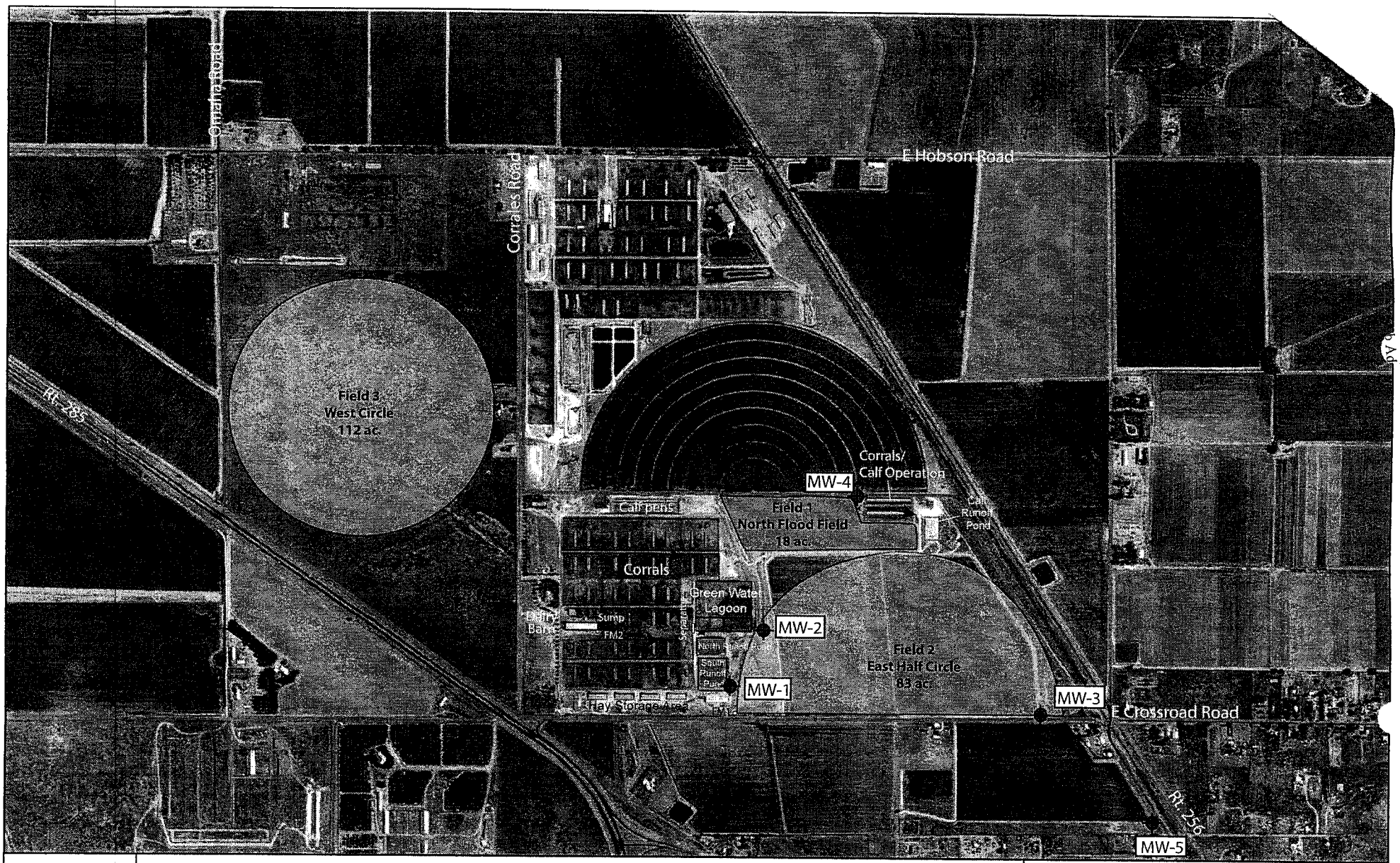

N

New Horizon Dairy Site Map

DP # 228
1673 Corrales Road
Chaves County, New Mexico
Township 11S, Range 24E, Sections 35 (1/4 Sections 2 and 4) and 36 (1/4 Sections 3 and 4)

MW-1 Approximate location of Monitoring Well

Property Boundary

Flow Meter

Surface Flow Direction

0 0.25 0.5 1 Mile

GROUND WATER
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

JAN 0 2 2010
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DP-228

GROUND WATER

JAN 0 4 2010 BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Oct-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW1
Lab Order:	0910258	**Collection Date:**	10/13/2009 12:12:00 PM
Project:	New Horizon	**Date Received:**	10/14/2009
Lab ID:	0910258-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	190	2.0		mg/L	20	10/15/2009 1:18:25 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	10/15/2009 1:01:00 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	1340	20.0		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	1.1	1.0		mg/L	1	10/16/2009 10:14:00 AM

