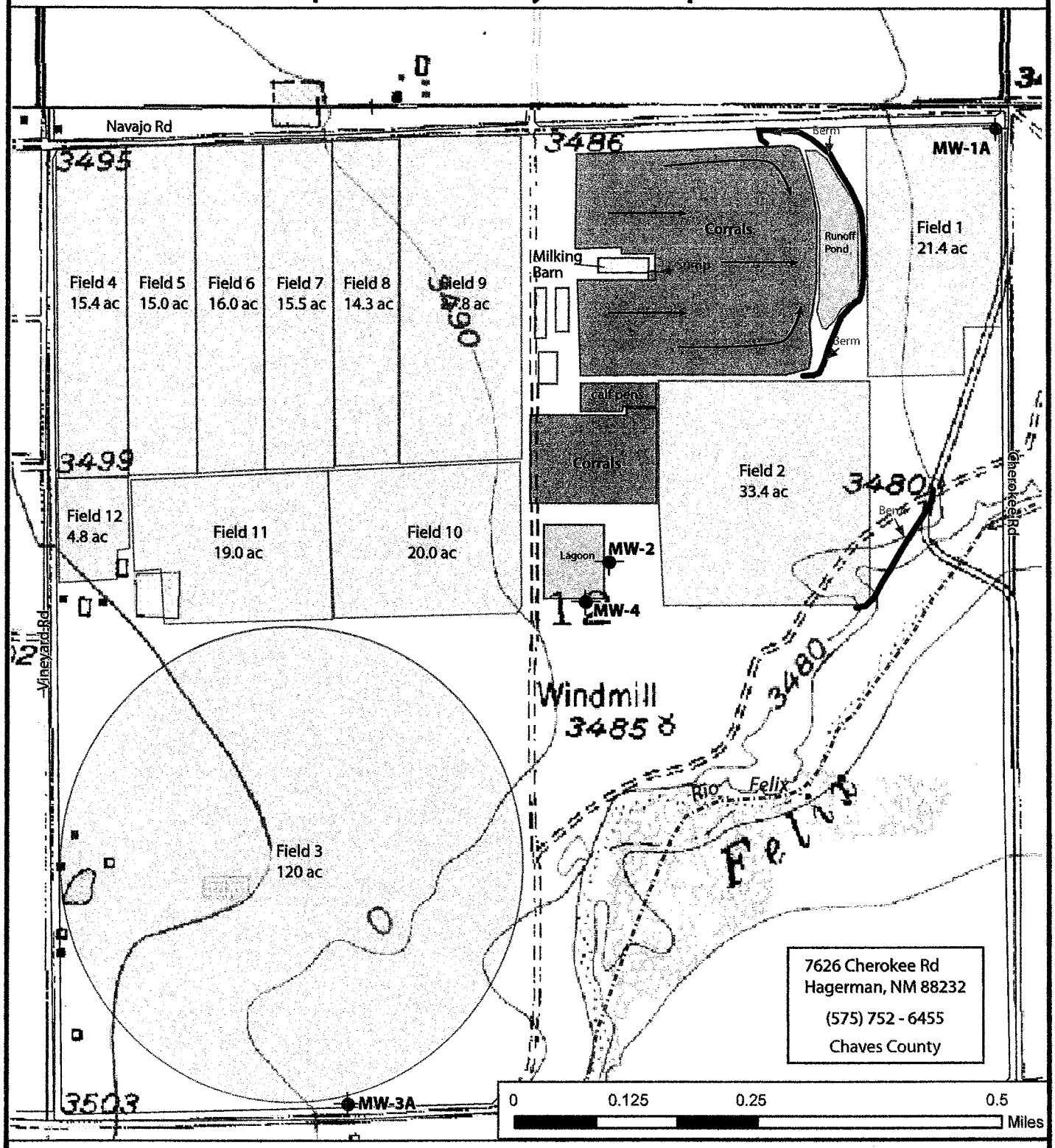
Epicenter Dairy Site Map



Discharge permit: DP-717
Permitted Discharge: 48,000 GPD

T14S, R25E, Sec 12
33°07'29", 104°23'44"

