

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

DAIRY FACILITY INFORMATION**A. NAME OF DAIRY OR BUSINESS OPERATING THE DAIRY:** Golden Star Dairy #2

Physical address of dairy:

6398 16th AVE
Number and StreetHanford
CityKings
County93230
Zip Code

Street and nearest cross street (if no address): _____

Date facility was originally placed in operation: 01/01/1943Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

0004-0090-0017-0000**B. OPERATORS**

Dutra, Manuel

Operator name: Dutra, Manuel

Telephone no.:

(559) 469-4060

Landline

Cellular

6490 16th AVEHanfordCA93230

Mailing Address Number and Street

City

State

Zip Code

This operator is responsible for paying permit fees.**C. OWNERS**

Dutra, Manuel

Legal owner name: Dutra, Manuel

Telephone no.:

(559) 469-4060

Landline

Cellular

6490 16th AVEHanfordCA93230

Mailing Address Number and Street

City

State

Zip Code

This owner is responsible for paying permit fees.

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AVAILABLE NUTRIENTS

A. HERD INFORMATION

	Milk Cows	Dry Cows	Bred Heifers (15-24 mo.)	Heifers (7-14 mo. to breeding)	Calves (4-6 mo.)	Calves (0-3 mo.)
Number open confinement	0	0	0	0	0	0
Number under roof	0	0	0	0	0	0
Maximum number	0	0	0	0	0	0
Average number	0	0	0	0	0	0
Avg live weight (lbs)	0	0	0	0		

Predominant milk cow breed: Jersey

Average milk production: 1 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 1.00 tons per reporting period

Total nitrogen from manure: 1.00 lbs per reporting period After ammonia losses (30% loss applied): 0.70 lbs per reporting period

Total phosphorus from manure: 1.00 lbs per reporting period

Total potassium from manure: 1.00 lbs per reporting period

Total salt from manure: 0.00 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: 3,900,000 gallons

Total nitrogen generated: 24,072.93 lbs

Total phosphorus generated: 2,287.95 lbs

Total potassium generated: 15,397.60 lbs

Total salt generated: 90,801.95 lbs

	3,900,000 gallons applied
+	0 gallons exported
-	0 gallons imported
=	3,900,000 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
Barn	Ground water
Canal	Surface water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

F. NUTRIENT IMPORTS

No dry manure nutrient imports entered.

No process wastewater nutrient imports entered.

No commercial or other nutrient imports entered.

G. NUTRIENT EXPORTS

No solid nutrient exports entered.

No liquid nutrient exports entered.

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APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

Field name	Controlled acres	Cropable acres	Total harvests	Type of waste applied	Parcel number
F-1	20	20	0	none	X005-X010-X019-XXXX
F-10	26	26	0	none	X004-X009-X020-XXXX
F-2	37	37	0	none	X005-X010-X010-XXXX
F-3	37	37	0	none	X005-X010-X010-XXXX X005-X010-X019-XXXX
F-4	17	17	0	none	X005-X080-X003-XXXX
F-7	39	39	2	process wastewater	X004-X009-X016-XXXX X004-X009-X017-XXXX
F-8	17	17	0	none	X004-X009-X017-XXXX
F-9	41	41	2	process wastewater	X006-X060-X038-XXXX
Totals for areas that were used for application	80	80	4		
Totals for areas that were not used for application	154	154	0		
Land application area totals	234	234	4		

B. CROPS AND HARVESTS

F-7

Field name: F-7

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 39 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	702.00 ton	Dry-weight		61.6	24,500.00	3,700.00	26,800.00		9.74

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	18.00	338.69	51.15	370.48	1,346.46

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F-7

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 39 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/25/2023	1,092.00 ton	Dry-weight		73.6	16,900.00	3,300.00	23,000.00		7.89

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.00	249.85	48.79	340.03	1,166.46

F-9

Field name: F-9

11/01/2022: Wheat, silage, boot stage

Crop: Wheat, silage, boot stage Acres planted: 41 Plant date: 11/01/2022

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
05/11/2023	738.00 ton	Dry-weight		65.3	23,400.00	3,600.00	21,500.00		9.85

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	16.00	256.00	44.80	192.00	0.00
Total actual harvest content	18.00	292.31	44.97	268.58	1,230.46

06/01/2023: Corn, silage

Crop: Corn, silage Acres planted: 41 Plant date: 06/01/2023

Harvest date	Yield	Reporting basis	Density (lbs/cu ft)	Moisture (%)	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS (%)
09/25/2023	1,148.00 ton	Dry-weight		70.5	18,500.00	3,100.00	21,500.00		8.32

	Yield (tons/acre)	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Salt (lbs/acre)
Anticipated harvest content	28.00	224.00	42.00	184.80	0.00
Total actual harvest content	28.00	305.62	51.21	355.18	1,374.46

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NUTRIENT BUDGET

A. LAND APPLICATIONS

F-7 - 11/01/2022: Wheat, silage, boot stage

Field name: F-7

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following		
01/05/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
WW		Process wastewater	122.66	11.66	78.46	462.67	775,000.00 <i>gal</i>		
Application event totals			122.66	11.66	78.46	462.67			
02/15/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
WW		Process wastewater	122.66	11.66	78.46	462.67	775,000.00 <i>gal</i>		
Canal		Surface water	0.00	0.00	0.00	9.44	3,676,000.00 <i>gal</i>		
Application event totals			122.66	11.66	78.46	472.10			
03/15/2023	Surface (irrigation)		No precipitation		No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount		
WW		Process wastewater	122.66	11.66	78.46	462.67	775,000.00 <i>gal</i>		
Canal		Surface water	0.00	0.00	0.00	9.44	3,676,000.00 <i>gal</i>		
Application event totals			122.66	11.66	78.46	472.10			