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: *22-Oct-09*

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CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW2
Lab Order:	0910258	**Collection Date:**	10/13/2009 12:58:00 PM
Project:	New Horizon	**Date Received:**	10/14/2009
Lab ID:	0910258-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	280	2.0		mg/L	20	10/15/2009 1:53:13 AM
Nitrogen, Nitrate (As N)	24	2.0		mg/L	20	10/15/2009 1:53:13 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	2850	100		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/16/2009 10:14:00 AM

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: *22-Oct-09*

CLIENT: Glorieta GeoScience
Lab Order: 0910258
Project: New Horizon
Lab ID: 0910258-03

Client Sample ID: MW3
Collection Date: 10/13/2009 1:40:00 PM
Date Received: 10/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	320	2.0		mg/L	20	10/15/2009 2:28:03 AM
Nitrogen, Nitrate (As N)	69	2.0		mg/L	20	10/15/2009 2:28:03 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	4320	20.0		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/16/2009 10:14:00 AM

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: *22-Oct-09*

CLIENT: Glorieta GeoScience
Lab Order: 0910258
Project: New Horizon
Lab ID: 0910258-04

Client Sample ID: MW5
Collection Date: 10/13/2009 2:32:00 PM
Date Received: 10/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	330	2.0		mg/L	20	10/15/2009 2:45:28 AM
Nitrogen, Nitrate (As N)	43	2.0		mg/L	20	10/15/2009 2:45:28 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	4380	40.0		mg/L	1	10/21/2009 6:23:00 PM
SM 4500 NORG C: TKN						Analyst: **KS**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	10/16/2009 10:14:00 AM

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

SEP 3 0 2009

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Hall Environmental Analysis Laboratory, Inc.

Date: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-1
Lab Order:	0907270	**Collection Date:**	7/14/2009 9:37:00 AM
Project:	New Horizon Dairy	**Date Received:**	7/15/2009
Lab ID:	0907270-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	200	2.0		mg/L	20	7/16/2009 8:31:06 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	7/16/2009 8:13:42 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	1260	40.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	7/22/2009

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: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-2
Lab Order:	0907270	**Collection Date:**	7/14/2009 10:32:00 AM
Project:	New Horizon Dairy	**Date Received:**	7/15/2009
Lab ID:	0907270-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	290	2.0		mg/L	20	7/17/2009 2:06:49 AM
Nitrate (As N)+Nitrite (As N)	7.5	1.0		mg/L	5	7/17/2009 2:24:13 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	2300	40.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	7/22/2009

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: *27-Jul-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-3
Lab Order:	0907270	**Collection Date:**	7/14/2009 11:20:00 AM
Project:	New Horizon Dairy	**Date Received:**	7/15/2009
Lab ID:	0907270-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	330	5.0		mg/L	50	7/21/2009 5:35:59 PM
Nitrate (As N)+Nitrite (As N)	82	2.0		mg/L	10	7/21/2009 5:53:23 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	4250	20.0		mg/L	1	7/20/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	7/22/2009

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-Sep-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-5
Lab Order:	0908451	**Collection Date:**	8/25/2009 12:55:00 PM
Project:	New Horizon	**Date Received:**	8/26/2009
Lab ID:	0908451-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Chloride	360	2.0		mg/L	20	8/26/2009 3:33:53 PM
Nitrogen, Nitrate (As N)	50	2.0		mg/L	20	8/26/2009 3:33:53 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **MMS**
Total Dissolved Solids	4590	20.0		mg/L	1	8/28/2009
SM 4500 NORG C: TKN						Analyst: **KMS**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	9/1/2009 2:28:00 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-Jun-09*

CLIENT: Glorieta GeoScience
Lab Order: 0905262
Project: New Horizons Dairy
Lab ID: 0905262-01

Client Sample ID: MW 1
Collection Date: 5/13/2009 9:51:00 AM
Date Received: 5/14/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	200	1.0		mg/L	10	5/19/2009 12:40:32 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	5/19/2009 12:57:57 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	3300	2000		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	13	5.0		mg/L	1	5/20/2009