N

Monitoring well

Direction of Surface Flow

GLORIETA GEOSCIENCE, INC.
P.O. Box 5727 Santa Fe, NM 87502
(505) 983-5446 Fax (505) 983-6482
E-mail: ggi@glorietageo.com
Web Address: www.glorietageo.com

DP-717

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

GROUND WATER

JAN 05 2009

BUREAU

December 28, 2008

Ms. Shawna Clark
New Mexico Environment Department
Ground Water Quality Bureau
Ground Water Pollution Prevention Section
P. O. Box 26110
Santa Fe, NM 87502

ENTERED

RE: Quarterly Monitoring Report, 4th Quarter 2008, Epicenter Dairy, DP 717

Dear Ms. Clark,

Enclosed please find Epicenter Diary's quarterly monitoring report for the 4th Quarter 2008. The following are the items submitted by Glorieta Geoscience, Inc., (GGI).

1. Site map (enclosed).
2. Monitoring well static water levels were measured by GGI and are given below.

Date	Well #	Depth to Water (ft) Below top of casing
November 5, 2008	MW 1A	146.52
November 5, 2008	MW 2	Destroyed
November 5, 2008	MW 3A	206.50
November 5, 2008	MW 4	187.15

3. Analytical results from Epicenter dairy's four on-site monitoring wells are summarized in the following table. HALL Environmental laboratory report is attached. Please note MW2 was destroyed and therefore could not be sampled.

Date Collected	Well #	TDS (mg/l)	Cl (mg/l)	TKN (mg/l)	NO3-N (mg/l)
November 5, 2008	MW 1A	1700	95	ND	4.8
November 5, 2008	MW 3A	3500	460	ND	14
November 5, 2008	MW 4	1400	130	ND	4.8

ND – Not Detected at the Reporting Limit

Please contact me at 505-983-5446 x 107 with any questions regarding this submittal.

Thank you.

Very truly yours,

Traci Folmar
Agronomist

Cc:
Bruce Smith, Epicenter Dairy
2657 Vineyard Rd
Hagerman, NM 88232

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Mar-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #3A
Lab Order:	0903146	**Collection Date:**	3/10/2009 10:05:00 AM
Project:	Epicenter Dairy	**Date Received:**	3/11/2009
Lab ID:	0903146-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	530	2.0		mg/L	20	3/16/2009 3:45:03 PM
Nitrogen, Nitrate (As N)	15	0.10		mg/L	1	3/11/2009 6:58:10 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: DMG
Total Dissolved Solids	2700	200		mg/L	1	3/13/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	3/16/2009

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		

DP-717

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Mar-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #4
Lab Order:	0903146	**Collection Date:**	3/10/2009 9:45:00 AM
Project:	Epicenter Dairy	**Date Received:**	3/11/2009
Lab ID:	0903146-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: IC
Chloride	250	1.0		mg/L	10	3/11/2009 6:40:45 PM
Nitrogen, Nitrate (As N)	4.7	0.10		mg/L	1	3/11/2009 6:23:21 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: DMG
Total Dissolved Solids	1700	100		mg/L	1	3/13/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	3/16/2009

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		

DP-717

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Mar-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #1
Lab Order:	0902242	**Collection Date:**	2/22/2009 9:17:00 AM
Project:	Epicenter Dairy	**Date Received:**	2/24/2009
Lab ID:	0902242-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	110	1.0		mg/L	10	2/24/2009 6:47:30 PM
Nitrate (As N)+Nitrite (As N)	4.7	1.0		mg/L	5	2/24/2009 7:04:55 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: DMG
Total Dissolved Solids	1600	100		mg/L	1	2/27/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	2/27/2009

