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INNOVATIVE
AG SERVICES

THE DAIRY, INC.

2023 Annual Report

X	Report Form	NA	Attachment H
X	Attachment A	NA	Attachment I
X	Attachment B	NA	Attachment J
X	Attachment C	X	Manure Tracking Manifests
X	Attachment D	NA	New or Revised Waste Water Agreements
X	Attachment E	X	Groundwater Monitoring Samples
X	Attachment F	NA	Monitoring Well Report
X	Attachment G	NA	Owner/Operator Change Form

Enclosed are the required documents to be submitted to the Regional Water Quality Control Board Central Valley Region in compliance with Order No. R5-2013-0122 Waste Discharge Requirements, General Order for Existing Milk Cow Dairies for July 1, 2024.

(See attached delivery confirmation)

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Annual Report

The Dairy, Inc. 2023

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

Facility Information:

Name of Dairy	The Dairy, Inc.
Facility Address	6240 21st, Lemoore CA 96245

Owner/Operator as of 12/31/2023

Operator Name	Bill Vander Poel
Operator Phone	(559) 280-4573
Owner Name	Bill Vander Poel
Owner Phone	(559) 280-4573

1. Beginning and end dates of the annual reporting period: crops harvested January 1, 2023 through December 31, 2023.

2. Maximum and average number and type of animals (see Attachment A).

3. Estimated amount of total manure and process wastewater generated by the facility (see Attachment A).

4. Estimated amount of total manure and process wastewater applied to each land application area (see Attachment B).

5. Quantified ratio of total nitrogen applied to land application areas and total nitrogen removed by crop harvest (see Attachment B).

6. Estimated amount of total manure and process wastewater transferred to other persons by the facility (see Attachment C).

7. Total number of acres and the Assessor Parcel Numbers for all land application areas that were not used for application of manure or process wastewater (see Attachment D).

8. Total number of acres and the Assessor Parcel Numbers for all land application areas that were used for land application of manure and process wastewater (see Attachment D).

9. Summary of manure and process wastewater discharges from the production area
Provide a summary of all manure and wastewater discharges from the production area to surface water or to land areas (land application areas or otherwise) when not in accordance with the facility's Nutrient Management Plan, that occurred during the annual reporting period, including the date, time, location, approximate volume, a map showing discharge and sample locations, rationale for sample locations, and method of measuring discharge flows:

X No discharges occurred during the reporting period.

__ Yes. ____ Number of discharges occurred (see Attachment H).

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The Dairy, Inc. 2023

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
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10. Summary of storm water discharges from the production area
Provide a summary of all storm water discharges from the production area to surface water, that occurred during the annual reporting period, including the date, time, approximate volume, duration, location, a map showing discharge and sample locations, rationale for sample locations, and method of measuring discharge flows:

X No discharges occurred during the reporting period.

__ Yes. ____ Number of discharges occurred (see Attachment I).

11. Summary of discharges from the land application area
Provide a summary of all discharges from the land application area to surface water, that occurred during the annual reporting period, including the date, time, approximate volume, location, source of discharge (i.e. tailwater, wastewater or blended wastewater), a map showing discharge and sample locations, rationale for sample locations, and method of measuring discharge flows:

X No discharges occurred during the reporting period.

__ Yes. ____ Number of discharges occurred (see Attachment J).

12. Nutrient Management Plan update
Has the NMP been updated, and if so, was it updated by a Certified Nutrient Management Specialist?

__ No.

X Yes, the new NMP was developed and approved by a Certified Nutrient Management Specialist.

13. Manure/Process Wastewater Tracking Manifests
Did you sell, give away, or otherwise remove manure or process wastewater from your property?

__ No.

X Yes, see attached manifests.

14. Written Agreements
Any process wastewater transferred to a third party that receives process wastewater from your dairy for its own use must have a written agreement consistent with State requirements. Attach copies of revised and/or new agreements not submitted previously. Do not resubmit agreements submitted previously.

X Not applicable; no written agreements.

__ No changes in agreement(s).

__ Yes, a new or revised agreement is attached.

15. Laboratory Analyses for Discharges
If you answered Yes to items #9, 10, or 11 above, attach copies of all laboratory analyses for all discharges (manure, process wastewater or tailwater), surface water (upstream and downstream of a discharge), and storm water, including chain-of-custody forms and laboratory quality assurance/quality control results, as applicable. (Results for Manure and process wastewater, storm water, and/or storm water are provided).

X Not Applicable.

__ Yes, provided with Attachment H, I, or J for #9, 10 and 11, respectively.

16. Tabulated Nutrient Analytical Data
Attach tabulated analytical data for samples of manure, process wastewater, irrigation water, soil, and plant tissue. The data shall be tabulated to clearly show sample dates, constituents analyzed, constituent concentrations, and detection limits (see Attachment E).

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The Dairy, Inc. 2023

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17. Record-Keeping Results

Attach results of the Record-Keeping Requirements for the production and land application areas specified in Record-Keeping Requirements. These include:

* Records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.
* Records of the date, time, and estimated volume of any overflow or bypass of the wastewater storage or conveyance structures.
* Expected and actual crop yields (see Attachment F).
* Identification of crop, acreage, and dates of planting and harvest for each field (see Attachment F).
* Dates, locations, and approximate weight and moisture content of manure applied to each field (see Attachment B).
* Dates, locations, and volume of process wastewater applied to each field (see Attachment B).
* Whether precipitation occurred, or standing water was present at the time of manure and process wastewater applications and for 24 hours prior to and following applications (see Attachment G).
* Total amount of nitrogen, phosphorus, and potassium actually applied to each field, including documentation of calculations for the total amount applied (see Attachment B).

18. Groundwater Monitoring Section

_X_ Groundwater monitoring results are attached.

__ Monitoring Well results are attached, if applicable.

A. All dischargers must attach groundwater information for supply wells and subsurface (tile) drainage systems including the location of sample collection and all field and laboratory data, including all laboratory analyses (including chain-of-custody forms and laboratory quality assurance/quality control results).

B. Dischargers who have monitoring well systems shall include all laboratory analyses (including chain-of-custody forms and laboratory quality assurance/quality control results) and tabular and graphical summaries of the monitoring data. Data shall be tabulated to clearly show the sample dates, constituents analyzed, constituent concentrations, detection limits, depth to groundwater and groundwater elevations. Graphical summaries of groundwater gradients and flow directions shall also be included. Each groundwater monitoring report shall include a summary data table for all historical and current groundwater elevations and analytical results. The groundwater monitoring results shall be certified by a California registered professional.

19. Storm Water Reporting Section

_X_ No significant discharges of storm water occurred from the land application areas.

__ Yes, significant discharge(s) of storm water occurred from land application areas. The following information shall be submitted for those discharges.

__ It was not possible to collect any of the required samples or perform visual observations due to adverse climatic conditions.

20. Mortality Management Practices

* Dead cows are picked up and disposed of by rendering service.

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The Dairy, Inc. 2023

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"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Same as owner	DocuSigned by: Bill Vander Poel E2DAC6D6FB7A494...
Signature of Operator of Facility	Signature of Owner of Facility
Bill Vander Poel	Bill Vander Poel
Print Name	Print Name
6/28/2024	6/28/2024
Title and Date	Title and Date

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The Dairy, Inc. 2023

Estimated Manure and Nutrients Generated (Attachment A)

Animal Type	Maximum No. of Head	Average No. of Head*	Housing Type	Weight	Total Manure Produced (tons/year)	NITROGEN Net (LB) Available for Land Application	PHOSPHORUS Net (LB) Available for Land Application	POTASSIUM Net (LB) Available for Land Application	SALTS Net (LB) Available for Land Application
Jer Milk Cows	1,126	1,097	Milk Dry Scrape -	1,000	25,509.08	284,287.55	48,048.60	64,064.80	516,522.45
Jer Dry Cows	33	32	Dry Scrape	1,100	421.98	4,204.80	584.00	2,803.20	5,840.00
	1,159	**1,129**			**25,931.06**	**288,492.35**	**48,632.60**	**66,868.00**	**522,362.45**

* The Average No. of Head is used to calculate manure and nutrient production

Estimated Amount of Total Process Wastewater and Nutrients Generated

Total Gallons of Process Wastewater Generated***	Average TKN Concentration (mg/L)*	Average Total Phosphorus Concentration (mg/L)*	Average Potassium Concentration (mg/L)*	Average Total Dissolved Solids (mg/L)*	Total Nitrogen Generated (lb)**	Total Phosphorus Generated (lb)**	Total Potassium Generated (lb)**	Total Salt Generated (lb)**
20,637,268	115.78	22.51	70.78	694.25	19,902.70	3,869.23	12,166.82	119,347.44

* The average Total Kjeldahl Nitrogen, Total Phosphorus, Total Potassium, and Total Salt concentrations are based on an average of all process wastewater sample results for the year.
** The total pounds of Nitrogen, Phosphorus, Potassium and Total Dissolved Solids generated = Average Concentration (mg/L) X Total Gallons of Wastewater Generated X 8.33 X 0.000001.
*** The total gallons of process wastewater generated is calculated as the total gallons of process wastewater applied to all land application areas (Attachment B) plus the total gallons of process wastewater transferred offsite (Attachment C).