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: *02-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 2
Lab Order:	0905262	**Collection Date:**	5/13/2009 10:26:00 AM
Project:	New Horizons Dairy	**Date Received:**	5/14/2009
Lab ID:	0905262-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	260	1.0		mg/L	10	5/19/2009 1:32:45 PM
Nitrate (As N)+Nitrite (As N)	9.2	1.0		mg/L	5	5/19/2009 1:50:09 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	2600	400		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/20/2009

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: *02-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 3
Lab Order:	0905262	**Collection Date:**	5/13/2009 10:50:00 AM
Project:	New Horizons Dairy	**Date Received:**	5/14/2009
Lab ID:	0905262-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	300	1.0		mg/L	10	5/19/2009 4:26:50 PM
Nitrate (As N)+Nitrite (As N)	74	1.0		mg/L	5	5/19/2009 4:44:15 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	4400	400		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/20/2009

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: *02-Jun-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW 5
Lab Order:	0905262	**Collection Date:**	5/13/2009 11:37:00 AM
Project:	New Horizons Dairy	**Date Received:**	5/14/2009
Lab ID:	0905262-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	390	1.0		mg/L	10	5/19/2009 2:24:59 PM
Nitrate (As N)+Nitrite (As N)	55	1.0		mg/L	5	5/19/2009 2:42:24 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: SNV
Total Dissolved Solids	4500	400		mg/L	1	5/19/2009
SM 4500 NORG C: TKN						Analyst: KMS
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	5/20/2009

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		

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Hall Environmental Analysis Laboratory, Inc.

Date: *26-Mar-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-1
Lab Order:	0903225	**Collection Date:**	3/16/2009 10:55:00 AM
Project:	New Horizons Dairy	**Date Received:**	3/17/2009
Lab ID:	0903225-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	210	1.0		mg/L	10	3/17/2009 2:12:41 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	3/17/2009 1:55:16 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMP**
Total Dissolved Solids	3500	40		mg/L	1	3/20/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	2.7	1.0		mg/L	1	3/20/2009

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-Mar-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-2
Lab Order:	0903225	**Collection Date:**	3/16/2009 11:27:00 AM
Project:	New Horizons Dairy	**Date Received:**	3/17/2009
Lab ID:	0903225-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	260	1.0		mg/L	10	3/17/2009 3:22:19 PM
Nitrogen, Nitrate (As N)	10	0.10		mg/L	1	3/17/2009 3:04:54 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMP**
Total Dissolved Solids	2300	100		mg/L	1	3/20/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	2.7	1.0		mg/L	1	3/20/2009

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-Mar-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-3
Lab Order:	0903225	**Collection Date:**	3/16/2009 1:30:00 PM
Project:	New Horizons Dairy	**Date Received:**	3/17/2009
Lab ID:	0903225-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	310	1.0		mg/L	10	3/17/2009 3:57:09 PM
Nitrogen, Nitrate (As N)	76	1.0		mg/L	10	3/17/2009 3:57:09 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMP**
Total Dissolved Solids	4800	100		mg/L	1	3/20/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/20/2009

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-Mar-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-4
Lab Order:	0903225	**Collection Date:**	3/16/2009 12:40:00 PM
Project:	New Horizons Dairy	**Date Received:**	3/17/2009
Lab ID:	0903225-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	390	1.0		mg/L	10	3/17/2009 5:06:46 PM
Nitrogen, Nitrate (As N)	58	1.0		mg/L	10	3/17/2009 5:06:46 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMP**
Total Dissolved Solids	4000	100		mg/L	1	3/20/2009
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/20/2009

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-Mar-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-5
Lab Order:	0903225	**Collection Date:**	3/16/2009 12:14:00 PM
Project:	New Horizons Dairy	**Date Received:**	3/17/2009
Lab ID:	0903225-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	390	1.0		mg/L	10	3/17/2009 5:41:35 PM
Nitrogen, Nitrate (As N)	54	1.0		mg/L	10	3/17/2009 5:41:35 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JMP
Total Dissolved Solids	4000	100		mg/L	1	3/20/2009
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	3/20/2009

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

Date: *19-Dec-05*

CLIENT: Sky Country Farms
Lab Order: 0512154
Project: DMR Sampling
Lab ID: 0512154-01

Client Sample ID: RET. LAG
Collection Date: 12/12/2005 11:20:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	120	0.50		mg/L	5	12/13/2005
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	12/13/2005
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	12/13/2005
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	12/13/2005
EPA METHOD 160.1: TDS						Analyst: **TES**
Total Dissolved Solids	1500	50		mg/L	1	12/15/2005
EPA METHOD 351.3: TKN						Analyst: **CMC**
Nitrogen, Kjeldahl, Total	30	1.0		mg/L	1	12/15/2005

