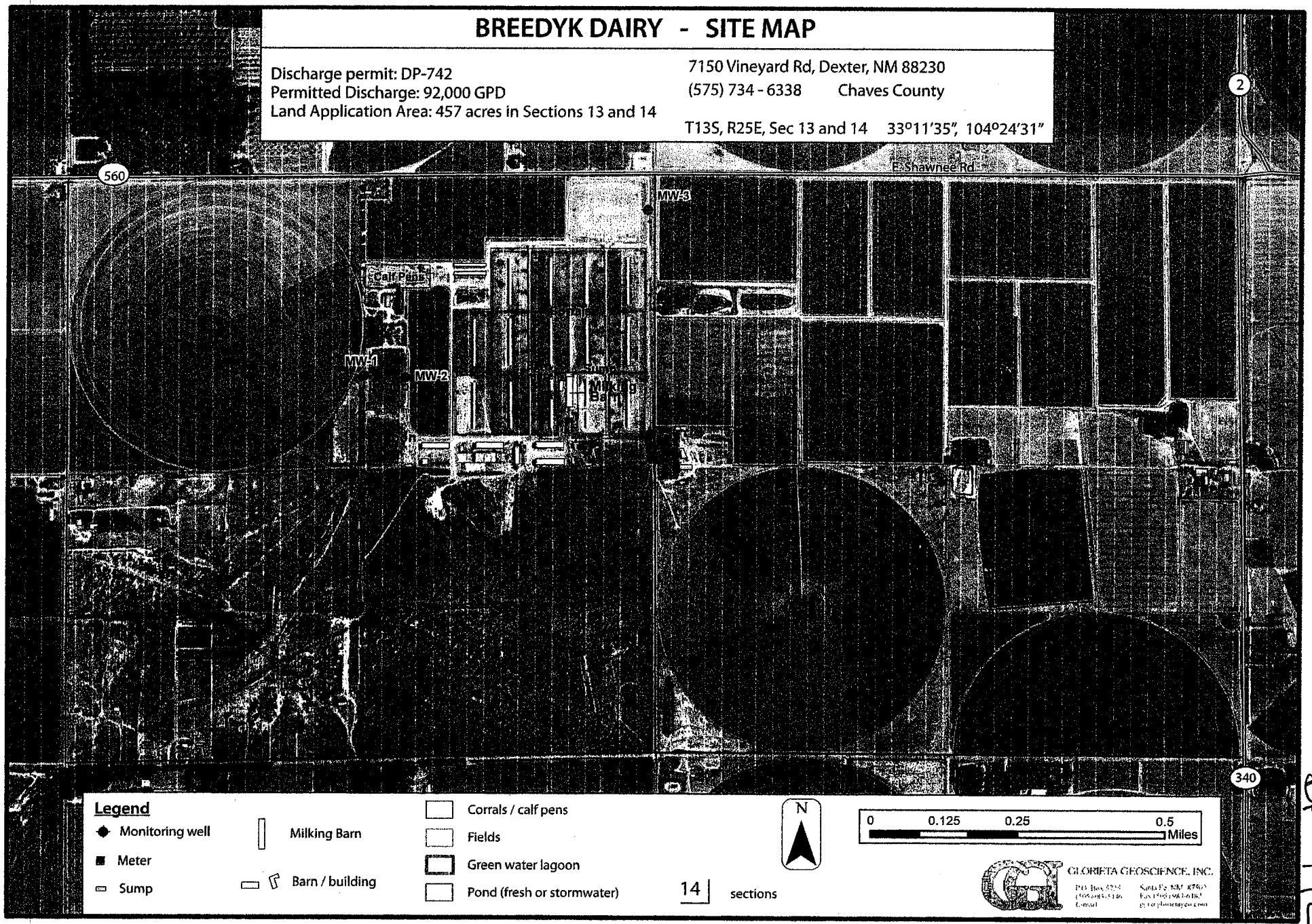
DP-742

BREEDYK DAIRY - SITE MAP

Discharge permit: DP-742
Permitted Discharge: 92,000 GPD
Land Application Area: 457 acres in Sections 13 and 14

7150 Vineyard Rd, Dexter, NM 88230
(575) 734 - 6338 Chaves County

T13S, R25E, Sec 13 and 14 33°11'35", 104°24'31"



DP-742

GROUND WATER

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Oct-09*

JAN 2 6 2010

BUREAU

CLIENT: Glorieta GeoScience
Lab Order: 0910161
Project: Breedyk Dairy
Lab ID: 0910161-01

Client Sample ID: MW 1
Collection Date: 10/7/2009 4:12:00 PM
Date Received: 10/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1000	5.0		mg/L	50	10/8/2009 8:42:11 PM
Nitrogen, Nitrate (As N)	11	0.10		mg/L	1	10/8/2009 8:24:46 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	3950	20.0		mg/L	1	10/14/2009 2:46:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	10/13/2009 1:26:00 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		

UP-142

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Oct-09*

CLIENT: Glorieta GeoScience
Lab Order: 0910161
Project: Breedyk Dairy
Lab ID: 0910161-02