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 1

Wheat, 35 Acres Planted on 11/14/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/09/2022	Corral Solids: Main Corral	7.00	Tons	24.11	1.73	0.83	2.60	%	245		6,433	3,086	9,668	0	
10/12/2022	Surface Water: Laguna	4.00	Acre Inches		0.00			mg/L			0	0	0	0	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			490				
02/01/2023	Surface Water: Laguna	2.80	Acre Inches		0.00			mg/L			0	0	0	0	
02/01/2023	Waste Water: Main Lagoon	2.20	Acre Inches		101.00	32.40	127.00	mg/L		2,090,881	1,759	564	2,212	16,546	
03/02/2023	Surface Water: Laguna	2.60	Acre Inches		0.00			mg/L			0	0	0	0	
03/02/2023	Waste Water: Main Lagoon	1.40	Acre Inches		101.00	32.40	127.00	mg/L		1,330,561	1,119	359	1,408	10,529	
04/15/2023	Surface Water: Laguna	3.20	Acre Inches		0.00			mg/L			0	0	0	0	
05/08/2023	Surface Water: Laguna	3.00	Acre Inches		0.00			mg/L			0	0	0	0	
05/29/2023	Harvest	17.80	Tons	60.88	1.47	0.30	2.30	%							7,165
	Acre Inches Applied:	**19.20**						**Totals:**	**245**	**3,421,442**	**9,802**	**4,010**	**13,288**	**27,076**	**7,165**
Season Nitrogen Ratio:	1.37							**Lbs Per Acre:**			**280**	**115**	**380**	**774**	**205**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 1

Corn, 35 Acres Planted on 06/25/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/08/2023	Corral Solids: Main Corral	12.00	Tons	24.11	1.73	0.83	2.60	%	420		11,028	5,291	16,574	0	
06/11/2023	Surface Water: Laguna	5.30	Acre Inches		0.00			mg/L			0	0	0	0	
07/08/2023	Surface Water: Laguna	5.10	Acre Inches		0.00			mg/L			0	0	0	0	
07/27/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
07/27/2023	Waste Water: Main Lagoon	2.00	Acre Inches		29.50	5.94	24.90	mg/L		1,900,801	467	94	394	8,186	
08/10/2023	Surface Water: Laguna	5.90	Acre Inches		0.00			mg/L			0	0	0	0	
08/10/2023	Waste Water: Main Lagoon	2.00	Acre Inches		29.50	5.94	24.90	mg/L		1,900,801	467	94	394	8,186	
08/28/2023	Surface Water: Laguna	5.60	Acre Inches		0.00			mg/L			0	0	0	0	
09/19/2023	Surface Water: Laguna	5.30	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	30.25	Tons	33.78	1.23	0.28	1.73	%							17,247
	Acre Inches Applied:	**37.00**						**Totals:**	**420**	**3,801,602**	**11,963**	**5,479**	**17,362**	**16,372**	**17,247**
Season Nitrogen Ratio:	0.69							**Lbs Per Acre:**			**342**	**157**	**496**	**468**	**493**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 2

Wheat, 25 Acres Planted on 11/16/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/09/2022	Corral Solids: Main Corral	5.00	Tons	24.11	1.73	0.83	2.60	%	125		3,282	1,575	4,933	0	
10/13/2022	Surface Water: Laguna	4.80	Acre Inches		0.00			mg/L			0	0	0	0	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			350				
01/31/2023	Surface Water: Laguna	4.50	Acre Inches		0.00			mg/L			0	0	0	0	
02/18/2023	Surface Water: Laguna	2.60	Acre Inches		0.00			mg/L			0	0	0	0	
02/18/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		1,357,715	1,142	366	1,436	10,744	
03/01/2023	Surface Water: Laguna	4.20	Acre Inches		0.00			mg/L			0	0	0	0	
05/02/2023	Surface Water: Laguna	3.30	Acre Inches		0.00			mg/L			0	0	0	0	
05/29/2023	Harvest	18.20	Tons	64.48	1.30	0.28	2.13	%							4,202
	Acre Inches Applied:	**21.40**						**Totals:**	**125**	**1,357,715**	**4,774**	**1,941**	**6,369**	**10,744**	**4,202**
Season Nitrogen Ratio:	1.14							**Lbs Per Acre:**			**191**	**78**	**255**	**430**	**168**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 2

Corn, 25 Acres Planted on 06/25/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/03/2023	Corral Solids: Main Corral	10.00	Tons	24.11	1.73	0.83	2.60	%	250		6,564	3,150	9,866	0	
06/05/2023	Surface Water: Laguna	5.50	Acre Inches		0.00			mg/L			0	0	0	0	
07/10/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
07/31/2023	Surface Water: Laguna	5.75	Acre Inches		0.00			mg/L			0	0	0	0	
08/14/2023	Surface Water: Laguna	5.90	Acre Inches		0.00			mg/L			0	0	0	0	
09/01/2023	Surface Water: Laguna	5.40	Acre Inches		0.00			mg/L			0	0	0	0	
09/30/2023	Surface Water: Laguna	5.60	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	29.70	Tons	42.09	1.38	0.38	1.91	%							11,868
	Acre Inches Applied:	**33.95**						**Totals:**	**250**		**6,564**	**3,150**	**9,866**	**0**	**11,868**
Season Nitrogen Ratio:	0.55							**Lbs Per Acre:**			**263**	**126**	**395**	**0**	**475**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 3

Wheat, 7 Acres Planted on 11/14/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/12/2022	Corral Solids: Main Corral	5.00	Tons	24.11	1.73	0.83	2.60	%	35		919	441	1,381	0	
10/15/2022	Surface Water: Laguna	4.40	Acre Inches		0.00			mg/L			0	0	0	0	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			98				
02/11/2023	Surface Water: Laguna	4.25	Acre Inches		0.00			mg/L			0	0	0	0	
03/02/2023	Surface Water: Laguna	2.30	Acre Inches		0.00			mg/L			0	0	0	0	
03/02/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		380,160	320	103	402	3,008	
04/22/2023	Surface Water: Laguna	4.10	Acre Inches		0.00			mg/L			0	0	0	0	
05/08/2023	Surface Water: Laguna	4.20	Acre Inches		0.00			mg/L			0	0	0	0	
05/29/2023	Harvest	17.40	Tons	62.87	1.28	0.28	1.89	%							1,158
	Acre Inches Applied:	**21.25**						**Totals:**	**35**	**380,160**	**1,337**	**544**	**1,783**	**3,008**	**1,158**
Season Nitrogen Ratio:	1.15							**Lbs Per Acre:**			**191**	**78**	**255**	**430**	**165**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 3

Corn, 7 Acres Planted on 06/28/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/01/2023	Corral Solids: Main Corral	10.00	Tons	24.11	1.73	0.83	2.60	%	70		1,838	882	2,762	0	
06/03/2023	Surface Water: Laguna	5.50	Acre Inches		0.00			mg/L			0	0	0	0	
07/06/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
07/28/2023	Surface Water: Laguna	5.75	Acre Inches		0.00			mg/L			0	0	0	0	
08/19/2023	Surface Water: Laguna	5.90	Acre Inches		0.00			mg/L			0	0	0	0	
09/01/2023	Surface Water: Laguna	5.60	Acre Inches		0.00			mg/L			0	0	0	0	
09/22/2023	Surface Water: Laguna	5.30	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	31.20	Tons	64.00	1.24	0.23	1.22	%							1,950
	Acre Inches Applied:	**33.85**						**Totals:**	**70**		**1,838**	**882**	**2,762**	**0**	**1,950**
Season Nitrogen Ratio:	0.94							**Lbs Per Acre:**			**263**	**126**	**395**	**0**	**279**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 4

Wheat, 12 Acres Planted on 11/15/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/10/2022	Corral Solids: Main Corral	5.00	Tons	24.11	1.73	0.83	2.60	%	60		1,575	756	2,368	0	
10/12/2022	Surface Water: Laguna	4.60	Acre Inches		0.00			mg/L			0	0	0	0	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			168				
01/31/2023	Surface Water: Laguna	2.60	Acre Inches		0.00			mg/L			0	0	0	0	
01/31/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		651,703	548	176	689	5,157	
02/20/2023	Surface Water: Laguna	2.60	Acre Inches		0.00			mg/L			0	0	0	0	
02/20/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		651,703	548	176	689	5,157	
03/05/2023	Surface Water: Laguna	4.60	Acre Inches		0.00			mg/L			0	0	0	0	
04/29/2023	Surface Water: Laguna	3.00	Acre Inches		0.00			mg/L			0	0	0	0	
05/30/2023	Harvest	18.20	Tons	64.68	1.37	0.29	1.85	%							2,114
	Acre Inches Applied:	**21.40**						**Totals:**	**60**	**1,303,406**	**2,840**	**1,108**	**3,747**	**10,314**	**2,114**
Season Nitrogen Ratio:	1.34							**Lbs Per Acre:**			**237**	**92**	**312**	**860**	**176**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 4

Corn, 12 Acres Planted on 06/20/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/02/2023	Corral Solids: Main Corral	10.00	Tons	24.11	1.73	0.83	2.60	%	120		3,151	1,512	4,736	0	
06/05/2023	Surface Water: Laguna	5.60	Acre Inches		0.00			mg/L			0	0	0	0	
07/06/2023	Surface Water: Laguna	5.70	Acre Inches		0.00			mg/L			0	0	0	0	
07/31/2023	Surface Water: Laguna	5.90	Acre Inches		0.00			mg/L			0	0	0	0	
07/31/2023	Waste Water: Main Lagoon	2.00	Acre Inches		29.50	5.94	24.90	mg/L		651,703	160	32	135	2,807	
08/12/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
08/12/2023	Waste Water: Main Lagoon	2.00	Acre Inches		29.50	5.94	24.90	mg/L		651,703	160	32	135	2,807	
09/01/2023	Surface Water: Laguna	5.50	Acre Inches		0.00			mg/L			0	0	0	0	
09/27/2023	Surface Water: Laguna	5.30	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	30.80	Tons	64.00	1.24	0.23	1.22	%							3,300
	Acre Inches Applied:	**37.80**						**Totals:**	**120**	**1,303,406**	**3,471**	**1,576**	**5,006**	**5,613**	**3,300**
Season Nitrogen Ratio:	1.05							**Lbs Per Acre:**			**289**	**131**	**417**	**468**	**275**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 5

