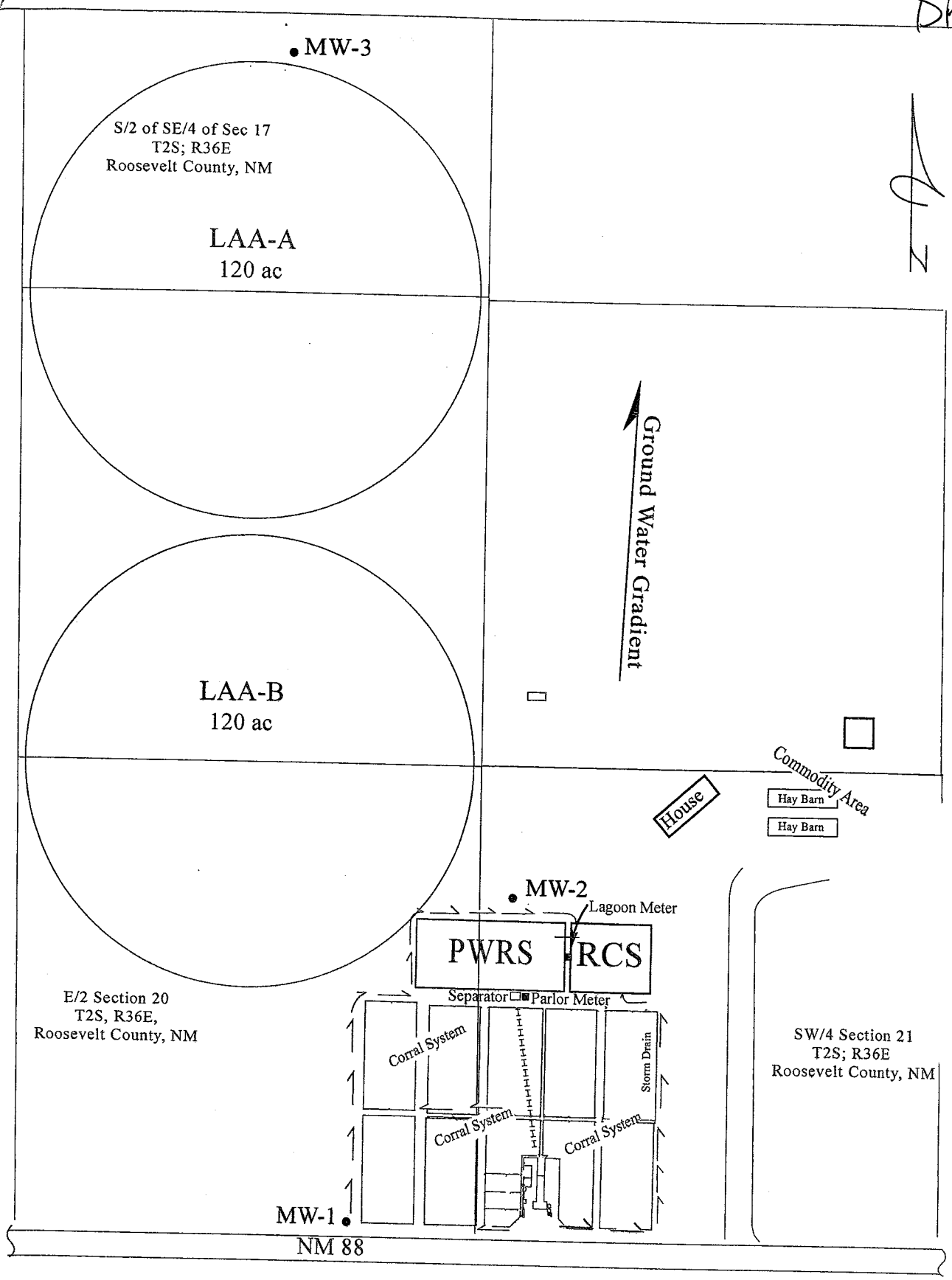
DP-1531



Enviro Compliance Services, Inc.

Office: (575) 762-9674 Fax: (575) 762-3749

Providing Management Assistance for Environmental Compliance Since 1981

Title: Arch Diamond Dairy Site Map DP-1531		
Date: 05/14/2009	DWG/Doc Ref 1' = 900'	Sheet No 1/1

DP-1531

Advanced Analysis, Inc.

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

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 09/25/09 @ 1 °C
Reporting Date: 10/14/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 09/24/09 @ 8:20
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		09/28/09	10/06/09	10/08/09	10/01/09
Time Analysis Batch Started:		10:55	15:00	8:30	12:40
AN15192-1	MW 1	4,610	680	0.4	5.0
AN15192-2	MW 2	1,440	310	0.3	4.4
AN15192-3	MW 3	480	40	0.5	6.6
AN15192-4	PWRS	3,060	400	235	0.06
Date Analysis Batch Finished:		09/29/09	10/06/09	10/08/09	10/01/09
Time Analysis Batch Finished:		14:30	17:00	17:00	17:35
Blank		< 1	< 1	< 0.3	< 0.03
Quality Control		1014	50	4.97	0.5178
True Value QC		1000	50	5.00	0.5000
% Instrument Accuracy		101	100	99	104
Hi - Low %		90 - 110	95 - 105	85 - 115	85 - 115
% Extraction Accuracy		N/A	99	90	97
Relative Percent Difference		0	4	3	3
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez, Director.