F-7 - 06/01/2023: Corn, silage

Field name: F-7

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following
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F-7 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
06/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	
07/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	
07/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	
07/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	
08/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	
08/18/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	

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F-7 - 06/01/2023: Corn, silage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
08/28/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	

09/08/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal	Surface water	0.00	0.00	0.00	14.57	5,676,000.00 <i>gal</i>
Application event totals		0.00	0.00	0.00	14.57	

F-9 - 11/01/2022: Wheat, silage, boot stage

Field name: F-9

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
01/05/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	79.04	7.51	50.55	298.13	525,000.00 <i>gal</i>
Application event totals		79.04	7.51	50.55	298.13	
02/12/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	79.04	7.51	50.55	298.13	525,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.96	4,076,000.00 <i>gal</i>
Application event totals		79.04	7.51	50.55	308.09	

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F-9 - 11/01/2022: Wheat, silage, boot stage

Application date	Application method	Precipitation 24 hours prior	Precipitation during application	Precipitation 24 hours following		
03/11/2023	Surface (irrigation)	No precipitation	No precipitation	No precipitation		
Source description	Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
WW	Process wastewater	79.04	7.51	50.55	298.13	525,000.00 <i>gal</i>
Canal	Surface water	0.00	0.00	0.00	9.96	4,076,000.00 <i>gal</i>
Application event totals		79.04	7.51	50.55	308.09	

F-9 - 06/01/2023: Corn, silage

Field name: F-9

Crop: Corn, silage

Plant date: 06/01/2023

Application date	Application method	Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
06/30/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.86	
07/10/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.86	
07/20/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.86	
07/30/2023	Surface (irrigation)	No precipitation	No precipitation			No precipitation	
Source description		Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal		Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals			0.00	0.00	0.00	13.86	

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F-9 - 06/01/2023: Corn, silage

Application date	Application method		Precipitation 24 hours prior	Precipitation during application			Precipitation 24 hours following	
08/10/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal			Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	13.86	
08/20/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal			Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	13.86	
08/30/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal			Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	13.86	
09/10/2023	Surface (irrigation)		No precipitation	No precipitation			No precipitation	
Source description			Material type	N (lbs/acre)	P (lbs/acre)	K (lbs/acre)	Salt (lbs/acre)	Amount
Canal			Surface water	0.00	0.00	0.00	13.86	5,676,000.00 <i>gal</i>
Application event totals				0.00	0.00	0.00	13.86	

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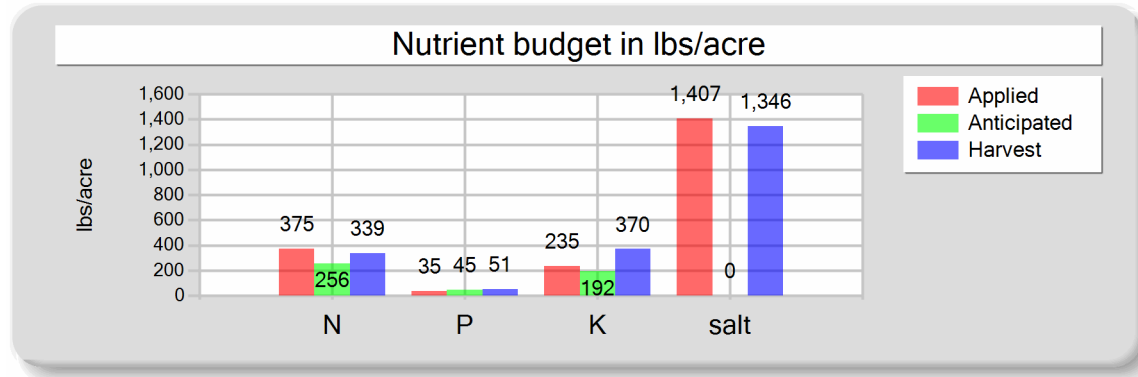
B. NUTRIENT BUDGET

F-7 - 11/01/2022: Wheat, silage, boot stage

Field name: F-7

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	7,352,000.00 gallons
Plowdown credit	0.00	0.00	0.00	0.00	270.75 acre-inches
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	6.94 inches/acre
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	367.98	34.97	235.37	1,388.00	Process wastewater applied
Fresh water	0.00	0.00	0.00	18.88	2,325,000.00 gallons
Atmospheric deposition	7.00	0.00	0.00	0.00	85.62 acre-inches
Total nutrients applied	374.98	34.97	235.37	1,406.88	2.20 inches/acre
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00	
Actual crop nutrient removal	338.69	51.15	370.48	1,346.46	Total harvests for the crop
Nutrient balance	36.29	-16.18	-135.12	60.42	1 harvests
Applied to removed ratio	1.11	0.68	0.64	1.04	

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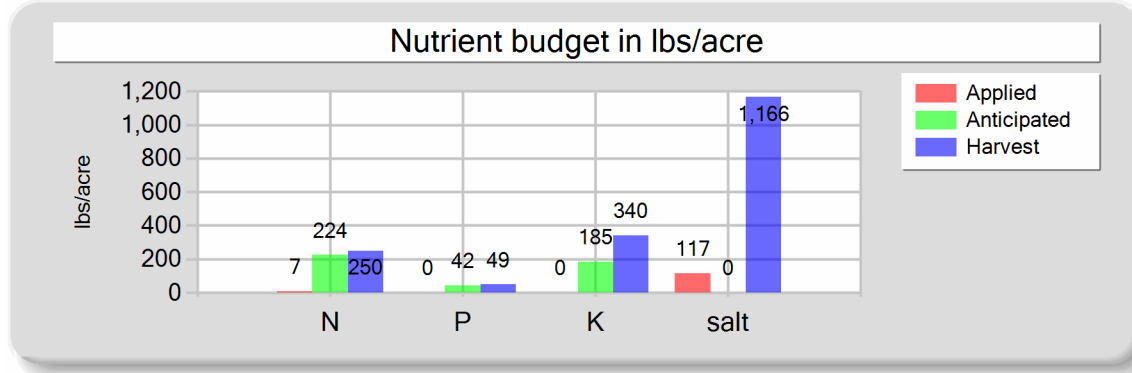
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F-7 - 06/01/2023: Corn, silage