Wheat, 5 Acres Planted on 11/16/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/08/2022	Corral Solids: Main Corral	5.00	Tons	24.11	1.73	0.83	2.60	%	25		656	315	987	0	
10/12/2022	Surface Water: Laguna	3.60	Acre Inches		0.00			mg/L			0	0	0	0	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			70				
01/15/2023	Surface Water: Laguna	2.30	Acre Inches		0.00			mg/L			0	0	0	0	
01/15/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		271,543	228	73	287	2,149	
02/01/2023	Surface Water: Laguna	4.50	Acre Inches		0.00			mg/L			0	0	0	0	
03/06/2023	Surface Water: Laguna	3.10	Acre Inches		0.00			mg/L			0	0	0	0	
04/15/2023	Surface Water: Laguna	3.20	Acre Inches		0.00			mg/L			0	0	0	0	
05/01/2023	Surface Water: Laguna	3.90	Acre Inches		0.00			mg/L			0	0	0	0	
05/30/2023	Harvest	17.90	Tons	64.81	1.31	0.29	1.76	%							825
	Acre Inches Applied:	**22.60**						**Totals:**	**25**	**271,543**	**955**	**388**	**1,274**	**2,149**	**825**
Season Nitrogen Ratio:	1.16							**Lbs Per Acre:**			**191**	**78**	**255**	**430**	**165**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 5

Corn, 5 Acres Planted on 06/20/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
06/06/2023	Corral Solids: Main Corral	10.00	Tons	24.11	1.73	0.83	2.60	%	50		1,313	630	1,973	0	
06/09/2023	Surface Water: Laguna	5.50	Acre Inches		0.00			mg/L			0	0	0	0	
07/05/2023	Surface Water: Laguna	5.60	Acre Inches		0.00			mg/L			0	0	0	0	
08/01/2023	Surface Water: Laguna	5.75	Acre Inches		0.00			mg/L			0	0	0	0	
08/27/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
09/10/2023	Surface Water: Laguna	5.40	Acre Inches		0.00			mg/L			0	0	0	0	
09/25/2023	Surface Water: Laguna	5.20	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	31.30	Tons	64.00	1.24	0.23	1.22	%							1,397
	Acre Inches Applied:	**33.25**						**Totals:**	**50**		**1,313**	**630**	**1,973**	**0**	**1,397**
Season Nitrogen Ratio:	0.94							**Lbs Per Acre:**			**263**	**126**	**395**	**0**	**279**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 6

Wheat, 14 Acres Planted on 11/18/2022

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
10/10/2022	Corral Solids: Main Corral	5.00	Tons	24.11	1.73	0.83	2.60	%	70		1,838	882	2,762	0	
10/12/2022	Surface Water: Laguna	4.00	Acre Inches		0.00			mg/L			0	0	0	0	
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			196				
01/07/2023	Surface Water: Laguna	4.80	Acre Inches		0.00			mg/L			0	0	0	0	
01/31/2023	Surface Water: Laguna	4.00	Acre Inches		0.00			mg/L			0	0	0	0	
01/31/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		760,320	640	205	804	6,017	
02/27/2023	Surface Water: Laguna	4.80	Acre Inches		0.00			mg/L			0	0	0	0	
02/27/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		760,320	640	205	804	6,017	
05/30/2023	Harvest	18.90	Tons	65.02	1.30	0.29	1.81	%							2,406
	Acre Inches Applied:	**21.60**						**Totals:**	**70**	**1,520,641**	**3,313**	**1,292**	**4,371**	**12,034**	**2,406**
Season Nitrogen Ratio:	1.38							**Lbs Per Acre:**			**237**	**92**	**312**	**860**	**172**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 7

Corn, 25 Acres Planted on 06/02/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			350				
05/11/2023	Corral Solids: Main Corral	7.00	Tons	24.11	1.73	0.83	2.60	%	175		4,595	2,204	6,906	0	
05/15/2023	Surface Water: Laguna	5.00	Acre Inches		0.00			mg/L			0	0	0	0	
06/18/2023	Surface Water: Laguna	5.75	Acre Inches		0.00			mg/L			0	0	0	0	
06/18/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		1,357,715	1,142	366	1,436	10,744	
07/04/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
07/24/2023	Surface Water: Laguna	5.50	Acre Inches		0.00			mg/L			0	0	0	0	
07/24/2023	Waste Water: Main Lagoon	2.00	Acre Inches		29.50	5.94	24.90	mg/L		1,357,715	334	67	282	5,847	
08/19/2023	Surface Water: Laguna	5.40	Acre Inches		0.00			mg/L			0	0	0	0	
09/23/2023	Surface Water: Laguna	5.00	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	31.10	Tons	66.55	1.22	0.19	1.05	%							6,346
	Acre Inches Applied:	**36.45**						**Totals:**	**175**	**2,715,430**	**6,421**	**2,638**	**8,624**	**16,592**	**6,346**
Season Nitrogen Ratio:	1.01							**Lbs Per Acre:**			**257**	**106**	**345**	**664**	**254**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Field Name: 8

Corn, 42 Acres Planted on 06/04/2023

Date	Event/Source	Amount Applied/Yield (per Acre)	Units	Lab Sample Data % Moist.	Nitrogen	Phos.	Potass.	Units	Manure Applied (Tons)	Wastewater Applied (Gallons)	Nitrogen Applied (Lbs)	Phosphorus Applied (Lbs)	Potassium Applied (Lbs)	Salt Applied (Lbs)	Nitrogen Extracted (Lbs)
01/01/2023	Atmospheric Deposit	14.00	Pounds		100.00			%			588				
05/11/2023	Corral Solids: Main Corral	7.00	Tons	24.11	1.73	0.83	2.60	%	294		7,720	3,704	11,602	0	
05/13/2023	Surface Water: Laguna	5.50	Acre Inches		0.00			mg/L			0	0	0	0	
06/23/2023	Surface Water: Laguna	5.80	Acre Inches		0.00			mg/L			0	0	0	0	
07/02/2023	Surface Water: Laguna	5.75	Acre Inches		0.00			mg/L			0	0	0	0	
07/02/2023	Waste Water: Main Lagoon	2.00	Acre Inches		101.00	32.40	127.00	mg/L		2,280,961	1,919	616	2,413	18,050	
07/25/2023	Surface Water: Laguna	5.90	Acre Inches		0.00			mg/L			0	0	0	0	
07/25/2023	Waste Water: Main Lagoon	2.00	Acre Inches		29.50	5.94	24.90	mg/L		2,280,961	561	113	473	9,823	
08/10/2023	Surface Water: Laguna	5.60	Acre Inches		0.00			mg/L			0	0	0	0	
09/12/2023	Surface Water: Laguna	5.40	Acre Inches		0.00			mg/L			0	0	0	0	
10/09/2023	Harvest	29.60	Tons	64.70	1.28	0.25	1.47	%							11,235
	Acre Inches Applied:	**37.95**						**Totals:**	**294**	**4,561,922**	**10,788**	**4,432**	**14,488**	**27,874**	**11,235**
Season Nitrogen Ratio:	0.96							**Lbs Per Acre:**			**257**	**106**	**345**	**664**	**267**

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The Dairy, Inc. 2023

Nutrient Applications (Attachment B)

Summary of Nutrient Applications, Removal, and Balance

	Total N (Lbs)	Total P (Lbs)	Total K (Lbs)	Total Salts (Lbs)	Total Manure Applied	
Solid Manure	50,914.81	24,426.70	76,518.13	0.00	1,939.00	tons
Process Wastewater	12,155.39	3,643.35	14,394.76	131,776.06	20,637,268.00	gallons
Irrigation Water	0.00					
Fertilizer / Total Imports	0.00					
Atmospheric Deposition	2,310.00					
Total Nitrogen Applied	**65,380.20**					
Crop Nitrogen Removal	71,212.09					
Nitrogen Balance	**(5,831.89)**					
Nitrogen Ratio	**0.92**					

- **Nutrient applications shown in Attachment B are on a crop year basis.**
- **Lab sample data results for applications are based on the sample taken closest to the application date. Lab sample data results are shown on 100% dry basis for manure applications and harvest events.**
- **Well Avg: Irrigation source representing the average nutrient values of all irrigation wells sampled for the facility during the reporting year.**

**** Book Value: No sample data results were available. For manure applications and plant tissue harvests, the calculations were based off book values.**

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The Dairy, Inc. 2023
Nutrient Applications (Attachment B)

FIELD NITROGEN RATIO Calculation:

"Field Nitrogen Ratio" = "Total Nitrogen Applied to Field" / "Total Nitrogen Extracted from Field at Harvest"

ATMOSHERIC DEPOSITION Applied (lbs) Calculation:

"Nitrogen Applied (Lbs)" = "14 Lbs (per year) * "Acres Planted"

HARVEST Nitrogen Extraction (Lbs) Calculation:

"Nitrogen Extracted (Lbs)" = ("Yield" (tons per acre) * 2000) * ((100 - "% Moisture") / 100 * "Lab Sample Data Nitrogen Value" / 100) * "Acres Planted"

IRRIGATION Nitrogen and Salts Applied (Lbs) Calculations:

"Nitrogen Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Nitrogen Value" * 0.000001) * "Acres Planted"

"Salts Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data TDS Value" * 0.000001) * "Acres Planted"

PROCESS WASTEWATER Nitrogen, Phosphorus, Potassium and Salts Applied (Lbs) Calculations:

Nitrogen Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Nitrogen Value" * 0.000001) * "Acres Planted"

Phosphorus Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Phosphorus Value" * 0.000001) * "Acres Planted"

Potassium Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data Potassium Value" * 0.000001) * "Acres Planted"

Salt Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ("Lab Sample Data TDS Value" * 0.000001) * "Acres Planted"

SOLID MANURE (Corral, Separator, or Compost) Nitrogen, Phosphorus, Potassium and Salts Applied (Lbs) Calculations:

Nitrogen Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Nitrogen Value"/100) * "Acres Planted"

Phosphorus Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Phosphorus Value"/100) * "Acres Planted"

Potassium Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Potassium Value"/100) * "Acres Planted"

Salt Applied (Lbs)" = "Lbs Applied per Acre" (see below) * ((100 - "% Moisture")/100 * "Lab Sample Data Ash Value"/100) * "Acres Planted"

"Lbs Applied per Acre" Calculations:

If "Application Units" = Tons, Then "Lbs Applied per Acre" = "Application Amount" (per Acre) * 2000

If "Application Units" = Acres Inches, Then "Lbs Applied per Acre" = "Application Amount" (per Acre) * 8.33 *27,154.3

If "Application Units" = Acre Feet, Then Lbs Applied per Acre" = "Application Amount" (per Acre) * 8.33 * 325,851

If "Application Units" = Gallons, Then "Lbs Applied per Acre" = "Application Amount' (per Acre) * 8.33

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The Dairy, Inc. 2023

Estimated Manure and Process Wastewater/Nutrients Transferred Off-Site (Attachment C)

A. ESTIMATED TOTAL MANURE TRANSFERRED OFFSITE

Total Manure Exported (tons)*	Total Nitrogen Exported (lbs)**	Total Phosphorus Exported (lbs)**	Total Potassium Exported (lbs)**	Total Salts Exported (lbs)**
1,650	43,325.60	20,786.27	65,113.62	0.00

* The Total Manure (tons) should be calculated as the sum of all manure transferred offsite as reported in all the Manure/Process Wastewater Tracking Manifests for the reporting period.
** Total (N, P, K, Salts) (lbs) = Sum of (N, P, K, Salts) for each manure export event based on (Manure(tons) x 2000lb/ton) x ((100-moisture%)/100) x (N, P, K, and Ash) Concentration (%, dry weight) / 100 using the samples closest in date to the export event.