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: *03-Mar-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0902242	**Collection Date:**	2/22/2009 9:50:00 AM
Project:	Epicenter Dairy	**Date Received:**	2/24/2009
Lab ID:	0902242-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						**Analyst: RAGS**
Chloride	590	2.0		mg/L	20	2/24/2009 7:57:09 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	2/24/2009 8:14:33 PM
SM 2540 C: TOTAL DISSOLVED SOLIDS						**Analyst: DMG**
Total Dissolved Solids	4200	400		mg/L	1	2/27/2009
SM 4500 NORG C: TKN						**Analyst: TAF**
Nitrogen, Kjeldahl, Total	220	5.0		mg/L	1	2/27/2009

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		

DP-717

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Thursday, November 20, 2008

Reddy Ganta
Glorieta GeoScience
P.O. Box 5727
Santa Fe, NM 87502

TEL: (505) 983-5446
FAX (505) 983-6482

RE: Epicenter Dairy

Order No.: 0811054

Dear Reddy Ganta:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/6/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0811054	**Collection Date:**	11/5/2008 9:48:00 AM
Project:	Epicenter Dairy	**Date Received:**	11/6/2008
Lab ID:	0811054-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	95	1.0		mg/L	10	11/18/2008 5:02:10 PM
Nitrogen, Nitrate (As N)	4.8	0.10		mg/L	1	11/7/2008 1:10:43 AM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	1700	20		mg/L	1	11/11/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	11/13/2008

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		

DP-717

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0811054	**Collection Date:**	11/5/2008 10:41:00 AM
Project:	Epicenter Dairy	**Date Received:**	11/6/2008
Lab ID:	0811054-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	460	2.0		mg/L	20	11/18/2008 5:19:35 PM
Nitrogen, Nitrate (As N)	14	0.10		mg/L	1	11/7/2008 1:28:07 AM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	3500	20		mg/L	1	11/11/2008
SM 4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	11/13/2008

GROUND WATER

JAN 0 5 2009

BUREAU

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: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-4
Lab Order:	0811054	**Collection Date:**	11/5/2008 10:19:00 AM
Project:	Epicenter Dairy	**Date Received:**	11/6/2008
Lab ID:	0811054-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	130	2.0		mg/L	20	11/18/2008 5:37:00 PM
Nitrogen, Nitrate (As N)	4.8	0.10		mg/L	1	11/7/2008 1:45:31 AM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	1400	200		mg/L	1	11/11/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	11/13/2008

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		

DP-717
GROUND WAT
JUL 03 2008
BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-08*

CLIENT: Glorieta GeoScience
Lab Order: 0805290
Project: Epicenter Dairy
Lab ID: 0805290-01

Client Sample ID: MW #1
Collection Date: 5/19/2008 6:13:00 PM
Date Received: 5/21/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	100	1.0		mg/L	10	5/21/2008 11:21:49 AM
Nitrogen, Nitrate (As N)	4.8	0.10		mg/L	1	5/21/2008 10:29:34 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	1700	20		mg/L	1	5/22/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	5/30/2008

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: *02-Jun-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #4
Lab Order:	0805290	**Collection Date:**	5/19/2008 6:32:00 PM
Project:	Epicenter Dairy	**Date Received:**	5/21/2008
Lab ID:	0805290-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	180	1.0		mg/L	10	5/21/2008 11:56:38 AM
Nitrogen, Nitrate (As N)	3.6	0.10		mg/L	1	5/21/2008 11:39:14 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	1600	20		mg/L	1	5/22/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/30/2008

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-717

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #2
Lab Order:	0805290	**Collection Date:**	5/19/2008 7:13:00 PM
Project:	Epicenter Dairy	**Date Received:**	5/21/2008
Lab ID:	0805290-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	370	1.0		mg/L	10	5/21/2008 12:14:03 PM
Nitrogen, Nitrate (As N)	14	1.0		mg/L	10	5/21/2008 12:14:03 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	2600	20		mg/L	1	5/22/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	5/30/2008