Field name: F-7

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	45,408,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,672.22 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	42.88 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	116.59	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	116.59	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	249.85	48.79	340.03	1,166.46	
Nutrient balance	-242.85	-48.79	-340.03	-1,049.86	
Applied to removed ratio	0.03	0.00	0.00	0.10	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

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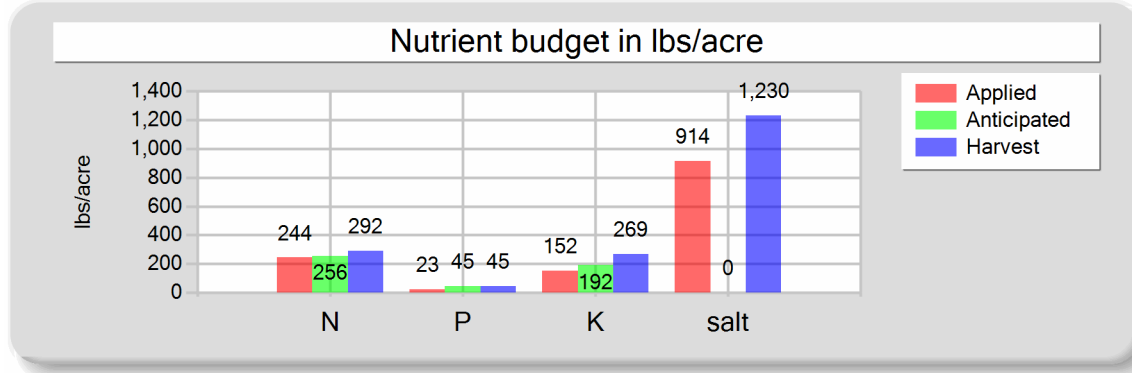
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F-9 - 11/01/2022: Wheat, silage, boot stage

Field name: F-9

Crop: Wheat, silage, boot stage

Plant date: 11/01/2022



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	237.12	22.54	151.66	894.39
Fresh water	0.00	0.00	0.00	19.91
Atmospheric deposition	7.00	0.00	0.00	0.00
Total nutrients applied	244.12	22.54	151.66	914.30
Anticipated crop nutrient removal	256.00	44.80	192.00	0.00
Actual crop nutrient removal	292.31	44.97	268.58	1,230.46
Nutrient balance	-48.20	-22.44	-116.91	-316.16
Applied to removed ratio	0.84	0.50	0.56	0.74

Fresh water applied
8,152,000.00 <i>gallons</i>
300.21 <i>acre-inches</i>
7.32 <i>inches/acre</i>

Process wastewater applied
1,575,000.00 <i>gallons</i>
58.00 <i>acre-inches</i>
1.41 <i>inches/acre</i>

Total harvests for the crop
1 <i>harvests</i>

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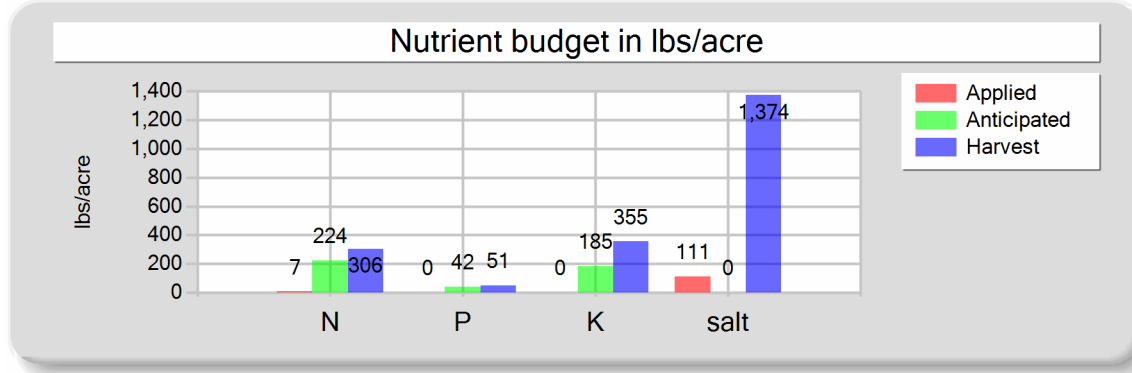
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F-9 - 06/01/2023: Corn, silage