B. ESTIMATED TOTAL PROCESS WASTEWATER TRANSFERRED OFFSITE

Total Process Wastewater Exported (gal)*	Total Nitrogen Exported (lbs)**	Total Phosphorus Exported (lbs)**	Total Potassium Exported (lbs)**	Total TDS Exported (lbs)**

* The Total Manure (gals) should be calculated as the sum of all manure transferred offsite as reported in all the Manure/Process Wastewater Tracking Manifests for the reporting period.
** Total (Nitrogen, Phosphorus, Potassium, TDS) (lbs) = Sum of (Nitrogen, Phosphorus, Potassium, TDS) for each wastewater export event based on (Process Wastewater(gals) x 8.33lb/gal) x (N03-N or TKN, P, K, TDS) x 10-6 using the samples closest in date to the export event.

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The Dairy, Inc. 2023

Land Application Area Description Technical Report (Attachment D)

Field Name	Assessor Parcel Number(s)	Acres	Type of Waste Applied
1	0041 1000 2000 xxxx, 0041 1003 8000 xxxx	35	Both
2	0041 1000 3000 xxxx	25	Both
3	0041 1000 5000 xxxx, 0041 1000 6000 xxxx	7	Both
4	0041 1001 8000 xxxx	12	Both
5	0041 1000 3000 xxxx	5	Both
6	0041 1000 7000 xxxx, 0041 1000 8000 xxxx	14	Both
7	0041 1000 8000 xxxx	25	Both
8	0041 1000 4000 xxxx	42	Both
		165	

Production Area APN(s): 0041 1000 4000 xxxx, 0041 1000 5000 xxxx, 0041 1000 6000 xxxx, 0041 1000 7000 xxxx

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The Dairy, Inc. 2023
Lab Results Summary (Attachment E)

Process Wastewater
(mgl/ppm unless noted otherwise)

Sample Date:	TKN	TP	TK	EC (umhos/cm)	NH4N	NO3N	TDS	pH (units)	General Minerals CA	MG	NA	HCO3	CO3	SO4	CL
05/09/2023	101.00	32.40	127.00	2,060	77.40	0.20	950.00	8.00							
08/31/2023	44.60	9.89	44.10	1,010	31.00		650.00								
08/31/2023	29.50	5.94	24.90	751	18.80		517.00								
10/09/2023	288.00	41.80	87.10	1,180	37.80		660.00								
Averages:	115.78	22.51	70.78	1,250	41.25	0.20	694.25	8.00							

Manure - Corral Solids
(Dry Weight Basis)

Sample Date:	TN	TP	TK	Moisture	Ash	CA	MG	NA	S	CL
08/31/2023	1.73	0.83	2.60	24.11						%
10/09/2023	1.30	0.32	0.39	63.56						%
Averages:	1.52	0.58	1.50	43.84						

Plant Tissue
(Dry Weight Basis)

Field:	Crop #:	Crop	Sample Date:	TN (lbs/ton)	TP (lbs/ton)	TK (lbs/ton)	Moisture (%)	Ash (%)
1	1	Wheat	05/29/2023	29.40	6.00	46.00	60.88	9.90
1	2	Corn	10/09/2023	24.60	5.60	34.60	33.78	9.70

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The Dairy, Inc. 2023
Lab Results Summary (Attachment E)

Plant Tissue
(Dry Weight Basis)

Field:	Crop #:	Crop	Sample Date:	TN (lbs/ton)	TP (lbs/ton)	TK (lbs/ton)	Moisture (%)	Ash (%)
2	1	Wheat	05/29/2023	26.00	5.60	42.60	64.48	11.00
2	2	Corn	10/09/2023	27.60	7.60	38.20	42.09	8.50
3	1	Wheat	05/29/2023	25.60	5.60	37.80	62.87	9.90
3	2	Corn	10/09/2023	24.80	4.60	24.40	64.00	6.10
4	1	Wheat	05/30/2023	27.40	5.80	37.00	64.68	10.10
4	2	Corn	10/09/2023	24.80	4.60	24.40	64.00	6.10
5	1	Wheat	05/30/2023	26.20	5.80	35.20	64.81	9.30
5	2	Corn	10/09/2023	24.80	4.60	24.40	64.00	6.10
6	1	Wheat	05/30/2023	26.00	5.80	36.20	65.02	8.90
7	1	Corn	10/09/2023	24.40	3.80	21.00	66.55	6.20
8	1	Corn	10/09/2023	25.60	5.00	29.40	64.70	8.30

Well / Irrigation Water
(mgl/ppm unless noted otherwise)

								General Minerals						
	Sample Date:	NO3N	TP	EC (umhos/cm)	NH4N *	TDS	TN	CA	MG	NA	HCO3	CO3	SO4	CL
Domestic														
DW-MB	08/31/2023	0.00		484	0.00									

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The Dairy, Inc. 2023

Lab Results Summary (Attachment E)

Well / Irrigation Water

(mgl/ppm unless noted otherwise)

							General Minerals						
	Sample Date:	**NO3N**	**TP**	**EC (umhos/cm)**	**NH4N ***	**TDS**	**TN**	**CA**	**MG**	**NA**	**HCO3**	**CO3**	**SO4**	**CL**
Domestic														
DW	12/06/2023	0.00		515	0.00									
DW2	12/06/2023	0.00		394	0.00									
	Averages:	0.00		464	0.00									

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The Dairy, Inc. 2023
Lab Results Summary (Attachment E)

Well / Irrigation Water
(mgl/ppm unless noted otherwise)

							General Minerals						
	Sample Date:	NO3N	TP	EC (umhos/cm)	NH4N *	TDS	TN	CA	MG	NA	HCO3	CO3	SO4	CL
Irrigation														
1	12/04/2023	8.20		672	0.00									
1A	12/06/2023	4.70		564	0.00									
2	12/04/2023	2.70		305	0.00									
3	12/04/2023	3.90		271	0.00									
3A							Did not run							
4	12/04/2023	20.50		1,550	0.00									
5	12/04/2023	15.40		1,030	0.00									
6	12/04/2023	13.20		586	0.00									
7	12/04/2023	18.30		988	0.00									
8	12/04/2023	13.80		718	0.00									
9	12/06/2023	2.50		296	0.00									
10	12/06/2023	0.00		532	0.00									
11	12/06/2023	8.10		673	0.00									
15	12/06/2023	13.20		810	0.00									
	Averages:	9.58		692	0.00									
Surface Water														
Laguna (General)	07/06/2023	0.00		26		0.00	0.00							
	Averages:	0.00		26		0.00	0.00							

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The Dairy, Inc. 2023
Lab Results Summary (Attachment E)

* NH4N was non-detectable unless a value is shown

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The Dairy, Inc. 2023

Planting and Harvest Information (Attachment F)

	Crop #	Crop	Acres Planted	Plant Date	Harvest Date	Estimated Yield (tons)	Tons Harvested	Actual Yield
Field: 1								
	1	Wheat	35	11/14/2022	05/29/2023	18.0	623.0	17.8
	2	Corn	35	06/25/2023	10/09/2023	30.1	1058.8	30.2
Field: 2								
	1	Wheat	25	11/16/2022	05/29/2023	18.3	455.0	18.2
	2	Corn	25	06/25/2023	10/09/2023	30.2	742.5	29.7
Field: 3								
	1	Wheat	7	11/14/2022	05/29/2023	18.1	121.8	17.4
	2	Corn	7	06/28/2023	10/09/2023	30.1	218.4	31.2
Field: 4								
	1	Wheat	12	11/15/2022	05/30/2023	17.6	218.4	18.2
	2	Corn	12	06/20/2023	10/09/2023	30.2	369.6	30.8
Field: 5								
	1	Wheat	5	11/16/2022	05/30/2023	17.4	89.5	17.9
	2	Corn	5	06/20/2023	10/09/2023	30.2	156.5	31.3
Field: 6								
	1	Wheat	14	11/18/2022	05/30/2023	18.0	264.6	18.9
Field: 7								
	1	Corn	25	06/02/2023	10/09/2023	30.2	777.5	31.1
Field: 8								
	1	Corn	42	06/04/2023	10/09/2023	30.3	1243.2	29.6

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The Dairy, Inc. 2023

Weather Data (Attachment G)

