DP-967

DP-967

Due Date: March 31, 2008
Date Submitted: November 22, 2008

Ricardo B. Jacquez
4185 Sotol Dr.
Las Cruces, NM 88011
505-522-8393

Ms. Kimberley Kirby
Environmental Scientist
NMED Ground Water Quality Bureau
5500 San Antonio Dr., NE
Albuquerque, NM 87109

Dear Ms. Kirby:

This correspondence addresses reporting of monitoring required for compliance with permit conditions for Las Uvas Valley Dairy, DP-342 and DP-967. The specific components of the monitoring report are described in subsequent sections of this letter.

Monitoring Report – First Quarter 2008

This monitoring report covers the time period 12/1/07 through 2/29/08. The information contained in this report includes:

- LADS, wastewater discharged to the land application area (Field #25),
- Wash water meter records, and volume of wash water discharged to the lagoon systems,
- Soil analysis (Field #25), and
- Monitoring well sample analyses.

LADS, Wastewater Discharged to Land Application Area

During December 2007 to February 2008, 21,646,100 gallons of wastewater (9,315,100 gallons from the LUV-6 Lagoon and 12,331,000 gallons from the Central Lagoon) and 18,835,700 gallons of freshwater were discharged to Field 25. Field 2 has an area of 165 acres. A summary of the records documenting the waters discharged to this field is enclosed with this letter.

The nitrogen content of the wastewater from the Central Lagoon and LUV-6 Lagoon are 267 mg/L and 464 mg/L, respectively (see enclosed lab analysis). The total nitrogen applied to the land application area is 63,505 lbs. The nitrogen application rate for this field is 385 lb N/acre. Field 25 is planted in triticale and was not harvested during the time period of this report. A summary of the LADS report is presented below.

A & L PLAINS AGRICULTURAL LABORATORIES, INC.
302 34th St. • P.O. Box 1590 • Lubbock, TX 79408 • (806) 763-4278
FAX (806) 763-2762 • www.al-labs-plains.com

REPORT NUMBER 08-050-301

Date of Report: 2/22/2008
Page 1

Sent To: Helena Chemical
P.O. Box 629
Mesquite, NM 88048

Las Uvas Dairy

Effluent Report

Lab No:	Sample Iden.	Sodium Na ppm	Sulfur S ppm	Calcium Ca ppm	Magnesium Mg ppm	Potassium K ppm	Phosphorus P ppm	Total Nitrogen ppm	Copper Cu ppm	Iron Fe ppm	Manganese Mn ppm	Zinc Zn ppm	E.C. mmhos/cm	pH
50263	LUV6-3	800	300	300	100	700	190	464	0	6	0	1	6.49	8.1
56264	Lagoon #3	600	100	100	100	500	110	267	0	0	0	2	5.32	8.0

Respectfully submitted,

by Jami Brown
A&L Plains Ag Labs, Inc.

This report applies only to the sample(s) tested. Samples are retained a maximum of thirty days after testing.
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020-,1983

Our reports and letters are for the exclusive and confidential use of our clients, and may not be reproduced in whole or in part, nor may any reference be made to the results or the company in any advertising, news release, or other public announcements."

DP-947

DP- 947

RECEIVED 2009

Due: April 1, 2009
Submitted: September 28, 2009

Ricardo B. Jacquez
4185 Sotol Dr.
Las Cruces, NM 88011
505-522-8393

Ms. Kimberley Kirby
Environmental Scientist
NMED Ground Water Quality Bureau
5500 San Antonio Dr., NE
Albuquerque, NM 87109

Dear Ms. Kirby:

This correspondence addresses reporting of monitoring required for compliance with permit conditions for Las Uvas Valley Dairy, DP-342 and DP-967. The specific components of the monitoring report are described in subsequent sections of this letter.

Monitoring Report – First Quarter 2009

This quarterly report covers the time period 12/1/08 through 2/28/09. The information contained in this report includes:

- Wash water meter records, and volume of wash water discharged to the lagoon systems,
- Land application of wastewater,
- Soil analysis, and
- Monitoring well sample analyses.