Field name: F-9

Crop: Corn, silage

Plant date: 06/01/2023



	Total N (lbs/acre)	Total P (lbs/acre)	Total K (lbs/acre)	Total salt (lbs/acre)	Fresh water applied
Existing soil nutrient content	0.00	0.00	0.00	0.00	45,408,000.00 <i>gallons</i>
Plowdown credit	0.00	0.00	0.00	0.00	1,672.22 <i>acre-inches</i>
Commercial fertilizer / Other	0.00	0.00	0.00	0.00	40.79 <i>inches/acre</i>
Dry manure	0.00	0.00	0.00	0.00	
Process wastewater	0.00	0.00	0.00	0.00	
Fresh water	0.00	0.00	0.00	110.91	
Atmospheric deposition	7.00	0.00	0.00	0.00	
Total nutrients applied	7.00	0.00	0.00	110.91	
Anticipated crop nutrient removal	224.00	42.00	184.80	0.00	
Actual crop nutrient removal	305.62	51.21	355.18	1,374.46	
Nutrient balance	-298.62	-51.21	-355.18	-1,263.56	
Applied to removed ratio	0.02	0.00	0.00	0.08	
					Process wastewater applied
					0.00 <i>gallons</i>
					0.00 <i>acre-inches</i>
					0.00 <i>inches/acre</i>
					Total harvests for the crop
					1 <i>harvests</i>

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT ANALYSES

A. MANURE ANALYSES

Dry Manure

Sample and source description: Dry ManureSample date: 06/09/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weightMoisture: 14.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Calcium (mg/kg)	Magnesium (mg/kg)	Sodium (mg/kg)	Sulfur (mg/kg)	Chloride (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	12,800.00	6,200.00	21,800.00	15,200.00	9,000.00	7,300.00	4,600.00	103.90		69.80
DL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	10.00		1.00

B. PROCESS WASTEWATER ANALYSES

1st Qtr WW

Sample and source description: 1st Qtr WWSample date: 02/03/2023 Material type: Process wastewater Source of analysis: Lab analysis pH: 7.61

	Kjeldahl-N (mg/L)	NH4-N (mg/L)	NH3-N (mg/L)	Nitrate-N (mg/L)	Total P (mg/L)	Total K (mg/L)	Calcium (mg/L)	Magnes. (mg/L)	Sodium (mg/L)	Bicarb. (mg/L)	Carb. (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	739.67	191.41	0.00	0.00	70.30	473.11								4,360.00	2,790
DL	67.00	0.57	0.01	0.01	0.64	0.01								1.00	19

C. FRESH WATER ANALYSES

Barn

Barn

Sample description: BarnSample date: 12/13/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										236.00	
DL	0.10										1.00	

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

Canal

Canal

Sample description: Canal

Sample date: 08/17/2023 Source of analysis: Lab analysis

	Total N (mg/L)	NH4-N (mg/L)	Nitrate-N (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	EC (µmhos/cm)	TDS (mg/L)
Value	0.00										20.00	
DL	0.10										1.00	

D. SOIL ANALYSES

No soil analyses entered.

E. PLANT TISSUE ANALYSES

F-7 - 11/01/2022: Wheat, silage, boot stage

F-7

Sample and source description: F-7

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 61.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	24,500.00	3,700.00	26,800.00		9.74
DL	100.00	100.00	100.00		1.00

F-7 - 06/01/2023: Corn, silage

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

F-7 - 06/01/2023: Corn, silage

F-7

Sample and source description: F-7

Sample date: 09/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 73.6 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	16,900.00	3,300.00	23,000.00		7.89
DL	100.00	100.00	100.00		1.00

F-9 - 11/01/2022: Wheat, silage, boot stage

F-9

Sample and source description: F-9

Sample date: 05/11/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 65.3 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	23,400.00	3,600.00	21,500.00		9.85
DL	100.00	100.00	100.00		1.00

F-9 - 06/01/2023: Corn, silage

F-9

Sample and source description: F-9

Sample date: 09/15/2023 Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 70.5 %

	Total N (mg/kg)	Total P (mg/kg)	Total K (mg/kg)	Total salt (mg/kg)	TFS (%)
Value	18,500.00	3,100.00	21,500.00		8.32
DL	100.00	100.00	100.00		1.00

F. SUBSURFACE (TILE) DRAINAGE ANALYSES

No subsurface (tile) drainage analyses entered.

Annual Report - General Order No. R5-2007-0035

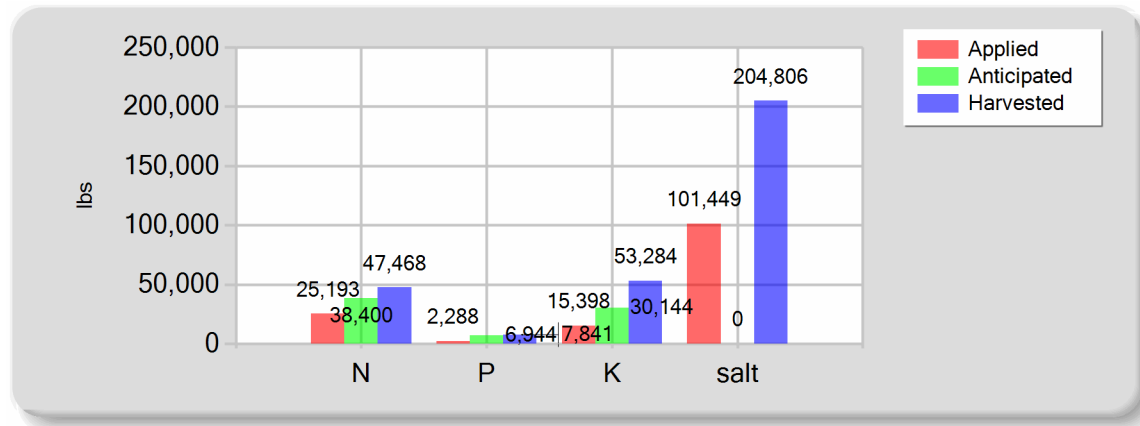
Reporting period 01/01/2023 to 12/31/2023.

NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

A. SUMMARY OF NUTRIENT APPLICATIONS, POTENTIAL REMOVAL, AND BALANCE

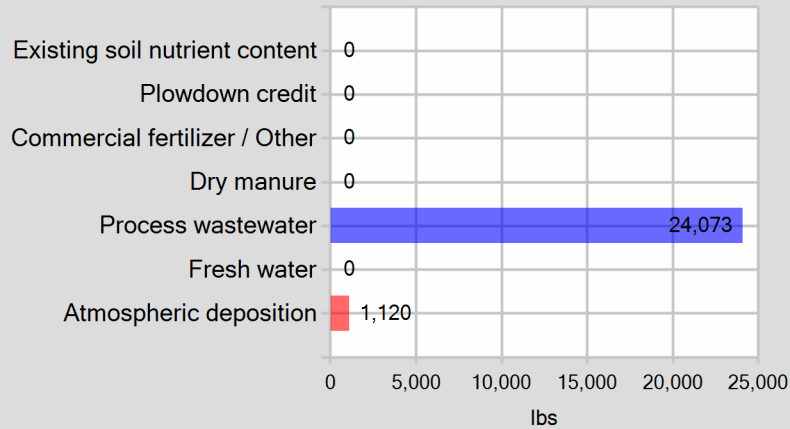
	Total N (lbs)	Total P (lbs)	Total K (lbs)	Total salt (lbs)
Existing soil nutrient content	0.00	0.00	0.00	0.00
Plowdown credit	0.00	0.00	0.00	0.00
Commercial fertilizer / Other	0.00	0.00	0.00	0.00
Dry manure	0.00	0.00	0.00	0.00
Process wastewater	24,072.93	2,287.95	15,397.60	90,801.95
Fresh water	0.00	0.00	0.00	10,646.88
Atmospheric deposition	1,120.00	0.00	0.00	0.00
Total nutrients applied	25,192.93	2,287.95	15,397.60	101,448.83
Anticipated crop nutrient removal	38,400.00	6,944.00	30,144.00	0.00
Actual crop nutrient removal	47,468.21	7,841.02	53,284.17	204,805.66
Nutrient balance	-22,275.28	-5,553.07	-37,886.57	-103,356.83
Applied to removed ratio	0.53	0.29	0.29	0.50

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL

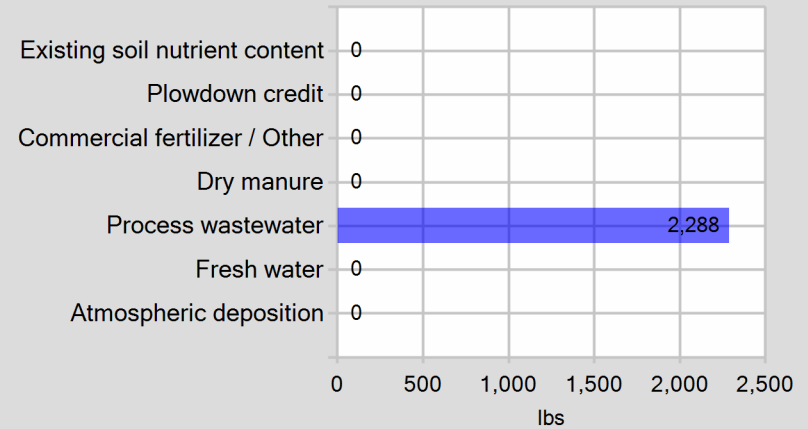


C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

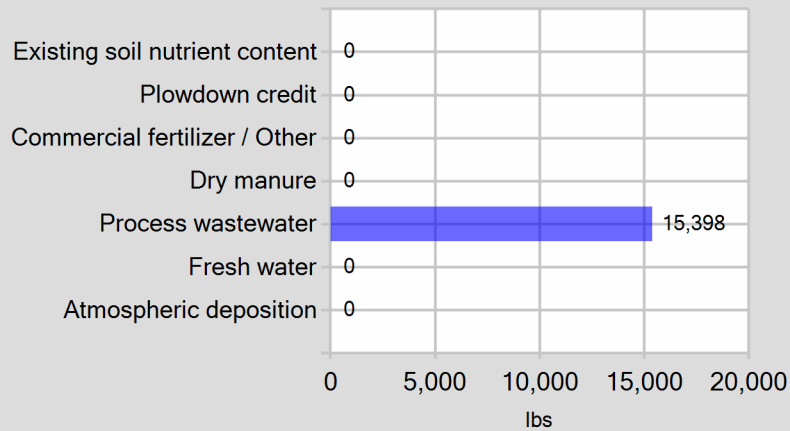
Pounds of nitrogen applied



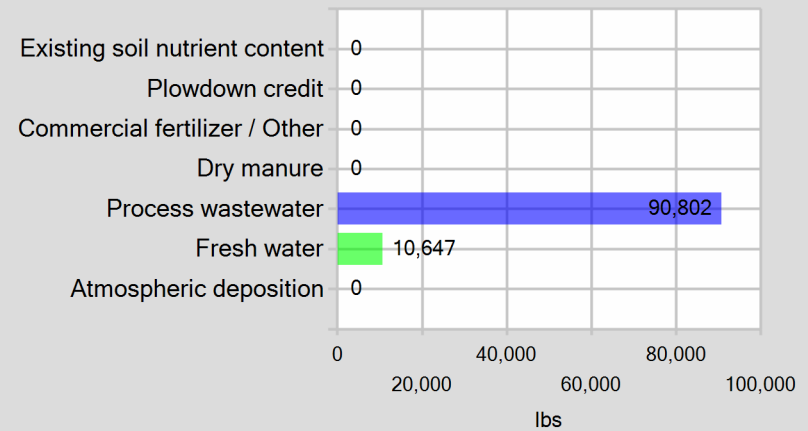
Pounds of phosphorus applied



Pounds of potassium applied



Pounds of salt applied



Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

EXCEPTION REPORTING

A. MANURE, PROCESS WASTEWATER, AND OTHER DAIRY WASTE DISCHARGES

The following is a summary of all manure and process 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.