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	None	None	Light	None	None	None	None	None	None	None	None	None
2	Light	None	None	None	None	None	None	None	None	None	None	None
3	None	None	None	None	Light	None	None	None	None	None	None	None
4	Light	None	None	None	Light	None	None	None	None	None	None	None
5	Light	None	Light	None	None	None	None	None	None	None	None	None
6	None	None	None	None	None	None	None	None	None	None	None	None
7	None	None	None	None	None	None	None	None	None	None	None	None
8	None	None	None	None	None	None	None	None	None	None	None	None
9	SWP	None	Light	None	None	None	None	None	None	None	None	None
10	Light	None	SWP	None	None	None	None	None	None	None	None	None
11	None	None	None	None	None	None	None	None	None	None	None	None
12	None	None	None	None	None	None	None	None	None	None	None	None
13	None	None	None	None	None	None	None	None	None	None	None	None
14	Light	None	Heavy	None	None	None	None	None	None	None	None	None
15	Light	None	None	None	None	None	None	None	None	None	None	None
16	Heavy	None	None	None	None	None	None	None	None	None	None	None
17	None	None	None	None	None	None	None	None	None	None	None	None
18	None	None	None	None	None	None	None	None	None	None	Light	None
19	None	None	Light	None	None	None	None	Light	None	None	None	Light
20	None	None	None	None	None	None	None	Light	None	None	None	Heavy
21	None	None	Heavy	None	None	None	None	None	None	None	None	None
22	None	None	Light	None	None	None	None	None	None	Light	None	None
23	None	Light	None	None	None	None	None	None	None	None	None	None
24	None	SWP	None	None	None	None	None	None	None	None	None	None
25	None	Heavy	None	None	None	None	None	None	None	None	None	None
26	None	None	None	None	None	None	None	None	None	None	None	None
27	None	None	None	None	None	None	None	None	None	None	None	None
28	None	None	Light	None	None	None	None	None	None	None	None	None
29	Light		Light	None	None	None	None	None	None	None	None	None
30	None		None	None	None	None	None	None	None	None	None	Heavy
31	None		None		None		None	None		None		None

*Note: SWP = Standing Water Present

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ATTACHMENT D

Manure/Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies

Instructions:

1) Complete one manifest for each hauling event, for each destination. A hauling event may last for several days, as long as the manure is being hauled to the same destination.
2) If there are multiple destinations, **complete a separate form for each destination**.
3) The operator must obtain the signature of the hauler upon completion of each manure-hauling event.
4) The operator shall submit copies of manure/process wastewater tracking manifest(s) with the Annual Monitoring Report for Existing Milk Cow Dairies.

Operator Information:

Name of Operator: Bill Vander Poel

Name of Dairy Facility: The Dairy, Inc.

Facility Address: 6240 21st Avenue (Number and Street) Lemoore, CA (City) 93245 (Zip Code)

Contact Person Name and Phone Number: Bill Vander Poel (Name) (559) 280-4573 (Phone Number)

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Thomas Bros Spreading Inc

Address of Hauling Company /Person: 5810 23rd Ave, (Number and Street) Riverdale, CA (City) 93656 (Zip Code)

Contact Person: Manuel (Name) Phone Number

Destination Information:

Composting Facility / Broker / Farmer / Other (identify) Composting Facility (please circle one)

Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):

Name	Number and Street	City	Zip Code	Phone Number
Thomas Bros Spreading Inc	20111 Excelsior Ave	Riverdale	93656	559-867-4193

Manure/Process Wastewater Destination Address or Assessor's Parcel Number:

Number and Street	City	Zip Code	Assessor's Parcel Number
20111 Excelsior Ave	Riverdale	93656	004-062-003-000

Dates Hauled: 5/15/23-5/17/23 10/12/23-10/14/23

Amount Hauled:

Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:

Manure: 1650 Tons or Cubic Yards (indicate which units used)

Manure Solids Content (if amount reported in tons): 36.5% Corral Solids

Manure Density (if amount reported in cubic yards): _____

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Method used to determine amount of manure: _____

_____

Enter the amount of process wastewater hauled in gallons and the method used to determine the amount.

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

_____

Written Agreement:
Does the Operator have a written agreement (in compliance with Land Application Specification E.3 of Reissued Waste Discharge Requirements General Order No. R5-2013-0122) with any party that receives process wastewater from the Operator for its own use? (please check one)

____ Yes _____ No

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after **31 December 2007** to such party.
_____ (Operator shall provide initials here to acknowledge this requirement).

Certification:
I declare under the penalty of law that I personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

DocuSigned by:
Operator's Signature: Bill Vander Poel Date: 6/28/2024
E2DAC6D6FB7A494...

Hauler's Signature: _____ Date: _____

DocuSign Envelope ID: 19BAF425-8A78-4DD4-8ADB-12F272B58233

DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 09/01/2023 7:00
Reported: 09/06/2023 13:56

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23I0216-01	DW-MB	Supply Water	M Pedroso		08/31/2023 11:00

Default Cooler Temperature on Receipt °C: -1.6
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 09/01/2023 7:00
Reported: 09/06/2023 13:56

Sample Results

Sample: DW-MB
23I0216-01 (Water)

Sampled: 8/31/2023 11:00
Sampled By: M Pedroso

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.48**	mmhos/cm	0.01	1		09/01/23 12:02	SM 2510 B		BEI0017
Electrical Conductivity umhos	**484**	umhos/cm	10.0	1		09/01/23 12:02	SM 2510 B		BEI0017
Ammonia (as N)	ND	mg/L	0.00	1		08/31/23 11:00	Field		BEI0007
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	09/06/23 01:43	EPA 300.0		BEI0044
pH	**9.1**	units	1.0	1		09/01/23 12:02	SM 4500-H+	H	BEI0017
Temperature	**25.0**	°C	0.0	1		09/01/23 12:02	SM 2510 B		BEI0017

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 09/01/2023 7:00
Reported: 09/06/2023 13:56

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0017										
Blank (BEI0017-BLK1)					Prepared & Analyzed: 9/1/2023					
pH	5.2		1.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	°C						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEI0017-BLK2)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	6.2		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Blank (BEI0017-BLK3)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	6.1		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Temperature	25.0		0.0	°C						
Duplicate (BEI0017-DUP1)	**Source: 23I0216-01**				Prepared & Analyzed: 9/1/2023					
pH	9.1		1.0	units		9.1			0.110	10
Electrical Conductivity	0.48		0.01	mmhos/cm		0.48			0.227	10
Electrical Conductivity umhos	483		10.0	umhos/cm		484			0.227	10
Duplicate (BEI0017-DUP2)	**Source: 23I0223-01**				Prepared & Analyzed: 9/1/2023					
pH	7.4		1.0	units		7.4			0.543	10
Electrical Conductivity	1.01		0.01	mmhos/cm		1.01			0.485	10
Electrical Conductivity umhos	1010		10.0	umhos/cm		1010			0.485	10
Reference (BEI0017-SRM1)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity	528			umhos/cm	538.0		98.2	90-110		
Reference (BEI0017-SRM2)					Prepared & Analyzed: 9/1/2023					
pH	5.9			units	5.820		101	26178-101.7:		
Reference (BEI0017-SRM3)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity	981			umhos/cm	1000		98.1	90-110		
Electrical Conductivity umhos	981			umhos/cm	1000		98.1	90-110		
Reference (BEI0017-SRM4)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity	985			umhos/cm	1000		98.5	90-110		
Electrical Conductivity umhos	985			umhos/cm	1000		98.5	90-110		
Reference (BEI0017-SRM5)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity	986			umhos/cm	1000		98.6	90-110		

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 09/01/2023 7:00
Reported: 09/06/2023 13:56

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0017 (Continued)										
Reference (BEI0017-SRM5)					Prepared & Analyzed: 9/1/2023					
Electrical Conductivity umhos	986			umhos/cm	1000		98.6	90-110		
Reference (BEI0017-SRM6)					Prepared & Analyzed: 9/1/2023					
pH	4.1			units	4.000		102	97.5-102.5		
Reference (BEI0017-SRM7)					Prepared & Analyzed: 9/1/2023					
pH	4.0			units	4.000		101	97.5-102.5		
Reference (BEI0017-SRM8)					Prepared & Analyzed: 9/1/2023					
pH	4.0			units	4.000		101	97.5-102.5		

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 09/01/2023 7:00
Reported: 09/06/2023 13:56

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0044										
Blank (BEI0044-BLK1)					Prepared & Analyzed: 9/5/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEI0044-BLK2)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEI0044-BS1)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Nitrate Nitrogen as NO3N	5.2		0.1	mg/L	5.000		104	90-110		
Duplicate (BEI0044-DUP1)		**Source: 23I0211-01**			Prepared: 9/5/2023 Analyzed: 9/6/2023					
Nitrate Nitrogen as NO3N	15.1		0.1	mg/L		15.1			0.252	10
Matrix Spike (BEI0044-MS1)		**Source: 23I0211-01**			Prepared: 9/5/2023 Analyzed: 9/6/2023					
Nitrate Nitrogen as NO3N	20.4		0.1	mg/L	5.000	15.1	106	90-110		
Reference (BEI0044-SRM1)					Prepared & Analyzed: 9/5/2023					
Nitrate Nitrogen as NO3N	10.2			mg/L	10.00		102	90-110		
Reference (BEI0044-SRM2)					Prepared: 9/5/2023 Analyzed: 9/6/2023					
Nitrate Nitrogen as NO3N	10.3			mg/L	10.00		103	90-110		

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09/01/23 07:00 230216

WATER WORK REQUEST

Acct No. 21464 Cons. 8

Bill To:

Purchase Order No

Results Needed By

Client: Dairy Inc, The
Address: P.O. Box 187
City, State, Zip: Five Points, CA 93624
Phone: Fax:
Cell/Email:

Copy to: Cardoso Ag Sevices - cas.labs@yahoo.com

Requested by: Bill Vanderpoel - (559) 906-6166

Ranch:

Date sampled: 8-31-23

Sampled by: MPedroso

[X] QA/QC Document [X] Copy of Chain [ ] RWQCB

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6159 • 800 228-9896 • Fax 559 268-8174

No. of Samples No. Bottles

Water Type: [ ] Drinking [ ] Wastewater
[ ] Ag Water [ ] Ground Water [ ] Mon. Well
[X] Supply Water [ ] Other