Client Sample ID: MW 2
Collection Date: 10/7/2009 3:58:00 PM
Date Received: 10/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Chloride	1200	10		mg/L	100	10/15/2009 7:34:38 AM
Nitrogen, Nitrate (As N)	34	0.50		mg/L	5	10/8/2009 8:59:35 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	4580	20.0		mg/L	1	10/14/2009 2:46:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/13/2009 1:26:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
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

DP-142

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Oct-09*

CLIENT: Glorieta GeoScience
Lab Order: 0910161
Project: Breedyk Dairy
Lab ID: 0910161-03

Client Sample ID: MW 3
Collection Date: 10/7/2009 5:00:00 PM
Date Received: 10/8/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Chloride	130	1.0		mg/L	10	10/15/2009 7:52:03 AM
Nitrogen, Nitrate (As N)	5.1	0.10		mg/L	1	10/8/2009 9:34:24 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: MMS
Total Dissolved Solids	2060	20.0		mg/L	1	10/14/2009 2:46:00 PM
SM 4500 NORG C: TKN						Analyst: KS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/13/2009 1:26:00 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

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Jul-09*

NOV 0 5 2009

BUREAU

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 2
Lab Order:	0907269	**Collection Date:**	7/15/2009 8:57:00 AM
Project:	Breedyk Dairy	**Date Received:**	7/15/2009
Lab ID:	0907269-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	1200	10		mg/L	100	7/20/2009 4:38:46 PM
Nitrogen, Nitrate (As N)	37	2.0		mg/L	20	7/16/2009 7:38:53 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	4590	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: LJB
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/23/2009

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

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Jul-09*

NOV 0 5 2009

BUREAU

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 1
Lab Order:	0907269	**Collection Date:**	7/15/2009 8:30:00 AM
Project:	Breedyk Dairy	**Date Received:**	7/15/2009
Lab ID:	0907269-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	1500	10		mg/L	100	7/20/2009 3:46:31 PM
Nitrogen, Nitrate (As N)	9.5	0.10		mg/L	1	7/16/2009 5:54:26 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	4680	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/23/2009

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: *29-May-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905261
Project: Breedyk Dairy
Lab ID: 0905261-04

Client Sample ID: MW 3
Collection Date: 5/13/2009 3:00:00 PM
Date Received: 5/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	140	1.0		mg/L	10	5/21/2009 6:44:47 AM
Nitrate (As N)+Nitrite (As N)	6.6	1.0		mg/L	5	5/19/2009 10:49:51 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	2200	40		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	5/19/2009

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-342

Hall Environmental Analysis Laboratory, Inc.

Date: *29-May-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 2
Lab Order:	0905261	**Collection Date:**	5/13/2009 2:22:00 PM
Project:	Breedyk Dairy	**Date Received:**	5/14/2009
Lab ID:	0905261-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1100	5.0		mg/L	50	5/20/2009 11:35:49 AM
Nitrate (As N)+Nitrite (As N)	47	2.0		mg/L	10	5/21/2009 6:27:22 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	4500	100		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/19/2009

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-142

Hall Environmental Analysis Laboratory, Inc.

Date: *29-May-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905261
Project: Breedyk Dairy
Lab ID: 0905261-01

Client Sample ID: MW 1
Collection Date: 5/13/2009 2:45:00 PM
Date Received: 5/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	1200	5.0		mg/L	50	5/20/2009 11:18:25 AM
Nitrate (As N)+Nitrite (As N)	8.9	2.0		mg/L	10	5/22/2009 7:09:14 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	4400	100		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	5/19/2009

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- 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: *24-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 3
Lab Order:	0907269	**Collection Date:**	7/15/2009 9:41:00 AM
Project:	Breedyk Dairy	**Date Received:**	7/15/2009
Lab ID:	0907269-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	110	2.0		mg/L	20	7/16/2009 10:15:33 AM
Nitrogen, Nitrate (As N)	5.3	0.10		mg/L	1	7/16/2009 9:58:09 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	2160	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/23/2009

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		

DP-142
GROUND WATER

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Mar-09*

APR 30 2009

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #1
Lab Order:	0902241	**Collection Date:**	2/22/2009 11:31:00 AM
Project:	Breedyk Dairy	**Date Received:**	2/24/2009
Lab ID:	0902241-01	**Matrix:**	AQUEOUS

BUREAU

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	850	5.0		mg/L	50	2/28/2009 12:09:31 AM
Nitrogen, Nitrate (As N)	5.3	0.10		mg/L	1	2/24/2009 10:22:42 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **DMG**
Total Dissolved Solids	4000	200		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		

DP-943

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Mar-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #2
Lab Order:	0902241	**Collection Date:**	2/22/2009 11:30:00 AM
Project:	Breedyk Dairy	**Date Received:**	2/24/2009
Lab ID:	0902241-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	1200	5.0		mg/L	50	2/24/2009 4:45:40 PM
Nitrogen, Nitrate (As N)	47	1.0		mg/L	10	2/24/2009 10:40:06 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **DMG**
Total Dissolved Solids	4500	200		mg/L	1	2/27/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	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		