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: *02-Jun-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0805290	**Collection Date:**	5/19/2008 6:22:00 PM
Project:	Epicenter Dairy	**Date Received:**	5/21/2008
Lab ID:	0805290-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	590	2.0		mg/L	20	5/21/2008 5:27:23 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/21/2008 1:23:41 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	5000	1000		mg/L	1	5/23/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	410	20		mg/L	1	5/30/2008

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-717

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #3A
Lab Order:	0805290	**Collection Date:**	5/20/2008 9:00:00 AM
Project:	Epicenter Dairy	**Date Received:**	5/21/2008
Lab ID:	0805290-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	580	2.0		mg/L	20	5/21/2008 5:44:48 PM
Nitrogen, Nitrate (As N)	14	1.0		mg/L	10	5/21/2008 1:58:29 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3700	20		mg/L	1	5/23/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	5/30/2008

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		

QA/QC SUMMARY REPORT

Client: Glorieta GeoScience
Project: Epicenter Dairy

Work Order: 0805290

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R28630**	Analysis Date:	5/21/2008 9:54:46 AM	
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Sample ID: LCS		*LCS*			Batch ID:	**R28630**	Analysis Date:	5/21/2008 10:12:10 AM	
Chloride	4.777	mg/L	0.10	95.5	90	110			
Nitrogen, Nitrate (As N)	2.441	mg/L	0.10	97.7	90	110			
Method: SM 2540C Total Dissolved Solids									
Sample ID: MB-16012		*MBLK*			Batch ID:	**16012**	Analysis Date:	5/22/2008	
Total Dissolved Solids	ND	mg/L	20						
Sample ID: MB-16018		*MBLK*			Batch ID:	**16018**	Analysis Date:	5/23/2008	
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-16012		*LCS*			Batch ID:	**16012**	Analysis Date:	5/22/2008	
Total Dissolved Solids	1014	mg/L	20	101	80	120			
Sample ID: LCS-16018		*LCS*			Batch ID:	**16018**	Analysis Date:	5/23/2008	
Total Dissolved Solids	1013	mg/L	20	101	80	120			
Method: SM4500-Norg C: TKN									
Sample ID: MB-16025		*MBLK*			Batch ID:	**16025**	Analysis Date:	5/30/2008	
Nitrogen, Kjeldahl, Total	ND	mg/L	1.0						
Sample ID: LCS-16025		*LCS*			Batch ID:	**16025**	Analysis Date:	5/30/2008	
Nitrogen, Kjeldahl, Total	10.22	mg/L	1.0	102	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

4-22-08

DP-717

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, March 10, 2008

Reddy Ganta
Glorieta GeoScience
P.O. Box 5727
Santa Fe, NM 87502

TEL: (505) 983-5446
FAX (505) 983-6482

RECEIVED
APR 16 2008
BY:

RE: Epicenter Dairy

Order No.: 0803001

Dear Reddy Ganta:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 3/3/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #1
Lab Order:	0803001	**Collection Date:**	2/29/2008 11:25:00 AM
Project:	Epicenter Dairy	**Date Received:**	3/3/2008
Lab ID:	0803001-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	100	1.0		mg/L	10	3/5/2008 8:42:22 PM
Nitrate (As N)+Nitrite (As N)	4.7	1.0		mg/L	5	3/3/2008 9:42:48 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	1700	20		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/4/2008

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-717

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #4
Lab Order:	0803001	**Collection Date:**	2/29/2008 12:15:00 PM
Project:	Epicenter Dairy	**Date Received:**	3/3/2008
Lab ID:	0803001-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	200	1.0		mg/L	10	3/5/2008 8:59:47 PM
Nitrate (As N)+Nitrite (As N)	4.2	1.0		mg/L	5	3/3/2008 10:00:12 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	1700	100		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/4/2008