Analysis and Bottles Required: *(Please Indicate Analysis)*

(X) DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test)**
(1) 1 L plastic, unpreserved (white)

( ) DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)

( ) DCW1: (EC, NO_3-N, TDS)
(1) 1 L plastic, unpreserved (white)

( ) DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)

( ) DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
(1) 1 L plastic, unpreserved (white)

( ) Other

DESCRIPTION OF SAMPLES		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. DW-MB	Sampled From:	8-31-23	11Am	0	-1.6
2.	Sampled From:				
3.	Sampled From:				
4.	Sampled From:				
5.	Sampled From:				
6.	Sampled From:				
7.	Sampled From:				
8.	Sampled From:				
9.	Sampled From:				
10.	Sampled From:				

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 9/26/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	MPed	CAS Inc	8-31-23 11Am	
Second	AK	DCI	" / 4:50p	
Third				
Fourth				

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be cash with sample unless terms have been previously arranged. Terms are net 30 days, overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternatives to Litigation, Inc. (ccal). If the dispute is not resolved in mediation, then the dispute will be submitted to binding arbitration through ccal under its Rules and Procedures. The prince will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

Invoicing Information

Sampling Hrs ___ Miles ___ Consulting ___

Amt Paid ___ Rec By ___ Check No ___

Shipping

$ ___ In
$ ___ Out

Date ___

Signature

Sample received in cooler with ice?
[ ] Yes [ ] No

cat update 2020

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/05/2023 13:50
Reported: 12/07/2023 14:10

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0147-01	Irrigation Well #1	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-02	Irrigation Well #2	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-03	Irrigation Well #3	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-04	Irrigation Well #4	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-05	Irrigation Well #5	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-06	Irrigation Well #6	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-07	Irrigation Well #7	Ag Water	Ryan M.		12/04/2023 0:00
23L0147-08	Irrigation Well #8	Ag Water	Ryan M.		12/04/2023 0:00

Default Cooler Temperature on Receipt °C: -1.5
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Scott McFriedland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/05/2023 13:50
Reported: 12/07/2023 14:10

Sample Results

Sample: Irrigation Well #1
23L0147-01 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.67**	mmhos/cm	0.01	1		12/06/23 13:12	SM 2510 B		BEL0144
Electrical Conductivity umhos	**672**	umhos/cm	10.0	1		12/06/23 13:12	SM 2510 B		BEL0144
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**8.2**	mg/L	0.1	1	10	12/05/23 23:09	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 13:12	SM 4500-H+	H	BEL0144
pH	**7.2**	units	1.0	1		12/06/23 13:12	SM 4500-H+	H	BEL0144

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Sample Results
(Continued)

Sample: Irrigation Well #2
23L0147-02 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.30**	mmhos/cm	0.01	1		12/06/23 13:13	SM 2510 B		BEL0144
Electrical Conductivity umhos	**305**	umhos/cm	10.0	1		12/06/23 13:13	SM 2510 B		BEL0144
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**2.7**	mg/L	0.1	1	10	12/05/23 23:30	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 13:13	SM 4500-H+	H	BEL0144
pH	**6.8**	units	1.0	1		12/06/23 13:13	SM 4500-H+	H	BEL0144

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Sample Results
(Continued)

Sample: Irrigation Well #3
23L0147-03 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.27**	mmhos/cm	0.01	1		12/06/23 13:14	SM 2510 B		BEL0144
Electrical Conductivity umhos	**271**	umhos/cm	10.0	1		12/06/23 13:14	SM 2510 B		BEL0144
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**3.9**	mg/L	0.1	1	10	12/06/23 02:39	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 13:14	SM 4500-H+	H	BEL0144
pH	**6.6**	units	1.0	1		12/06/23 13:14	SM 4500-H+	H	BEL0144

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Sample Results
(Continued)

Sample: Irrigation Well #4
23L0147-04 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**1.55**	mmhos/cm	0.01	1		12/06/23 13:15	SM 2510 B		BEL0144
Electrical Conductivity umhos	**1550**	umhos/cm	10.0	1		12/06/23 13:15	SM 2510 B		BEL0144
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**20.5**	mg/L	0.1	1	10	12/05/23 23:51	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 13:15	SM 4500-H+	H	BEL0144
pH	**7.5**	units	1.0	1		12/06/23 13:15	SM 4500-H+	H	BEL0144

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Sample Results
(Continued)

Sample: Irrigation Well #5
23L0147-05 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**1.03**	mmhos/cm	0.01	1		12/06/23 13:17	SM 2510 B		BEL0144
Electrical Conductivity umhos	**1030**	umhos/cm	10.0	1		12/06/23 13:17	SM 2510 B		BEL0144
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**15.4**	mg/L	0.1	1	10	12/06/23 03:00	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 13:17	SM 4500-H+	H	BEL0144
pH	**7.2**	units	1.0	1		12/06/23 13:17	SM 4500-H+	H	BEL0144

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Sample Results
(Continued)

Sample: Irrigation Well #6
23L0147-06 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.59**	mmhos/cm	0.01	1		12/06/23 13:18	SM 2510 B		BEL0144
Electrical Conductivity umhos	**586**	umhos/cm	10.0	1		12/06/23 13:18	SM 2510 B		BEL0144
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**13.2**	mg/L	0.1	1	10	12/06/23 03:20	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 13:18	SM 4500-H+	H	BEL0144
pH	**7.1**	units	1.0	1		12/06/23 13:18	SM 4500-H+	H	BEL0144

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Sample Results
(Continued)

Sample: Irrigation Well #7
23L0147-07 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.99**	mmhos/cm	0.01	1		12/06/23 15:52	SM 2510 B		BEL0177
Electrical Conductivity umhos	**988**	umhos/cm	10.0	1		12/06/23 15:52	SM 2510 B		BEL0177
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**18.3**	mg/L	0.1	1	10	12/06/23 03:41	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 15:52	SM 4500-H+	H	BEL0177
pH	**6.9**	units	1.0	1		12/06/23 15:52	SM 4500-H+	H	BEL0177

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Sample Results
(Continued)

Sample: Irrigation Well #8
23L0147-08 (Water)

Sampled: 12/4/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.72**	mmhos/cm	0.01	1		12/06/23 15:54	SM 2510 B		BEL0177
Electrical Conductivity umhos	**718**	umhos/cm	10.0	1		12/06/23 15:54	SM 2510 B		BEL0177
Ammonia (as N)	ND	mg/L	0.00	1		12/04/23 00:00	Field		BEL0086
Nitrate Nitrogen as NO3N	**13.8**	mg/L	0.1	1	10	12/06/23 04:02	EPA 300.0		BEL0126
Temperature	**25.0**	units	0.0	1		12/06/23 15:54	SM 4500-H+	H	BEL0177
pH	**6.8**	units	1.0	1		12/06/23 15:54	SM 4500-H+	H	BEL0177

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Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0126										
Blank (BEL0126-BLK1)					Prepared & Analyzed: 12/5/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0126-BLK2)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0126-BLK3)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEL0126-BS1)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	4.7		0.1	mg/L	5.000		94.5	90-110		
LCS (BEL0126-BS2)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000		96.0	90-110		
Duplicate (BEL0126-DUP1)		**Source: 23L0147-02**			Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	2.7		0.1	mg/L		2.7			0.300	10
Duplicate (BEL0126-DUP2)		**Source: 23L0147-03**			Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	3.9		0.1	mg/L		3.9			0.180	10
Matrix Spike (BEL0126-MS1)		**Source: 23L0147-02**			Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	7.4		0.1	mg/L	5.000	2.7	95.4	90-110		
Matrix Spike (BEL0126-MS2)		**Source: 23L0147-03**			Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	8.6		0.1	mg/L	5.000	3.9	95.2	90-110		
Reference (BEL0126-SRM1)					Prepared & Analyzed: 12/5/2023					
Nitrate Nitrogen as NO3N	9.5			mg/L	10.00		94.8	90-110		
Reference (BEL0126-SRM2)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	9.5			mg/L	10.00		95.0	90-110		
Reference (BEL0126-SRM3)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Nitrate Nitrogen as NO3N	9.5			mg/L	10.00		95.2	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0144										
Blank (BEL0144-BLK1)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	0.02		0.01	mmhos/cm						
Electrical Conductivity umhos	16.1		10.0	umhos/cm						
pH	3.9		1.0	units						
Blank (BEL0144-BLK2)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	0.01		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
Electrical Conductivity umhos	14.0		10.0	umhos/cm						
pH	3.8		1.0	units						
Blank (BEL0144-BLK3)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	0.02		0.01	mmhos/cm						
Electrical Conductivity umhos	15.1		10.0	umhos/cm						
pH	3.8		1.0	units						
Duplicate (BEL0144-DUP1)		**Source: 23L0139-01**			Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	7.23		0.01	mmhos/cm		7.23			0.0415	10
pH	7.4		1.0	units		7.4			0.135	10
Electrical Conductivity umhos	7230		10.0	umhos/cm		7230			0.0415	10
Duplicate (BEL0144-DUP2)		**Source: 23L0147-06**			Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	0.59		0.01	mmhos/cm		0.59			0.0852	10
pH	7.0		1.0	units		7.1			1.13	10
Electrical Conductivity umhos	587		10.0	umhos/cm		586			0.0852	10
Reference (BEL0144-SRM1)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	440			umhos/cm	426.0		103	90-110		
Reference (BEL0144-SRM2)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
pH	7.5			units	7.520		99.6	67021-101.3		
Reference (BEL0144-SRM3)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	1070			umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070			umhos/cm	1000		107	90-110		
Reference (BEL0144-SRM4)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	1060			umhos/cm	1000		106	90-110		
Electrical Conductivity umhos	1060			umhos/cm	1000		106	90-110		
Reference (BEL0144-SRM5)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity	1080			umhos/cm	1000		108	90-110		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0144 (Continued)										
Reference (BEL0144-SRM5)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
Electrical Conductivity umhos	1080			umhos/cm	1000		108	90-110		
Reference (BEL0144-SRM6)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
pH	4.0			units	4.000		99.8	97.5-102.5		
Reference (BEL0144-SRM7)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
pH	4.0			units	4.000		99.5	97.5-102.5		
Reference (BEL0144-SRM8)					Prepared: 12/5/2023 Analyzed: 12/6/2023					
pH	4.0			units	4.000		99.2	97.5-102.5		