No manure or process wastewater discharges occurred during the reporting period.

B. STORM WATER DISCHARGES

The following is a summary of all storm water discharges from the production area to surface water during the reporting period when not in accordance with the facility 's Nutrient Management Plan.

No stormwater discharges occurred during the reporting period.

C. LAND APPLICATION AREA TO SURFACE WATER DISCHARGES

The following is a summary of all discharges from the land application area to surface water that have occurred during the reporting period when not in accordance with the facility's Nutrient Management Plan.

No land application area to surface water discharges occurred during the reporting period.

NUTRIENT MANAGEMENT PLAN AND EXPORT AGREEMENT STATEMENTS

A. NUTRIENT MANAGEMENT PLAN STATEMENTS

Was the facility's NMP updated in the reporting period? No

Was the facility's NMP developed by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes

Was the facility's NMP approved by a certified nutrient management planner (specialist) as specified in Attachment C of the General Order? Yes

B. EXPORT AGREEMENT STATEMENT

Are there any written agreements with third parties to receive manure or process wastewater that are new or were revised within the reporting period? No

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

ADDITIONAL NOTES

A. NOTES

Dairy Empty no WW sample 2nd & 3rd Qtr & 4th Qtr.

All Wells were tested negative for Ammonia which was tested onsite using a test strip .

We had an extremely wet year and had early flood release water and then Canal water thru the whole year so no wells were turned on .

Annual Report - General Order No. R5-2007-0035
Reporting period 01/01/2023 to 12/31/2023.

CERTIFICATION

A. OWNER AND/OR OPERATOR CERTIFICATION

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.



SIGNATURE OF OWNER OF FACILITY

Manuel Dutra

PRINT OR TYPE NAME

6/14/24

DATE

SIGNATURE OF OPERATOR OF FACILITY

SAME AS OWNER

PRINT OR TYPE NAME

DATE

Annual Report - General Order No. R5-2007-0035

Reporting period 01/01/2023 to 12/31/2023.

ATTACHMENTS

A. REQUIRED ATTACHMENTS

The following lists the required documents that should be attached to the Annual Report when submitted .

Annual Dairy Facility Assessment

Provide an Annual Dairy Facility Assessment (an update to the Preliminary Dairy Facility Assessment in Attachment A) for each reporting period. On the PDFa Final page, click on the ADFA Report button to generate an ADFA report after updating information as needed .

Manure/Process Wastewater Tracking Manifests

Provide copies of all manure/process wastewater tracking manifests for the reporting period, signed by both the owner/operator and the hauler.

Corrective Actions Documents

Provide records documenting any corrective actions taken to correct deficiencies noted as a result of the inspections required in the Monitoring Requirements of the General Order. Deficiencies not corrected in 30 days must be accompanied by an explanation of the factors preventing immediate correction.

Groundwater Monitoring

Dischargers that monitor supply wells or subsurface (tile) drainage systems, or that have monitoring well systems must submit monitoring results as directed in the General Order, Groundwater Reporting Section starting on page MRP-13.

Storm Water Monitoring

Dischargers that are required to monitor storm water more frequently than required in the General Order must submit monitoring results as directed in the General Order, Storm Water Reporting Section on page MRP-14.

Golden Star Dairy #2
PO Box 747
Caruthers, CA 93609

Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:26

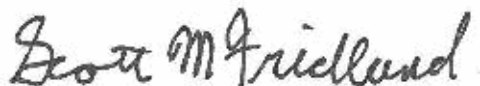
Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23L0725-01	Barn	Ag Water	Medeiros		12/12/2023 10:35

Default Cooler Temperature on Receipt °C: 16.9
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.



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02

Golden Star Dairy #2
PO Box 747
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Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:26

Sample Results

Sample: Barn
23L0725-01 (Water)

Sampled: 12/12/2023 10:35
Sampled By: Medeiros

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.24	mmhos/cm	0.01	1		12/13/23 18:35	SM 2510 B		BEL0587
Electrical Conductivity umhos	236	umhos/cm	10.0	1		12/13/23 18:35	SM 2510 B		BEL0587
Ammonia (as N)	ND	mg/L	0.00	1		12/12/23 10:35	Field		BEL0536
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	12/14/23 06:43	EPA 300.0		BEL0446
Temperature	25.0	units	0.0	1		12/13/23 18:35	SM 4500-H+	H	BEL0587
pH	9.2	units	1.0	1		12/13/23 18:35	SM 4500-H+	H	BEL0587

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Reported: 12/20/2023 13:26

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0446									
Blank (BEL0446-BLK1)				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK2)				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK3)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK4)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEL0446-BLK5)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEL0446-BS1)				Prepared & Analyzed: 12/13/2023					
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000		95.9	90-110		
LCS (BEL0446-BS2)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		97.9	90-110		
LCS (BEL0446-BS3)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	5.0	0.1	mg/L	5.000		99.7	90-110		
LCS (BEL0446-BS4)				Prepared & Analyzed: 12/14/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		97.9	90-110		
Duplicate (BEL0446-DUP1)				Source: 23L0776-07		Prepared & Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	7.7	0.1	mg/L		7.6			1.53	10
Duplicate (BEL0446-DUP2)				Source: 23L0778-01		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	0.6	0.1	mg/L		0.5			1.99	10
Duplicate (BEL0446-DUP3)				Source: 23L0691-01		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	0.02	0.1	mg/L		0.02				10
Duplicate (BEL0446-DUP4)				Source: 23L0774-09		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	0.04	0.1	mg/L		0.03			5.71	10
Matrix Spike (BEL0446-MS1)				Source: 23L0776-07		Prepared & Analyzed: 12/13/2023			
Nitrate Nitrogen as NO3N	12.7	0.1	mg/L	5.000	7.6	102	90-110		
Matrix Spike (BEL0446-MS2)				Source: 23L0778-01		Prepared & Analyzed: 12/14/2023			
Nitrate Nitrogen as NO3N	5.3	0.1	mg/L	5.000	0.5	95.6	90-110		