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

ll Environmental Analysis Laboratory

Date: *10-Oct-05*

CLIENT: Sky Country Farms
Lab Order: 0509260
Project: Sky Cntry DMR Sampling
Lab ID: 0509260-01

Client Sample ID: RET LAG
Collection Date: 9/22/2005 3:30:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	140	1.0		mg/L	10	9/24/2005
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	9/24/2005
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/24/2005
EPA METHOD 160.1: TDS						Analyst: MAP
Total Dissolved Solids	1600	50		mg/L	2	9/30/2005
EPA METHOD 351.3: TKN						Analyst: IC
Nitrogen, Kjeldahl, Total	140	5.0		mg/L	1	10/4/2005

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: *22-Jun-05*

CLIENT:	Sky Country Farms	**Client Sample ID:**	RET LAG
Lab Order:	0506120	**Collection Date:**	6/10/2005 3:30:00 PM
Project:	DMR Sampling		
Lab ID:	0506120-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	190	2.0		mg/L	20	6/14/2005
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	6/14/2005
EPA METHOD 160.1: TDS						Analyst: **DK**
Total Dissolved Solids	1800	500		mg/L	10	6/16/2005
EPA METHOD 351.3: TKN						Analyst: **CMC**
Nitrogen, Kjeldahl, Total	150	5.0		mg/L	1	6/17/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Environmental Analysis Laboratory

Date: *07-Mar-05*

ENT:	Sky Country Farms	Client Sample ID:	Ret Lag
Order:	0503013	Collection Date:	3/1/2005 9:57:00 AM
roject:	Sky Cntry DMR Sampling		
Lab ID:	0503013-01	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	130	0.50		mg/L	5	3/3/2005
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	3/3/2005
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	3/3/2005
Phosphorus, Orthophosphate (As P)	17	2.5		mg/L	5	3/3/2005
EPA METHOD 160.1: TDS						Analyst: MAP
Total Dissolved Solids	1600	100		mg/L	2	3/7/2005
EPA METHOD 351.3: TKN						Analyst: CMC
Nitrogen, Kjeldahl, Total	100	5.0		mg/L	1	3/3/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

DP- 228

Hall Environmental Analysis Laboratory

Date: *01-Jul-04*

CLIENT:	Sky Country Farms	**Client Sample ID:**	RET LAG
Lab Order:	0406167	**Collection Date:**	6/15/2004 9:16:00 AM
Project:	DMR Sampling		
Lab ID:	0406167-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	200	1.0		mg/L	10	6/30/2004 8:08:52 PM
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	6/18/2004 1:01:40 PM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	1700	50		mg/L	1	6/23/2004
EPA METHOD 351.3: TKN						Analyst: **MAP**
Nitrogen, Kjeldahl, Total	320	2.0		mg/L	2	6/30/2004

Highest WW

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

DP-[illegible] 228

Hall Environmental Analysis Laboratory

Date: *19-Dec-05*

CLIENT: Sky Country Farms
Lab Order: 0512154
Project: DMR Sampling
Lab ID: 0512154-01

Client Sample ID: RET. LAG
Collection Date: 12/12/2005 11:20:00 AM

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MAP**
Chloride	120	0.50		mg/L	5	12/13/2005
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	12/13/2005
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	12/13/2005
Nitrate (As N)+Nitrite (As N)	ND	0.50		mg/L	5	12/13/2005
EPA METHOD 160.1: TDS						Analyst: **TES**
Total Dissolved Solids	1500	50		mg/L	1	12/15/2005
EPA METHOD 351.3: TKN						Analyst: **CMC**
Nitrogen, Kjeldahl, Total	30	1.0		mg/L	1	12/15/2005

Lowest WW

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

DP- 228

Hall Environmental Analysis Laboratory

Date: *05-Dec-03*

CLIENT: Sky Country Farms
Lab Order: 0311191
Project: Sky Country Famrs
Lab ID: 0311191-03

Client Sample ID: MW-2
Collection Date: 11/24/2003 11:46:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **BDH**
Chloride	310	2.5		mg/L	25	12/2/2003 5:35:42 AM
Nitrate (As N)+Nitrite (As N)	94	0.50		mg/L	5	11/27/2003 6:32:44 AM
EPA METHOD 160.1: TDS						Analyst: **MAP**
Total Dissolved Solids	3500	1.0		mg/L	1	12/1/2003
EPA METHOD 351.3: TKN						Analyst: **MAP**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	12/3/2003