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Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0177										
Blank (BEL0177-BLK1)					Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
pH	4.2		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0177-BLK2)					Prepared & Analyzed: 12/6/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.4		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0177-BLK3)					Prepared & Analyzed: 12/6/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	6.3		1.0	units						
Duplicate (BEL0177-DUP1)		**Source: 23L0158-01**			Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	9.32		0.01	mmhos/cm		9.24			0.851	10
pH	7.5		1.0	units		7.4			0.403	10
Electrical Conductivity umhos	9320		10.0	umhos/cm		9240			0.851	10
Duplicate (BEL0177-DUP2)		**Source: 23L0187-01**			Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	1.24		0.01	mmhos/cm		1.23			0.888	10
pH	6.0		1.0	units		6.0			0.500	10
Electrical Conductivity umhos	1240		10.0	umhos/cm		1230			0.888	10
Reference (BEL0177-SRM1)					Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	429			umhos/cm	426.0		101	90-110		
Reference (BEL0177-SRM2)					Prepared & Analyzed: 12/6/2023					
pH	7.5			units	7.520		99.7	67021-101.3		
Reference (BEL0177-SRM3)					Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	1030			umhos/cm	1000		103	90-110		
Electrical Conductivity umhos	1030			umhos/cm	1000		103	90-110		
Reference (BEL0177-SRM4)					Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	1060			umhos/cm	1000		106	90-110		
Electrical Conductivity umhos	1060			umhos/cm	1000		106	90-110		
Reference (BEL0177-SRM5)					Prepared & Analyzed: 12/6/2023					
Electrical Conductivity	1030			umhos/cm	1000		103	90-110		

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Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/05/2023 13:50
Reported: 12/07/2023 14:10

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0177 (Continued)										
Reference (BEL0177-SRM5)					Prepared & Analyzed: 12/6/2023					
Electrical Conductivity umhos	1030			umhos/cm	1000		103	90-110		
Reference (BEL0177-SRM6)					Prepared & Analyzed: 12/6/2023					
pH	4.0			units	4.000		98.8	97.5-102.5		
Reference (BEL0177-SRM7)					Prepared & Analyzed: 12/6/2023					
pH	4.1			units	4.000		102	97.5-102.5		
Reference (BEL0177-SRM8)					Prepared & Analyzed: 12/6/2023					
pH	4.0			units	4.000		99.2	97.5-102.5		

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12/05/23 13:50 23L0147

JG

WATER WORK REQUEST

DELLAVALLE LABORATORY, INC.
1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

Bill To: Acct No. 21464 Cons 8

Purchase Order No. _____ Results Needed By _____

Client: Dairy Inc, The
Address: P.O. Box 187
City, State, Zip: Five Points, CA 93624
Phone _____ Fax _____
Cell/Email _____

Copy to: Cardoso Ag Sevices - cas.labs@yahoo.com

Requested by: Bill Vanderpoel - (559) 906-6166

Ranch _____

Date sampled: 12/4/23

Sampled by: Ryan M.

[X] QA/QC Document [X] Copy of Chain [ ] RWQCB

No. of Samples _____ No. Bottles _____

Water Type: [ ] Drinking [ ] Wastewater
[X] Ag Water [ ] Ground Water [ ] Mon. Well
[ ] Supply Water [ ] Other _____

Analysis and Bottles Required: *(Please Indicate Analysis)*

( ) DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test**)
(1) 1 L plastic, unpreserved (white)

( ) DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)

( ) DCW1: (EC, NO_3-N, TDS)
(1) 1 L plastic, unpreserved (white)

( ) DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)

( ) DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
(1) 1 L plastic, unpreserved (white)

( ) Other _____

DESCRIPTION OF SAMPLES		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. Irrigation well #1	Sampled From:	12/4/23		Ø	-1.5
2. Irrigation Well #2	Sampled From:	12/4/23		Ø	-0.6
3. Irrigation well #3	Sampled From:	12/4/23		Ø	-0.4
4. Irrigation well #4	Sampled From:	12/4/23		Ø	-1.8
5. Irrigation Well #5	Sampled From:	12/4/23		Ø	3.6
6. Irrigation well #6	Sampled From:	12/4/23		Ø	1.8
7. Irrigation well #7	Sampled From:	12/4/23		Ø	0.1
8. Irrigation Well #8	Sampled From:	12/4/23		Ø	-0.9
9.	Sampled From:				
10.	Sampled From:				

IR Thermometer SN: 200560723
Correction Factor: 0°C
Calibration Due: 12/22/2023
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	Ryan M	The Dairy Inc	12/4/23 @ 7:00am	12/4/23 @ 7:15am
Second	[illegible]	CATLINE	12/4/23 7:15am	12/5/23 @ 8:45
Third	JLF	DLV	12-5-23 8:45	12-5-23 1:05
Fourth	[illegible]	DLV	12/5/23 13:50	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorneys' fees. It is understood that payment is expected to be made with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (CAL). If the dispute is not resolved in mediation then the dispute will be submitted to binding arbitration through CAL under its Rules and Procedures. The prince will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorneys' fees of Dellavalle Laboratory.

Invoicing Information:

Sampling Hrs ____ Miles ____ Consulting ____

Amt Paid ____ Rec By ____ Check No. ____ Date ____

Shipping

$ _____ In
$ _____ Out

Signature _____

Sample received in cooler with ice?
[ ] Yes [ ] No

rev update 2020

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0452-01	~~IW #1 Dairy~~ Dcw	Ag Water	Ryan M.		12/06/2023 6:00
23L0452-02	~~IW #2 Dairy~~ Dcw DUZ	Ag Water	Ryan M.		12/06/2023 6:23
23L0452-03	IW #1A	Ag Water	Ryan M.		12/06/2023 6:15
23L0452-04	IW #9	Ag Water	Ryan M.		12/06/2023 6:32
23L0452-05	IW #10	Ag Water	Ryan M.		12/06/2023 6:40
23L0452-06	IW #15	Ag Water	Ryan M.		12/06/2023 6:06
23L0452-07	IW #11	Ag Water	Ryan M.		12/06/2023 0:00

Default Cooler Temperature on Receipt °C: -2.1
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
H	Hold Time Exceeded
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

Scott McFrickland

Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

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The Dairy Inc
PO Box 187
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Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results

Sample: ~~IW #1 Dairy~~ DW
23L0452-01 (Water)

Sampled: 12/6/2023 6:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.52**	mmhos/cm	0.01	1		12/11/23 16:19	SM 2510 B		BEL0301
Electrical Conductivity umhos	**515**	umhos/cm	10.0	1		12/11/23 16:19	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 06:00	Field		BEL0481
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/08/23 01:34	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:19	SM 4500-H+	H	BEL0301
pH	**9.2**	units	1.0	1		12/11/23 16:19	SM 4500-H+	H	BEL0301

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Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results
(Continued)

Sample: ~~IW #2 Dairy~~ DW2
23L0452-02 (Water)

Sampled: 12/6/2023 6:23
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.39**	mmhos/cm	0.01	1		12/11/23 16:20	SM 2510 B		BEL0301
Electrical Conductivity umhos	**394**	umhos/cm	10.0	1		12/11/23 16:20	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 06:23	Field		BEL0481
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/08/23 01:53	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:20	SM 4500-H+	H	BEL0301
pH	**9.2**	units	1.0	1		12/11/23 16:20	SM 4500-H+	H	BEL0301

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LABORATORY INC

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PO Box 187
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Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results
(Continued)

Sample: IW #1A
23L0452-03 (Water)

Sampled: 12/6/2023 6:15
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.56**	mmhos/cm	0.01	1		12/11/23 16:21	SM 2510 B		BEL0301
Electrical Conductivity umhos	**564**	umhos/cm	10.0	1		12/11/23 16:21	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 06:15	Field		BEL0481
Nitrate Nitrogen as NO3N	**4.7**	mg/L	0.1	1	10	12/08/23 02:13	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:21	SM 4500-H+	H	BEL0301
pH	**7.3**	units	1.0	1		12/11/23 16:21	SM 4500-H+	H	BEL0301

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LABORATORY INC

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Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results
(Continued)

Sample: IW #9
23L0452-04 (Water)

Sampled: 12/6/2023 6:32
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.30**	mmhos/cm	0.01	1		12/11/23 16:23	SM 2510 B		BEL0301
Electrical Conductivity umhos	**296**	umhos/cm	10.0	1		12/11/23 16:23	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 06:32	Field		BEL0481
Nitrate Nitrogen as NO3N	**2.5**	mg/L	0.1	1	10	12/08/23 02:33	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:23	SM 4500-H+	H	BEL0301
pH	**7.2**	units	1.0	1		12/11/23 16:23	SM 4500-H+	H	BEL0301

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LABORATORY INC

The Dairy Inc
PO Box 187
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Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results
(Continued)

Sample: IW #10
23L0452-05 (Water)

Sampled: 12/6/2023 6:40
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.53**	mmhos/cm	0.01	1		12/11/23 16:24	SM 2510 B		BEL0301
Electrical Conductivity umhos	**532**	umhos/cm	10.0	1		12/11/23 16:24	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 06:40	Field		BEL0481
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/08/23 02:53	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:24	SM 4500-H+	H	BEL0301
pH	**8.2**	units	1.0	1		12/11/23 16:24	SM 4500-H+	H	BEL0301

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LABORATORY INC

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Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results
(Continued)

Sample: IW #15
23L0452-06 (Water)

Sampled: 12/6/2023 6:06
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.81**	mmhos/cm	0.01	1		12/11/23 16:25	SM 2510 B		BEL0301
Electrical Conductivity umhos	**810**	umhos/cm	10.0	1		12/11/23 16:25	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 06:06	Field		BEL0481
Nitrate Nitrogen as NO3N	**13.2**	mg/L	0.1	1	10	12/08/23 03:13	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:25	SM 4500-H+	H	BEL0301
pH	**7.6**	units	1.0	1		12/11/23 16:25	SM 4500-H+	H	BEL0301

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Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Sample Results
(Continued)

Sample: IW #11
23L0452-07 (Water)

Sampled: 12/6/2023 0:00
Sampled By: Ryan M.