Wash Water Meter Records and Volume of Wash Water Discharge

Copies of the wash water meter records for the time period of this report are enclosed. The records are summarized in two categories: Wash Pen/Sprinkler Wash Water and Dairy/Equipment Wash Water. The wash water discharged to the individual lagoon systems is summarized below:

- Central Lagoon: total discharge = 15,731,090 gal
  - Wash Pen/Sprinkler = 7,460,570 gal
  - Dairy/Equipment = 8,270,520 gal

- LUV-6 Lagoons: total discharge = 6,136100 gal
  - Wash Pen/Sprinkler = 1,324,900 gal

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302 34th St. • P.O. Box 1590 • Lubbock, TX 79408 • (806) 763-4278
FAX (806) 763-2762 • www.al-labs-plains.com

REPORT NUMBER 09-117-301

Date of Report: May 6, 2009
Page 1

Submitted by:

Customer: Las Uvas Dairy

Sent To: Helena Chemical
P.O. Box 629
Mesquite, NM 88048

Effluent Report

Lab No:	Sample Id.	Sodium ppm	Sulfur ppm	Calcium ppm	Magnesium ppm	Potassium ppm	Phosphorus ppm	TKN ppm	Copper ppm	Iron ppm	Manganese ppm	Zinc ppm	E.C. mmhos/cm	pH
54849	Big Lagoon	500	170	200	100	1200	190	491	0	4	1	2	5.83	8.0
54950	Lov #6	600	140	300	100	1500	150	723	0	3	1	3	7.26	7.8
		lbs/acre inch												
54849	Big Lagoon	115.0	39.10	46.0	23.0	276.0	43.70	112.9	0.00	0.92	0.23	0.46	—	—
54950	Lov #6	138.0	32.20	69.0	23.0	345.0	34.50	166.3	0.00	0.69	0.23	0.69		

Respectfully submitted,

by [signature]
A&L Plains Ag Labs, Inc.

This report applies only to the sample(s) tested. Samples are retained a maximum of thirty days after testing.
Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, 1983

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05/06/2009 09:04 505-233-2280 HELENA CHEMI2 PAGE 01/01

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DP-967

Soil Water and Agricultural Testing Lab
New Mexico State University
BOX 30003
Las Cruces, NM 88003

Report # 0907310954

Date: 07/31/09

most recent data one of 4

ANALYTICAL REPORT

To: Big River Partnership
Attn: Holly Williams
PO Box 165
Garfield, NM 87936

Purchase Order #

Luv Dairy #6
DP-967
lagoon mw

Below are the results for submitted sample(s). (MDL=Method detection limit)

Sample I.D. AC23975

Sample Description: Well #3
Sample collection date: 07/18/09 — Sample collection time: 07:00
Submittal date: 07/20/09 — Submittal time: 10:23
WSS# — Request ID No. — Collector: BRADY
Sample Purpose: Compliance — Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500Cl-D	109.7	mg/L	0.5	07/29/09	CAW
Total Dissolved Solids	SM 2540C	1068	mg/L	27	07/23/09	BJH
Nitrate/nitrite as N	353.2	1.05	mg/L	0.02	07/27/09	CAW
Water Kjeldahl Nitrogen	351.2	Below Detect L	mg/L	0.3	07/22/09	CAW

Sample I.D. AC23976

Sample Description: Well #4
Sample collection date: 07/18/09 — Sample collection time: 08:25
Submittal date: 07/20/09 — Submittal time: 10:23
WSS# — Request ID No. — Collector: BRADY
Sample Purpose: Compliance — Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500Cl-D	102.7	mg/L	0.5	07/29/09	CAW
Total Dissolved Solids	SM 2540C	1162	mg/L	27	07/23/09	BJH
Nitrate/nitrite as N	353.2	3.50	mg/L	0.02	07/27/09	CAW
Water Kjeldahl Nitrogen	351.2	Below Detect L	mg/L	0.3	07/22/09	CAW

TR 967

Soil **W**ater and **A**gricultural **T**esting **Lab**
New Mexico State University
BOX 30003
Las Cruces, NM 88003

Report # 0904271041

Date: 04/27/09

2nd of 4 GW Data

ANALYTICAL REPORT

Highest GW nitrate MW-3

To: BIG RIVER 267-4992
ATTN: HOLLY WILLIAMS
PO BOX 165
GARFIELD, NM 87936

Purchase Order #

Below are the results for submitted sample(s). (MDL=Method detection limit)

Sample I.D. AC20449

Sample Description: LUV 4
Sample collection date: 04/15/09 Sample collection time: 07:00
Submittal date: 04/15/09 Submittal time: 14:46
WSS# Request ID No. Collector: BRADY
Sample Purpose: Compliance Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	108.1	mg/L	0.5	04/21/09	CAW
Total Dissolved Solids	SM 2540C	1196	mg/L	27	04/22/09	BJH
Nitrate/nitrite as N	353.2	3.32	mg/L	0.02	04/20/09	CAW
Water Kjeldahl Nitrogen	351.2	0.4	mg/L	0.3	04/21/09	CAW