Highest GW - MW-2

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

old Manure-lined lagoon

DP- 228

Advanced Analysis & Laboratory Services

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
Tel: (806) 796-2805 Fax : (806) 796-2825

ANALYTICAL RESULTS FOR
B.E.S.T. !
ATTN: MARY BARRON
11 CAJUN COURT
ROSWELL, NM 88201
PHONE: (505) 622-7224
FAX: (505) 622-7019

Receiving Date: 06/04/01
Reporting Date: 06/11/01
Project Number: DP-228
Project Name: DISCHARGE PERMIT SAMPLING
Project Location: SKY COUNTRY FARMS

Sampling Date: 06/02/01
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: MR, GV

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
ANALYSIS DATE:		06/08/01	06/08/01	06/08/01	06/08/01
AF3732-1	MW - 1	2140	205	1.2	1.3
AF3732-2	MW - 2	2505	205	1.3	5.9
AF3732-3	MW - 3	4775	190	0.7	110
AF3732-4	LAGOON	2045	255	107	0.2
Quality Control		1010	50	4.89	0.5007
True Value QC		1000	50	5.00	0.5000
% IA		100	100	98	100
% EA		N/A	105	108	102
Relative Percent Difference		2	0	1	1
METHODS: EPA 600/4-79-020,		160.1	4500B	351.4	353.3

* Less than the Minimum Detection Limit.

Mario Rodriguez

Mario Rodriguez, Chemist

06/11/01
Date

Highest GW, MW-3
field

GROUND WATER
DP-228

JAN 1 4 2009

BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-1
Lab Order:	0812223	**Collection Date:**	12/10/2008 10:03:00 AM
Project:	New Horizons Dairy	**Date Received:**	12/11/2008
Lab ID:	0812223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	200	1.0		mg/L	10	12/11/2008 1:42:21 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	12/11/2008 12:50:06 PM
SM 2540C: TDS						Analyst: **KMS**
Total Dissolved Solids	1200	200		mg/L	1	12/12/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	2.0	1.0		mg/L	1	12/23/2008

Lagoon MW

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-228
GROUND WATER

JAN 1 4 2009
BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-2
Lab Order:	0812223	**Collection Date:**	12/10/2008 11:03:00 AM
Project:	New Horizons Dairy	**Date Received:**	12/11/2008
Lab ID:	0812223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	250	1.0		mg/L	10	12/11/2008 2:17:10 PM
Nitrogen, Nitrate (As N)	11	0.10		mg/L	1	12/11/2008 1:59:45 PM
SM 2540C: TDS						Analyst: **KMS**
Total Dissolved Solids	2400	100		mg/L	1	12/12/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	2.0		mg/L	1	12/23/2008

Lagoon mw

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. 228

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-3
Lab Order:	0812223	**Collection Date:**	12/10/2008 1:16:00 PM
Project:	New Horizons Dairy	**Date Received:**	12/11/2008
Lab ID:	0812223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	300	1.0		mg/L	10	12/11/2008 2:34:35 PM
Nitrogen, Nitrate (As N)	74	1.0		mg/L	10	12/11/2008 2:34:35 PM
SM 2540C: TDS						Analyst: KMS
Total Dissolved Solids	4100	200		mg/L	1	12/12/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	12/23/2008

LAA MW

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-228

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-4
Lab Order:	0812223	**Collection Date:**	12/10/2008 12:07:00 PM
Project:	New Horizons Dairy	**Date Received:**	12/11/2008
Lab ID:	0812223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	370	1.0		mg/L	10	12/11/2008 2:52:00 PM
Nitrogen, Nitrate (As N)	56	1.0		mg/L	10	12/11/2008 2:52:00 PM
SM 2540C: TDS						Analyst: KMS
Total Dissolved Solids	4900	200		mg/L	1	12/12/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	12/23/2008

up 9 mw

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-228

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Estes Sampling Service	**Client Sample ID:**	MW-5
Lab Order:	0812223	**Collection Date:**	12/10/2008 12:43:00 PM
Project:	New Horizons Dairy	**Date Received:**	12/11/2008
Lab ID:	0812223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	370	1.0		mg/L	10	12/11/2008 3:09:24 PM
Nitrogen, Nitrate (As N)	50	1.0		mg/L	10	12/11/2008 3:09:24 PM
SM 2540C: TDS						Analyst: **KMS**
Total Dissolved Solids	4700	200		mg/L	1	12/12/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	5.0		mg/L	1	12/23/2008

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		