10/14/09
Date

DP-1531

Advanced Analysis, Inc.

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

GROUND WATER

JUL 21 2009

BUREAU

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 06/26/09 @ 0 °C
Reporting Date: 07/09/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 06/24/09 @ 14:00
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		06/29/09	06/30/09	07/02/09	07/09/09
Time Analysis Batch Started:		11:10	10:00	8:45	10:05
AN14775-1	MW 2	1,620	360	< 0.2 *	2.5
AN14775-2	PWRS	2,070	190	135	1.3
Date Analysis Batch Finished:		06/30/09	06/30/09	07/02/09	07/09/09
Time Analysis Batch Finished:		12:05	11:25	17:00	12:05
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		998	50	5.12	0.9655
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	102	97
Hi - Low %		90 - 110	95 - 105	85 - 115	85 - 115
% Extraction Accuracy		N/A	99	93	97
Relative Percent Difference		0	2	5	1
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

*Less than the LOQ (Limit Of Quantitation).
This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez, Director

07-09-09
Date

DP-1531

Advanced Analysis, Inc.

5601 19th Street Lubbock, Texas 79407 P.O. Box 16652 Lubbock,Texas 79490
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ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 04/29/09 @ 0 °C
Reporting Date: 05/06/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 04/27/09 @ 13:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		04/29/09	05/04/09	05/05/09	05/01/09
Time Analysis Batch Started:		16:40	11:10	8:35	13:30
AN14534-1	MW 1 conf re-sample	3,745	700	0.9	5.2
AN14534-2	MW 3 conf re-sample	490	30	0.8	1.3
Date Analysis Batch Finished:		04/30/09	05/04/09	05/05/09	05/01/09
Time Analysis Batch Finished:		17:00	12:30	17:00	17:00
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		986	50	5.05	1.0030
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		99	100	101	100
Hi - Low %		90 - 110	95 - 105	85 - 115	85 - 115
% Extraction Accuracy		N/A	100	93	99
Relative Percent Difference		0	0	3	2
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

*Less than the Minimum Detection Limit.
This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez
Mario Rodriguez, Director.

05-06-09
Date

DP-1531

Advanced Analysis, Inc.

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

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 02/24/09 @ 4 °C
Reporting Date: 03/11/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 02/23/09 @ 10:00
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		02/26/09	03/03/09	03/02/09	02/27/09
Time Analysis Batch Started:		13:45	11:00	8:30	10:30
	Field error				
AN14273-1	mw3 MW-1	405	30	< 0.2 *	3.8
AN14273-2	MW-2	1,150	230	< 0.2 *	1.0
AN14273-3	mw4 MW-3	3,150	660	0.3	3.9
AN14273-4	PWRS	2,480	320	230	0.04
Date Analysis Batch Finished:		02/27/09	03/03/09	03/03/09	02/27/09
Time Analysis Batch Finished:		10:00	13:50	14:30	16:30
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		980	50	5.02	1.0416
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	100	100	104
% Extraction Accuracy		N/A	101	97	103
Relative Percent Difference		1	3	0	1
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

*Less than the Minimum Detection Limit.
This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez
Mario Rodriguez, Director.

03-11-09
Date

DP-1531

Advanced Analysis, Inc.

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

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 01/13/09 @ 1 °C
Reporting Date: 01/23/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 01/09/09 @ 10:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		01/15/09	01/22/09	01/20/09	01/21/09
Time Analysis Batch Started:		10:00	10:00	8:50	10:30
	Field error				
AN14091-1	MW3 MW-1	355	20	0.4	4.8
AN14091-2	MW-2	800	165	0.5	2.0
AN14091-3	MW1 MW-3	2,840	540	1.3	4.5
AN14091-4	PWRS	2,850	300	290	0.04
Date Analysis Batch Finished:		01/16/09	01/22/09	01/20/09	01/21/09
Time Analysis Batch Finished:		12:20	17:25	16:45	17:30
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		996	50	5.21	0.9747
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	104	97
% Extraction Accuracy		N/A	100	89	104
Relative Percent Difference		2	0	3	12
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

*Less than the Minimum Detection Limit.
This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez, Director.

01-23-09
Date

DP-1531

Advanced Analysis, Inc.