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Submitted By: Christina Medeiros

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Reported: 12/20/2023 13:26

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0446 (Continued)									
Matrix Spike (BEL0446-MS3)		Source: 23L0691-01			Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.02	96.5	90-110		
Matrix Spike (BEL0446-MS4)		Source: 23L0774-09			Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	4.8	0.1	mg/L	5.000	0.03	95.8	90-110		
Reference (BEL0446-SRM1)					Prepared & Analyzed: 12/13/2023				
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00		96.9	90-110		
Reference (BEL0446-SRM2)					Prepared & Analyzed: 12/13/2023				
Nitrate Nitrogen as NO3N	9.6		mg/L	10.00		96.5	90-110		
Reference (BEL0446-SRM3)					Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	9.7		mg/L	10.00		96.5	90-110		
Reference (BEL0446-SRM4)					Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	9.8		mg/L	10.00		98.1	90-110		
Reference (BEL0446-SRM5)					Prepared & Analyzed: 12/14/2023				
Nitrate Nitrogen as NO3N	9.6		mg/L	10.00		95.6	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: BEL0587									
Blank (BEL0587-BLK1)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	5.5	1.0	units						
Blank (BEL0587-BLK2)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
pH	7.3	1.0	units						
Blank (BEL0587-BLK3)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	ND	0.01	mmhos/cm						
Temperature	25.0	0.0	units						
pH	7.7	1.0	units						
Electrical Conductivity umhos	ND	10.0	umhos/cm						
Duplicate (BEL0587-DUP1)				Source: 23L0731-02		Prepared & Analyzed: 12/13/2023			
Electrical Conductivity	0.34	0.01	mmhos/cm		0.33			0.509	10
pH	7.2	1.0	units		7.3			1.66	10
Electrical Conductivity umhos	335	10.0	umhos/cm		333			0.509	10
Duplicate (BEL0587-DUP2)				Source: 23L0737-03		Prepared & Analyzed: 12/13/2023			
Electrical Conductivity	0.68	0.01	mmhos/cm		0.66			3.31	10
Electrical Conductivity umhos	682	10.0	umhos/cm		659			3.31	10
pH	8.3	1.0	units		8.3			0.00	10
Reference (BEL0587-SRM1)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	448		umhos/cm	426.0		105	90-110		
Reference (BEL0587-SRM2)				Prepared & Analyzed: 12/13/2023					
pH	7.5		units	7.520		100	67021-101.3;		
Reference (BEL0587-SRM3)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1080		umhos/cm	1000		108	90-110		
Electrical Conductivity umhos	1080		umhos/cm	1000		108	90-110		
Reference (BEL0587-SRM4)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1070		umhos/cm	1000		107	90-110		
Electrical Conductivity umhos	1070		umhos/cm	1000		107	90-110		
Reference (BEL0587-SRM5)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity	1060		umhos/cm	1000		106	90-110		

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Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 12/13/2023 7:00
Reported: 12/20/2023 13:26

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEL0587 (Continued)									
Reference (BEL0587-SRM5)				Prepared & Analyzed: 12/13/2023					
Electrical Conductivity umhos	1060		umhos/cm	1000		106	90-110		
Reference (BEL0587-SRM6)				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		101	97.5-102.5		
Reference (BEL0587-SRM7)				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		101	97.5-102.5		
Reference (BEL0587-SRM8)				Prepared & Analyzed: 12/13/2023					
pH	4.0		units	4.000		100	97.5-102.5		

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12/13/23 07:00

23L0725

WATER WORK REQUEST

Bill To: Acct No. 25811 Cons. 8

Purchase Order No. Results Needed By

Client **Golden Star Dairy #2**
Address **PO Box 747**
City, State, Zip **Caruthers, CA 93609**
Email **dutramjr@gmail.com**Copy to: **mel_tinamedeiros@yahoo.com**Requested by/Cell: **Christina Medeiros/ 559-903-2490**

Facility:

Date sampled

Sampled by **Medeiros**☒ QA/QC Document ☒ Copy of Chain ☒ RWQCB**DESCRIPTION OF SAMPLES**

1. Barn	Sampled From:
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:

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	[Signature]			12/12/23 11:32 AM
Second	[Signature]	OU	12/12/23 11:32 AM	
Third				
Fourth	[Signature]	ATI	12/13 07:00	

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 cash with samples unless terms have been previously arranged. Terms are net 30 days; overdue accounts will be charged a stated 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 attorneys' fees of Dellavalle Laboratory.