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0803001	**Collection Date:**	2/29/2008 12:26:00 PM
Project:	Epicenter Dairy	**Date Received:**	3/3/2008
Lab ID:	0803001-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	690	2.0		mg/L	20	3/5/2008 9:17:12 PM
Nitrate (As N)+Nitrite (As N)	2.2	1.0		mg/L	5	3/3/2008 10:17:36 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	6200	400		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	170	20		mg/L	1	3/4/2008

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-717

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #3a
Lab Order:	0803001	**Collection Date:**	2/29/2008 12:58:00 PM
Project:	Epicenter Dairy	**Date Received:**	3/3/2008
Lab ID:	0803001-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	400	2.0		mg/L	20	3/5/2008 9:34:36 PM
Nitrate (As N)+Nitrite (As N)	21	1.0		mg/L	5	3/3/2008 10:35:00 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	3000	200		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/4/2008

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		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #2
Lab Order:	0803001	**Collection Date:**	2/29/2008 1:35:00 PM
Project:	Epicenter Dairy	**Date Received:**	3/3/2008
Lab ID:	0803001-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	540	2.0		mg/L	20	3/7/2008 12:53:10 PM
Nitrate (As N)+Nitrite (As N)	14	1.0		mg/L	5	3/3/2008 10:52:25 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	3600	20		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/4/2008

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-717

Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

ENT: Glorieta GeoScience
Lab Order: 0803001
Project: Epicenter Dairy
Lab ID: 0803001-04

Client Sample ID: MW #3a
Collection Date: 2/29/2008 12:58:00 PM
Date Received: 3/3/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	400	2.0		mg/L	20	3/5/2008 9:34:36 PM
Nitrate (As N)+Nitrite (As N)	21	1.0		mg/L	5	3/3/2008 10:35:00 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	3000	200		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/4/2008

Highest N on Record MW-3A monitors WAA

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jun-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0805290	**Collection Date:**	5/19/2008 6:22:00 PM
Project:	Epicenter Dairy	**Date Received:**	5/21/2008
Lab ID:	0805290-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	590	2.0		mg/L	20	5/21/2008 5:27:23 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	5/21/2008 1:23:41 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	5000	1000		mg/L	1	5/23/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	410	20		mg/L	1	5/30/2008

Highest TKN

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-07*

CLIENT: Glorieta GeoScience
Lab Order: 0706030
Project: Epicenter Dairy
Lab ID: 0706030-05

Client Sample ID: Lagoon
Collection Date: 6/1/2007 10:20:00 AM
Date Received: 6/1/2007
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: KS
Chloride	530	2.0		mg/L	20	6/3/2007 12:08:44 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	6/3/2007 12:08:44 AM
EPA METHOD 160.1: TDS						Analyst: TAF
Total Dissolved Solids	4600	400		mg/L	1	6/6/2007
EPA METHOD 351.3: TKN						Analyst: CMS
Nitrogen, Kjeldahl, Total	36	10		mg/L	1	6/14/2007

Lowest TKN

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Mar-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #1
Lab Order:	0803001	**Collection Date:**	2/29/2008 11:25:00 AM
Project:	Epicenter Dairy	**Date Received:**	3/3/2008
Lab ID:	0803001-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	100	1.0		mg/L	10	3/5/2008 8:42:22 PM
Nitrate (As N)+Nitrite (As N)	4.7	1.0		mg/L	5	3/3/2008 9:42:48 AM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	1700	20		mg/L	1	3/3/2008
SM4500-NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/4/2008

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Upgradient MW associated with the highest NO_3-N reported

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: *27-Nov-07*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0711213	**Collection Date:**	11/12/2007 1:00:00 PM
Project:	Epicenter Dairy	**Date Received:**	11/13/2007
Lab ID:	0711213-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: KS
Chloride	830	5.0		mg/L	50	11/14/2007 12:20:39 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	11/13/2007 3:06:53 PM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	4600	1000		mg/L	1	11/15/2007
SM4500-NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	260	10		mg/L	1	11/26/2007

DP-717
Recent Wastewater
TKN Analysis

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		