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Mar-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #3
Lab Order:	0902241	**Collection Date:**	2/22/2009 12:15:00 PM
Project:	Breedyk Dairy	**Date Received:**	2/24/2009
Lab ID:	0902241-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	210	1.0		mg/L	10	2/24/2009 5:03:04 PM
Nitrogen, Nitrate (As N)	8.4	0.10		mg/L	1	2/24/2009 10:57:30 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **DMG**
Total Dissolved Solids	2200	200		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		

GROUND WATER
DP-742

FEB 05 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0811053	**Collection Date:**	11/4/2008 1:25:00 PM
Project:	Breedyk Dairy	**Date Received:**	11/6/2008
Lab ID:	0811053-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	710	5.0		mg/L	50	11/18/2008 3:52:32 PM
Nitrogen, Nitrate (As N)	4.0	0.10		mg/L	1	11/6/2008 12:24:41 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	4000	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-142

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0811053	**Collection Date:**	11/4/2008 1:28:00 PM
Project:	Breedyk Dairy	**Date Received:**	11/6/2008
Lab ID:	0811053-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	99	1.0		mg/L	10	11/18/2008 4:27:21 PM
Nitrogen, Nitrate (As N)	5.5	0.10		mg/L	1	11/6/2008 12:42:06 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	2200	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		

Hall Environmental Analysis Laboratory, Inc.

Date: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-2
Lab Order:	0811053	**Collection Date:**	11/4/2008 1:21:00 PM
Project:	Breedyk Dairy	**Date Received:**	11/6/2008
Lab ID:	0811053-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	940	5.0		mg/L	50	11/18/2008 4:09:57 PM
Nitrogen, Nitrate (As N)	42	1.0		mg/L	10	11/6/2008 12:07:17 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	4200	20		mg/L	1	11/11/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		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		

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0907269	**Collection Date:**	7/15/2009 9:14:00 AM
Project:	Breedyk Dairy	**Date Received:**	7/15/2009
Lab ID:	0907269-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	520	5.0		mg/L	50	7/20/2009 4:56:11 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	7/16/2009 7:56:18 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	3120	400		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	200	20		mg/L	1	7/23/2009

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		

DP-742

Hall Environmental Analysis Laboratory, Inc.

Date: *29-May-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0905261	**Collection Date:**	5/13/2009 3:00:00 PM
Project:	Breedyk Dairy	**Date Received:**	5/14/2009
Lab ID:	0905261-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	170	1.0		mg/L	10	5/19/2009 8:13:10 PM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	5/19/2009 8:30:35 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	2200	200		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	55	10		mg/L	1	5/19/2009

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: *20-Nov-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0811053	**Collection Date:**	11/4/2008 1:57:00 PM
Project:	Breedyk Dairy	**Date Received:**	11/6/2008
Lab ID:	0811053-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	380	2.0		mg/L	20	11/18/2008 4:44:46 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/6/2008 12:59:31 PM
SM 2540C: TDS						Analyst: **KMB**
Total Dissolved Solids	2400	200		mg/L	1	11/11/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	140	10		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		

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Sep-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	LAGOON
Lab Order:	0809027	**Collection Date:**	9/2/2008 1:05:00 PM
Project:	Breedyk Dairy	**Date Received:**	9/3/2008
Lab ID:	0809027-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	390	2.0		mg/L	20	9/3/2008 3:52:26 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	9/3/2008 3:52:26 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	5300	2000		mg/L	1	9/4/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	480	10		mg/L	1	9/5/2008

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: *07-Nov-07*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #2
Lab Order:	0710544	**Collection Date:**	10/29/2007 11:46:00 AM
Project:	Breedyk Dairy	**Date Received:**	10/30/2007
Lab ID:	0710544-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: KS
Chloride	860	5.0		mg/L	50	11/3/2007 4:32:23 PM
Nitrogen, Nitrate (As N)	58	1.0		mg/L	10	10/30/2007 6:19:42 PM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	4400	20		mg/L	1	11/1/2007
SM4500-NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	11/5/2007

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *19-Feb-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon
Lab Order:	0802143	**Collection Date:**	2/11/2008 12:42:00 PM
Project:	Breedyk Dairy	**Date Received:**	2/12/2008
Lab ID:	0802143-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	420	2.0		mg/L	20	2/12/2008 12:17:59 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	2/12/2008 12:17:59 PM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	3600	400		mg/L	1	2/14/2008
SM4500-NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	600	20		mg/L	1	2/13/2008

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: *07-Nov-07*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW #1
Lab Order:	0710544	**Collection Date:**	10/29/2007 11:16:00 AM
Project:	Breedyk Dairy	**Date Received:**	10/30/2007
Lab ID:	0710544-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: KS
Chloride	870	10		mg/L	100	11/2/2007 4:27:29 AM
Nitrogen, Nitrate (As N)	8.1	0.10		mg/L	1	10/30/2007 6:37:06 PM
SM 2540C: TDS						Analyst: TAF
Total Dissolved Solids	5100	200		mg/L	1	11/1/2007
SM4500-NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	1.4	1.0		mg/L	1	11/5/2007

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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		