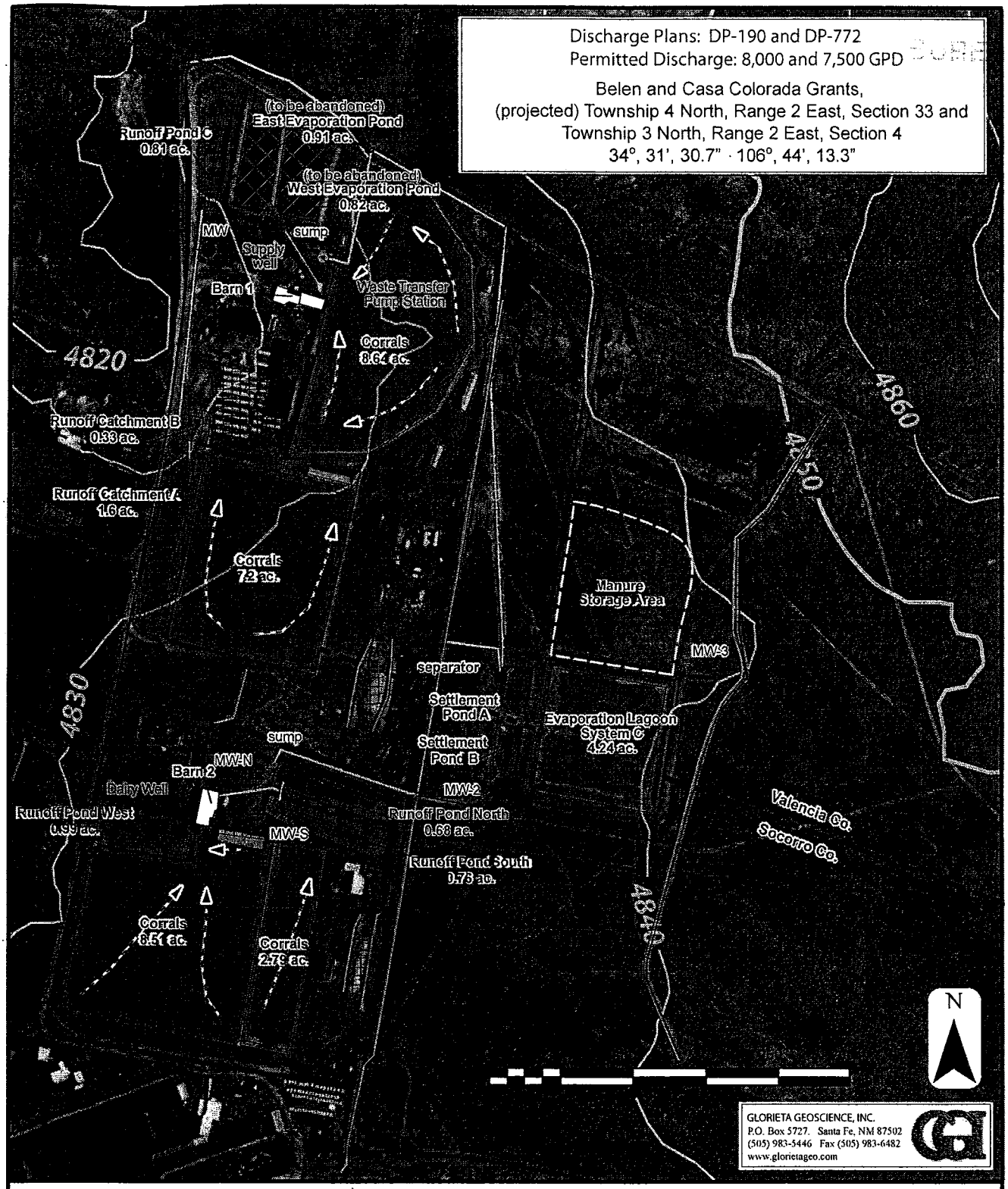
DP-772

Othart Dairies 1 and 2 Site Map



Legend

Othart Dairy, 140 Wheeler Rd., Veguita, NM 87002 Valencia and Socorro Counties

Well Types
- monitoring
- supply
- waste pump
- separator
- pipeline
- berm
- flow lines

- Milking Barn
- Bermed corral
- clay-lined pond - to be abandoned
- ditch, clay
- ditch, concrete
- sump

Elevation contours. ft above MSL

- feed storage
- runoff catchment or pond, bermed
- settlement pond
- evaporation lagoon
- Building
- property boundary

GROUND WATER
SEP 1 6 2009
BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907109
Project: Othart 2
Lab ID: 0907109-01

Client Sample ID: MW-N
Collection Date: 7/6/2009 10:20:00 AM
Date Received: 7/7/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Chloride	18	0.10		mg/L	1	7/8/2009 7:30:55 AM
Nitrogen, Nitrate (As N)	6.2	0.10		mg/L	1	7/8/2009 7:30:55 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	410	20		mg/L	1	7/9/2009
SM 4500 NORG C: TKN						Analyst: **LJB**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/20/2009