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ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (505) 762-9674
FAX: (505) 762-3749

Receiving Date: 08/22/08 @ 2 °C
Reporting Date: 09/02/08
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 08/20/08 @ 08:25
Sample Type: WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		08/25/08	08/25/08	08/25/08	08/21/08
Time Analysis Batch Started:		12:10	15:30	11:00	10:55
AM13504-1	PWRS	2,080	215	145	0.06
Date Analysis Batch Finished:		08/27/08	08/25/08	08/26/08	08/21/08
Time Analysis Batch Finished:		9:00	17:20	12:30	11:50
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		982	50	5.15	1.0446
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		98	100	103	104
% Extraction Accuracy		N/A	99	97	109
Relative Percent Difference		0	0	9	6
METHODS: EPA 600/4-79-020,		160.1	4500B-Cl^-	351.4	353.3

*Less than the Minimum Detection Limit.
This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez
Mario Rodriguez, Director.

09-02-08
Date

DP-1531

Advanced Analysis, Inc.

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

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 09/25/09 @ 1 °C
Reporting Date: 10/14/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 09/24/09 @ 8:20
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		09/28/09	10/06/09	10/08/09	10/01/09
Time Analysis Batch Started:		10:55	15:00	8:30	12:40
AN15192-1	MW 1	4,610	680	0.4	5.0
AN15192-2	MW 2	1,440	310	0.3	4.4
AN15192-3	MW 3	480	40	0.5	6.6
AN15192-4	PWRS	3,060	400	235	0.06
Date Analysis Batch Finished:		09/29/09	10/06/09	10/08/09	10/01/09
Time Analysis Batch Finished:		14:30	17:00	17:00	17:35
Blank		< 1	< 1	< 0.3	< 0.03
Quality Control		1014	50	4.97	0.5178
True Value QC		1000	50	5.00	0.5000
% Instrument Accuracy		101	100	99	104
Hi - Low %		90 - 110	95 - 105	85 - 115	85 - 115
% Extraction Accuracy		N/A	99	90	97
Relative Percent Difference		0	4	3	3
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez, Director.

10/14/09
Date

DP-1531

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GROUND WATER

JUL 21 2009

BUREAU

ANALYTICAL RESULTS FOR
ENVIROCOMPLIANCE SERVICES, INC.
ATTN: CHET WYANT
564 SR 523
CLOVIS, NM 88101-1023
PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 06/26/09 @ 0 °C
Reporting Date: 07/09/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 06/24/09 @ 14:00
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: MR
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		06/29/09	06/30/09	07/02/09	07/09/09
Time Analysis Batch Started:		11:10	10:00	8:45	10:05
AN14775-1	MW 2	1,620	360	< 0.2 *	2.5
AN14775-2	PWRS	2,070	190	135	1.3
Date Analysis Batch Finished:		06/30/09	06/30/09	07/02/09	07/09/09
Time Analysis Batch Finished:		12:05	11:25	17:00	12:05
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		998	50	5.12	0.9655
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	102	97
Hi - Low %		90 - 110	95 - 105	85 - 115	85 - 115
% Extraction Accuracy		N/A	99	93	97
Relative Percent Difference		0	2	5	1
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

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This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez
Mario Rodriguez, Director

07-09-09
Date

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PHONE: (575) 762-9674
FAX: (575) 762-3749

Receiving Date: 01/13/09 @ 1 °C
Reporting Date: 01/23/09
Project Number: DP-1531
Project Name: ARCH DIAMOND DAIRY
Project Location: PORTALES, NM

Sampling Date: 01/09/09 @ 10:30
Sample Type: WELL H_2O, WASTE H_2O
Sample Condition: COOL & INTACT
Sample Received By: SN
Analyzed By: ED, SN

LAB NUMBER	SAMPLE ID	TDS (mg/L)	Chlorides (mg/L)	TKN (mg/L)	NO_3-NO_2-N (mg/L)
Date Analysis Batch Started:		01/15/09	01/22/09	01/20/09	01/21/09
Time Analysis Batch Started:		10:00	10:00	8:50	10:30
	Field error				
AN14091-1	MW3 MW-1	355	20	0.4	4.8
AN14091-2	MW-2	800	165	0.5	2.0
AN14091-3	MW1 MW-3	2,840	540	1.3	4.5
AN14091-4	PWRS	2,850	300	290	0.04
Date Analysis Batch Finished:		01/16/09	01/22/09	01/20/09	01/21/09
Time Analysis Batch Finished:		12:20	17:25	16:45	17:30
Blank		< 1	< 1	< 0.2	< 0.01
Quality Control		996	50	5.21	0.9747
True Value QC		1000	50	5.00	1.0000
% Instrument Accuracy		100	100	104	97
% Extraction Accuracy		N/A	100	89	104
Relative Percent Difference		2	0	3	12
METHODS: EPA 600/4-79-020,		SM2540 C	SM4500B-Cl⁻	351.4	353.3

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This report meets NELAC Certificate # T104704437-08-TX

Mario Rodriguez, Director.

01-23-09
Date