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	**0.67**	mmhos/cm	0.01	1		12/11/23 16:26	SM 2510 B		BEL0301
Electrical Conductivity umhos	**673**	umhos/cm	10.0	1		12/11/23 16:26	SM 2510 B		BEL0301
Ammonia (as N)	ND	mg/L	0.00	1		12/06/23 00:00	Field		BEL0481
Nitrate Nitrogen as NO3N	**8.1**	mg/L	0.1	1	10	12/08/23 03:32	EPA 300.0		BEL0241
Temperature	**25.0**	units	0.0	1		12/11/23 16:26	SM 4500-H+	H	BEL0301
pH	**7.6**	units	1.0	1		12/11/23 16:26	SM 4500-H+	H	BEL0301

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LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Quality Control

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0241										
Blank (BEL0241-BLK1)					Prepared & Analyzed: 12/7/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0241-BLK2)					Prepared & Analyzed: 12/7/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
Blank (BEL0241-BLK3)					Prepared & Analyzed: 12/8/2023					
Nitrate Nitrogen as NO3N	ND		0.1	mg/L						
LCS (BEL0241-BS1)					Prepared & Analyzed: 12/7/2023					
Nitrate Nitrogen as NO3N	4.8		0.1	mg/L	5.000		96.8	90-110		
LCS (BEL0241-BS2)					Prepared & Analyzed: 12/8/2023					
Nitrate Nitrogen as NO3N	4.9		0.1	mg/L	5.000		97.3	90-110		
Duplicate (BEL0241-DUP1)		**Source: 23L0372-01**			Prepared & Analyzed: 12/7/2023					
Nitrate Nitrogen as NO3N	4.7		0.1	mg/L		4.7			0.235	10
Duplicate (BEL0241-DUP2)		**Source: 23L0452-04**			Prepared & Analyzed: 12/8/2023					
Nitrate Nitrogen as NO3N	2.5		0.1	mg/L		2.5			1.66	10
Matrix Spike (BEL0241-MS1)		**Source: 23L0372-01**			Prepared & Analyzed: 12/7/2023					
Nitrate Nitrogen as NO3N	9.8		0.1	mg/L	5.000	4.7	102	90-110		
Matrix Spike (BEL0241-MS2)		**Source: 23L0452-04**			Prepared & Analyzed: 12/8/2023					
Nitrate Nitrogen as NO3N	7.5		0.1	mg/L	5.000	2.5	99.7	90-110		
Reference (BEL0241-SRM1)					Prepared & Analyzed: 12/7/2023					
Nitrate Nitrogen as NO3N	9.7			mg/L	10.00		97.3	90-110		
Reference (BEL0241-SRM2)					Prepared & Analyzed: 12/8/2023					
Nitrate Nitrogen as NO3N	9.8			mg/L	10.00		97.7	90-110		
Reference (BEL0241-SRM3)					Prepared & Analyzed: 12/8/2023					
Nitrate Nitrogen as NO3N	9.7			mg/L	10.00		97.2	90-110		

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LABORATORY INC

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Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0301										
Blank (BEL0301-BLK1)					Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	ND		0.01	mmhos/cm						
Temperature	25.0		0.0	units						
pH	5.6		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Blank (BEL0301-BLK2)					Prepared & Analyzed: 12/11/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
pH	7.6		1.0	units						
Blank (BEL0301-BLK3)					Prepared & Analyzed: 12/11/2023					
Temperature	25.0		0.0	units						
Electrical Conductivity	ND		0.01	mmhos/cm						
pH	7.3		1.0	units						
Electrical Conductivity umhos	ND		10.0	umhos/cm						
Duplicate (BEL0301-DUP1)		**Source: 23L0451-01**			Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	0.48		0.01	mmhos/cm		0.48			0.0421	10
pH	7.9		1.0	units		7.9			0.381	10
Electrical Conductivity umhos	476		10.0	umhos/cm		475			0.0421	10
Duplicate (BEL0301-DUP2)		**Source: 23L0453-02**			Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	0.80		0.01	mmhos/cm		0.79			0.126	10
Electrical Conductivity umhos	795		10.0	umhos/cm		794			0.126	10
pH	7.8		1.0	units		7.8			0.129	10
Reference (BEL0301-SRM1)					Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	437			umhos/cm	426.0		103	90-110		
Reference (BEL0301-SRM2)					Prepared & Analyzed: 12/11/2023					
pH	7.5			units	7.520		100	67021-101.3		
Reference (BEL0301-SRM3)					Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0301-SRM4)					Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	1070			umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070			umhos/cm	1000		107	90-110		
Reference (BEL0301-SRMS)					Prepared & Analyzed: 12/11/2023					
Electrical Conductivity	1050			umhos/cm	1000		105	90-110		

The results in this report apply to the samples as received and were analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. Dellavalle Laboratory, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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DELLAVALLE™
LABORATORY INC

The Dairy Inc
PO Box 187
Five Points, CA 93624

Account# 00-0021464
Account Manager: Ben Nydam
Submitted By: Bill Vanderpoel

Received: 12/07/2023 15:35
Reported: 12/13/2023 15:11

Quality Control
(Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0301 (Continued)										
Reference (BEL0301-SRM5)					Prepared & Analyzed: 12/11/2023					
Electrical Conductivity umhos	1050			umhos/cm	1000		105	90-110		
Reference (BEL0301-SRM6)					Prepared & Analyzed: 12/11/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0301-SRM7)					Prepared & Analyzed: 12/11/2023					
pH	4.0			units	4.000		100	97.5-102.5		
Reference (BEL0301-SRM8)					Prepared & Analyzed: 12/11/2023					
pH	4.0			units	4.000		99.8	97.5-102.5		

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12/07/23 15:35 23L0452

DELLAVALLE LABORATORY, INC.

1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174

WATER WORK REQUEST

Bill To: Acct No. 21464 Cons. 8

Purchase Order No. Results Needed By

Client: Dairy Inc, The
Address: P.O. Box 187
City, State, Zip: Five Points, CA 93624
Phone Fax
Cell/Email

Copy to: Cardoso Ag Sevices - cas.labs@yahoo.com

Requested by: Bill Vanderpoel - (559) 906-6166

Ranch

Date sampled: 12/6/23

Sampled by: RyanM

[X] QA/QC Document [X] Copy of Chain [ ] RWQCB

No. of Samples 7 No. Bottles 7

Water Type: [ ] Drinking [ ] Wastewater
[X] Ag Water [ ] Ground Water [ ] Mon. Well
[ ] Supply Water [ ] Other

Analysis and Bottles Required: *(Please Indicate Analysis)*

(X) DWW1: (EC, pH, NO_3-N, **NH_4-N Field Test**)
(1) 1 L plastic, unpreserved (white)

( ) DWW2: (DWW1 Plus SO_4, CO_3, HCO_3, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)

( ) DCW1: (EC, NO_3-N, TDS)
(1) 1 L plastic, unpreserved (white)

( ) DPW1: (EC, pH, NO_3-N, NH_4-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)

( ) DPW2: (DPW1 Plus Ca, Mg, Na, HCO_3, CO_3, SO_4, Cl)
(1) 1 L plastic, unpreserved (white)

( ) Other

DESCRIPTION OF SAMPLES		Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
1. ~~IW#1 Dairy~~ - DW1	Sampled From:	12/6/23	6am	Ø	-2.1
2. ~~IW #2 Dairy~~ DW2	Sampled From:	12/6/23	623A	Ø	-1.9
3. IW# 1A	Sampled From:	12/6/23	615A	Ø	-2.6
4. IW#9	Sampled From:	12/6/23	632A	Ø	+.7
5. IW # 10	Sampled From:	12/6/23	640A	Ø	-1.4
6. IW # 15	Sampled From:	12/6/23	606A	Ø	-2.3
7. IW # 11	Sampled From:				1.9
8.	Sampled From:				
9.	Sampled From:				
10.	Sampled From:				

IR Thermometer SN: 221314357
Correction Factor: 0°C
Calibration Due: 03/06/2024
Location: Laboratory

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	RyanM	The Dairy Inc	12/6/23 640A	12/6/23 9am
Second	MPedroso	CAS Inc	12/6/23 9am	12/7/23 11A
Third	JLF	DLV	12-7-23 11:00	12-7-23 3:15
Fourth		DLL	12-7-23 15:35	

I guarantee that as the client, or on behalf of the client named, I have the authority to contract the above requested services. Should it be found that I do not have such authority, I agree to be personally liable for all costs and, if there should be action against me for this breach, reasonable attorney's fees. It is understood that payment is expected to be made with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a dated damage fee of 2% per month (annually 24 %) or $5.00 per month whichever is greater.
If payment is not made when due and a legitimate dispute exists concerning the product or services of Dellavalle Laboratory, Inc., it will be submitted to mediation under the Rules and Procedures of Creative Alternative to Litigation, Inc. (cal). If the dispute is not resolved in mediation then the dispute will be submitted to binding arbitration through cal under its Rules and Procedures. The parties will equally bear the costs of mediation/arbitration. If, however, the mediator declares that no legitimate dispute exists, then debtor will pay all mediation and arbitration costs, and in the event of arbitration, reasonable attorney's fees of Dellavalle Laboratory.

Invoicing Information:

Sampling Hrs ____ Miles ____ Consulting ____

Shipping
$ _____ In
$ _____ Out

Amt Paid ____ Rec By ____ Check No. ____ Date ____

Signature

Sample received in cooler with ice?
[ ] Yes [ ] No

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