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: *22-Jul-09*

CLIENT: Glorieta GeoScience
Lab Order: 0907109
Project: Othart 2
Lab ID: 0907109-02

Client Sample ID: MW-S
Collection Date: 7/6/2009 10:08:00 AM
Date Received: 7/7/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: TAF
EPA METHOD 300.0: ANIONS						
Chloride	12	0.10		mg/L	1	7/8/2009 6:56:07 AM
Nitrogen, Nitrate (As N)	4.6	0.10		mg/L	1	7/8/2009 6:56:07 AM
						Analyst: KMS
SM2540C MOD: TOTAL DISSOLVED SOLIDS						
Total Dissolved Solids	330	20		mg/L	1	7/9/2009
						Analyst: LJB
SM 4500 NORG C: TKN						
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	7/20/2009

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: *08-Apr-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-North
Lab Order:	0903485	**Collection Date:**	3/30/2009 10:16:00 AM
Project:	Othart Dairy	**Date Received:**	3/31/2009
Lab ID:	0903485-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	17	0.10		mg/L	1	3/31/2009 10:01:21 PM
Nitrogen, Nitrate (As N)	5.8	0.10		mg/L	1	3/31/2009 10:01:21 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JAT
Total Dissolved Solids	440	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-South
Lab Order:	0903485	**Collection Date:**	3/30/2009 10:31:00 AM
Project:	Othart Dairy	**Date Received:**	3/31/2009
Lab ID:	0903485-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	12	0.10		mg/L	1	3/31/2009 11:10:59 PM
Nitrogen, Nitrate (As N)	4.3	0.10		mg/L	1	3/31/2009 11:10:59 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: JAT
Total Dissolved Solids	340	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		

GROUND WATER
MAR 1 6 2009
BUREAU

Hall Environmental Analysis Laboratory, Inc.

Date: *26-Jan-09*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-North
Lab Order:	0901271	**Collection Date:**	1/20/2009 10:42:00 AM
Project:	Othart 2	**Date Received:**	1/21/2009
Lab ID:	0901271-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	16	0.10		mg/L	1	1/21/2009 11:10:56 AM
Nitrogen, Nitrate (As N)	5.5	0.10		mg/L	1	1/21/2009 11:10:56 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	400	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-South
Lab Order:	0901271	**Collection Date:**	1/20/2009 10:16:00 AM
Project:	Othart 2	**Date Received:**	1/21/2009
Lab ID:	0901271-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	12	0.10		mg/L	1	1/21/2009 10:01:17 AM
Nitrogen, Nitrate (As N)	4.0	0.10		mg/L	1	1/21/2009 10:01:17 AM
SM 2540 C: TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	330	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: *16-Oct-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-N
Lab Order:	0810132	**Collection Date:**	10/6/2008 10:09:00 AM
Project:	Othart 2	**Date Received:**	10/7/2008
Lab ID:	0810132-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Chloride	17	0.10		mg/L	1	10/7/2008 9:16:31 PM
Nitrogen, Nitrate (As N)	5.9	0.10		mg/L	1	10/7/2008 9:16:31 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	390	20		mg/L	1	10/8/2008
SM 4500 NORG C: TKN						Analyst: TAF
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/13/2008

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: *16-Oct-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	MW-S
Lab Order:	0810132	**Collection Date:**	10/6/2008 10:23:00 AM
Project:	Othart 2	**Date Received:**	10/7/2008
Lab ID:	0810132-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	12	0.10		mg/L	1	10/7/2008 7:32:04 PM
Nitrogen, Nitrate (As N)	4.1	0.10		mg/L	1	10/7/2008 7:32:04 PM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: **KMS**
Total Dissolved Solids	310	20		mg/L	1	10/8/2008
SM 4500 NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/13/2008

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: *13-Feb-08*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon (Othart 2)
Lab Order:	0801323	**Collection Date:**	1/29/2008 2:05:00 PM
Project:	Othart Dairy 1 & 2	**Date Received:**	1/30/2008
Lab ID:	0801323-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	1100	5.0		mg/L	50	1/31/2008 3:08:35 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	2/4/2008 7:54:03 PM
SM 2540C: TDS						Analyst: **TAF**
Total Dissolved Solids	9600	1000		mg/L	1	2/1/2008
SM4500-NORG C: TKN						Analyst: **TAF**
Nitrogen, Kjeldahl, Total	660	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		

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Jun-07*

CLIENT:	Glorieta GeoScience	**Client Sample ID:**	Lagoon 2
Lab Order:	0705363	**Collection Date:**	5/23/2007 10:53:00 AM
Project:	Othart Dairy 1 & 2	**Date Received:**	5/24/2007
Lab ID:	0705363-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: KS
Chloride	940	5.0		mg/L	50	5/31/2007 8:57:41 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	5/24/2007 3:08:03 PM
EPA METHOD 160.1: TDS						Analyst: TAF
Total Dissolved Solids	11000	400		mg/L	1	5/25/2007
EPA METHOD 351.3: TKN						Analyst: TES
Nitrogen, Kjeldahl, Total	660	20		mg/L	1	5/25/2007

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		

ımental Analysis Laboratory, Inc.