Sample I.D. AC20450

Sample Description: LUV 3 = MW-3
Sample collection date: 04/15/09 Sample collection time: 08:15
Submittal date: 04/15/09 Submittal time: 14:46
WSS# Request ID No. Collector: BRADY
Sample Purpose: Compliance Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	112.8	mg/L	0.5	04/21/09	CAW
Total Dissolved Solids	SM 2540C	1027	mg/L	27	04/22/09	BJH
Nitrate/nitrite as N	353.2	1.20	mg/L	0.02	04/20/09	CAW
Water Kjeldahl Nitrogen	351.2	0.6	mg/L	0.3	04/21/09	CAW

3rd of 4
6 w Data

Sample I.D. AC17274

Sample Description: Luv #3 = mw3
Sample collection date: 01/06/09
Submittal date: 01/07/09
WSS# Request ID No.
Sample Purpose: Compliance

Sample collection time: 14:10
Submittal time: 11:13
Collector: BRADY WILLIA
Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	137.0	mg/L	0.5	01/15/09	CAW
Total Dissolved Solids	SM 2540C	1233	mg/L	27	01/14/09	BJH
Nitrate/nitrite as N	353.2	0.33	mg/L	0.02	01/09/09	CAW
Water Kjeldahl Nitrogen	351.2	0.50	mg/L	0.3	01/13/09	CAW

Sample I.D. AC17275

Sample Description: Luv #4
Sample collection date: 01/06/09
Submittal date: 01/07/09
WSS# Request ID No.
Sample Purpose: Compliance

Sample collection time: 11:43
Submittal time: 11:13
Collector: BRADY WILLIA
Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	99.3	mg/L	0.5	01/15/09	CAW
Total Dissolved Solids	SM 2540C	1266	mg/L	27	01/14/09	BJH
Nitrate/nitrite as N	353.2	2.22	mg/L	0.02	01/09/09	CAW
Water Kjeldahl Nitrogen	351.2	0.42	mg/L	0.3	01/13/09	CAW

Sample I.D. AC17276

Sample Description: Luv #5
Sample collection date: 01/06/09
Submittal date: 01/07/09
WSS# Request ID No.
Sample Purpose: Compliance

Sample collection time: 12:50
Submittal time: 11:13
Collector: BRADY WILLIA
Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	93.0	mg/L	0.5	01/15/09	CAW
Total Dissolved Solids	SM 2540C	3000	mg/L	27	01/14/09	BJH
Nitrate/nitrite as N	353.2	0.02	mg/L	0.02	01/09/09	CAW
Water Kjeldahl Nitrogen	351.2	0.37	mg/L	0.3	01/13/09	CAW

DR 967

Water and Agricultural Testing Lab
New Mexico State University
Box 30003
Las Cruces, NM 88003
(505)646-4422

Report # 0810031011

Date: 10/03/08

ANALYTICAL REPORT

To: Big River
PO Box 165
Garfield, NM 87936

267-4992

Purchase Order #

Below are the results for submitted sample(s). (MDL=Method detection limit)

Sample I.D. AC13325

Sample Description: Well #4
Sample collection date: 09/08/08 Sample collection time: 11:10
Submittal date: 09/08/08 Submittal time: 15:33
WSS# Request ID No. Collector: BRADY
Sample Purpose: Compliance Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	75.0	mg/L	0.5	09/15/08	CAW
Total Dissolved Solids	SM 2540C	772	mg/L	27	09/16/08	BJH
Nitrate/nitrite as N	353.2	1.67	mg/L	0.02	09/29/08	CAW
Water Kjeldahl Nitrogen	351.2	0.5	mg/L	0.3	09/16/08	CAW

Sample I.D. AC13326

Sample Description: Well #3
Sample collection date: 09/08/08 Sample collection time: 13:01
Submittal date: 09/08/08 Submittal time: 15:33
WSS# Request ID No. Collector: BRADY
Sample Purpose: Compliance Sampling Information: Grab

Element	Method	Result	Units	MDL	Date of Analysis	Analyst
Chloride by Autoanalyzer	4500-Cl_D	161.7	mg/L	0.5	09/15/08	CAW
Total Dissolved Solids	SM 2540C	1344	mg/L	27	09/16/08	BJH
Nitrate/nitrite as N	353.2	0.06	mg/L	0.02	09/29/08	CAW
Water Kjeldahl Nitrogen	351.2	1.0	mg/L	0.3	09/16/08	CAW