Date: *18-Dec-06*

Glorieta GeoScience
/: 0611377
Othart Dairy
D: 0611377-09

Client Sample ID: Othart #2 Lagoon
Collection Date: 11/30/2006 12:35:00 PM
Date Received: 11/30/2006
Matrix: AQUEOUS

ıalyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	Analyst: **TES** 12/1/2006 2:33:24 PM
EPA METHOD 351.3: TKN						
Nitrogen, Kjeldahl, Total	290	10		mg/L	1	Analyst: **MAP** 12/13/2006

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

Date: *15-Dec-05*

CLIENT: Glorieta GeoScience
Lab Order: 0512099
Project: Othart Dairy
Lab ID: 0512099-09

Client Sample ID: Othart #2 Lagoon
Collection Date: 12/7/2005 1:20:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MAP
Chloride	230	1.0		mg/L	10	12/7/2005
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	12/7/2005
EPA METHOD 160.1: TDS						Analyst: TES
Total Dissolved Solids	3800	1000		mg/L	20	12/13/2005
EPA METHOD 351.3: TKN						Analyst: CMC
Nitrogen, Kjeldahl, Total	430	20		mg/L	1	12/13/2005

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-772

STL Pensacola 3355 McLemore Drive - Pensacola FL 32514 Telephone:(850) 474-1001 Fax:(850) 478-2671

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
08577-6	OTHART #2 EFFLUENT/308095-06	Liquid	08/21/03	08/20/03 11:20	

Parameter	Units	Lab Sample IDs 08577-6
Total Dissolved Solids (160.1)		
Total Dissolved Solids	mg/l	480
Dilution Factor		1
Analysis Date		08/25/03
Batch ID		TDW069
Analyst		WG
Chloride (4500E)		
Chloride	mg/l	53
Dilution Factor		1
Analysis Date		08/26/03
Batch ID		CKW059A
Analyst		CR
Total Kjeldahl Nitrogen-N (351.2)		
Total Kjeldahl Nitrogen-N	mg/l	24
Dilution Factor		1
Prep Date		08/22/03
Analysis Date		08/23/03
Batch ID		TAW45E
Prep Method		351.2
Analyst		CR
Nitrate-Nitrite, Nitrogen (353.2)		
Nitrate + Nitrite-N	mg/l	0.25
Nitrate-N	mg/l	0.25
Dilution Factor		1
Analysis Date		08/27/03
Batch ID		N3W47A
Analyst		WG

Lowest WW

DP-772

TL Pensacola 3355 McLemore Drive - Pensacola FL 32514 Telephone:(850) 474-1001 Fax:(850) 478-2671

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
05283-1	OTHART #2 LAGOON/305053-01	Liquid	05/13/03	05/12/03 11:50	

Parameter	Units	Lab Sample IDs 05283-1
Total Dissolved Solids (160.1)		
Total Dissolved Solids	mg/l	18000
Dilution Factor		1
Analysis Date		05/15/03
Batch ID		TDW036
Analyst		ST
Chloride (4500E)		
Chloride	mg/l	1600
Dilution Factor		20
Analysis Date		05/16/03
Batch ID		CKW034B
Analyst		CR
Total Kjeldahl Nitrogen-N (351.2)		
Total Kjeldahl Nitrogen-N	mg/l	1400
Dilution Factor		100
Prep Date		05/14/03
Analysis Date		05/15/03
Batch ID		TAW25C
Prep Method		351.2
Analyst		CR
Nitrate-Nitrite, Nitrogen (353.2)		
Nitrate + Nitrite-N	mg/l	<2.0
Nitrate-N	mg/l	<2.0
Dilution Factor		20
Analysis Date		05/19/03
Batch ID		N3W26B
Analyst		CR

Highest WW

DP-772

STATE OF NEW MEXICO DEPARTMENT OF HEALTH

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 700 Camino de Salud, NE
Albuquerque, NM 87196-4700 [505]-841-2500
WATER CHEMISTRY SECTION [505]-841-2555

March 11, 1996

Request ID No. 081047

ANALYTICAL REPORT
SLD Accession No. WC-96-0968

Distribution
( ) User 55321
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(x) SLD Files

To: Chris Whitman
NMED/Ground Water Quality Bureau
P.O. Box 26110
Santa Fe, NM 87502

From: Water Chemistry Section
Scientific Laboratory Div.
700 Camino de Salud, N.E.
P.O. Box 4700
Albuquerque, NM 87196-4700

Re: **A water sample submitted to this laboratory on February 19, 1996**

DEMOGRAPHIC DATA

COLLECTION		*LOCATION*
On: 15-Feb-96	*By:* Whi . . .	North MW DP-772
At: 17:00 hrs.	*In/Near:* Veguita	

ANALYTICAL RESULTS

Analysis	Value	D. Lmt.	Units
nitrate+ite as N	16.50		mG/L
Kjeldahl N	0.20		mG/L

MAR 1996 RECEIVED

Reviewed By:
Diana Suvannunt, Ph.D. 03/06/96
Supervisor, Water Chemistry Section

(Highest GW)
Lagoon