Invoicing Information:		Shipping	
Medeiros Pricing 2023		\$	In
Sampling Hrs	Miles Consulting	\$	Out
Amt Paid	Rec By	Check No.	Date

DELLAVALLE LABORATORY, INC.1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174No. of Samples No. Bottles
Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☒ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other**Analysis and Bottles Required: (Please Indicate Analysis)**

- ☒ EC, NO₃-N
(1) 1L plastic, unpreserved (white)
- ☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
(1) 1L plastic, unpreserved (white)
- ☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
(1) 1L plastic, unpreserved (white)
- ☐ DCW1: (EC, NO₃-N, TDS)
(1) 1L plastic, unpreserved (white)
- ☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
(1) 1L plastic, unpreserved (white)
- ☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
(1) 1L plastic, unpreserved (white)

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
12/12/23	1030 AM	0	16.9
IR Thermometer SN: 200560723 Correction Factor: 0°C Calibration Due: 03/06/2024 Location: Laboratory			
IR Thermometer SN: 221511276 Correction Factor: 0°C Calibration Due: 03/06/2024 Location: Hanford			

Signature

Sample received in cooler with ice?

[] Yes [] No

ett:update 2020



12/13/23 07:00

23L0725

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
<input type="checkbox"/> Samples re Fridgerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest					
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO ₃ or H ₂ SO ₄ were:					<input type="checkbox"/> Received Preserved		<input type="checkbox"/> Preserved Upon Receipt at Laboratory			
Type of Container(s) Received		Sample Number								
		1	2	3	4	5	6	7	8	9
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
	500 mL unpreserved (White) Plastic									
	1 L unpreserved (White) Plastic									
Special	1 L unpreserved (BOD) (Purple) Plastic									
	500mL unpreserved (White) Glass									
	PO4-P Kit									
Other:										
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)										
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)									
	250 mL unpreserved (White) Plastic									
	250 mL HNO ₃ (Red) Plastic									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	500 mL HNO ₃ (Red)									
	1 L unpreserved (White) Plastic									
	1 L unpreserved (BOD) (Purple) Plastic									
	1 L HNO ₃ (Red)									
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)									
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
Special	1 L AG HCl (Blue)									
	Cr ^{VI} - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									
	DO KIT									
Other:										
Other:										



12/13/23 07:00

23L0725

WATER WORK REQUEST

Bill To: Acct No. 25811 Cons. 8

Purchase Order No. Results Needed By

Client Golden Star Dairy #2
Address PO Box 747
City, State, Zip Caruthers, CA 93609
Email dutramjr@gmail.com

Copy to: mel_tinamedeiros@yahoo.com

Requested by/Cell: Christina Medeiros/ 559-903-2490

Facility:

Date sampled

Sampled by Medeiros

☒ QA/QC Document ☒ Copy of Chain ☒ RWQCB**DESCRIPTION OF SAMPLES**

1. Barn	Sampled From:
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:

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
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Invoicing Information:		Shipping	
Medeiros Pricing 2023		\$	In
Sampling Hrs	Miles Consulting	\$	Out
Amt Paid	Rec By	Check No.	Date

DELLAVALLE LABORATORY, INC.1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6129 • 800 228-9896 • Fax 559 268-8174No. of Samples No. Bottles
Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☒ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other**Analysis and Bottles Required: (Please Indicate Analysis)**

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(1) 1 L plastic, unpreserved (white)
- ☐ DCW1: (EC, NO₃-N, TDS)
(1) 1 L plastic, unpreserved (white)
- ☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)
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(1) 1 L plastic, unpreserved (white)

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
12/12/23	1030 AM	0	16.9
IR Thermometer SN: 200560723 Correction Factor: 0°C Calibration Due: 03/06/2024 Location: Laboratory			
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Signature

Sample received in cooler with ice?

[] Yes [] No

ett:update 2020



12/13/23 07:00

23L0725

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input checked="" type="checkbox"/> DLI Sampler <input type="checkbox"/> Other <input type="checkbox"/>										
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Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>					
Samples Preserved with HNO ₃ or H ₂ SO ₄ were:					<input type="checkbox"/> Received Preserved		<input type="checkbox"/> Preserved Upon Receipt at Laboratory			
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	* pH Value									
	250 mL H ₂ SO ₄ (Yellow) Plastic									
	* pH Value									
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	1 L unpreserved (White) Plastic									
Special	1 L unpreserved (BOD) (Purple) Plastic									
	500mL unpreserved (White) Glass									
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Other:										
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	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)									
	40mL AG VOA unpreserved (White) (Set of 3)									
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
	40mL VOA, H ₃ PO ₄ (Set of 3)									
	40 mL VOA, HCl (Blue) (Set of 3)									
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)									
Glass	250 mL AG unpreserved (White)									
	250 mL AG H ₂ SO ₄ (Yellow)									
	250 mL AG Na ₂ S ₂ O ₃ (Green)									
	250 mL AG Na ₂ S ₂ O ₃ + MCAA									
	500 mL glass unpreserved (White)									
	500 mL AG HCl (Blue)									
	1 L AG unpreserved (White)									
	1 L AG H ₂ SO ₄ (Yellow)									
	1 L AG Na ₂ S ₂ O ₃ (Green)									
Special	1 L AG HCl (Blue)									
	Cr ^{VI} - 50mL Plastic w/Borate/HCO ₃ /CO ₃									
	Cyanide - 500 mL NaOH									
	Asbestos - 1L P wrapped in foil (Set of 2)									
	Sulfide - 1 L AG or P NaOH + ZnAc									
	Chlorite/Bromate - 250 mL AG with EDA									
	HAA5 - 250mL AG Ammonium Chlorite									
	DO KIT									
Other:										
Other:										

Golden Star Dairy #2
PO Box 747
Caruthers, CA 93609

Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:42
Reported: 08/23/2023 14:56

Samples in this Report

Lab ID	Sample	Matrix	Sampled By	Crop	Date Sampled
23H1589-01	Canal	Ag Water			08/16/2023 15:30

Default Cooler Temperature on Receipt °C: 0.1
Containers Intact
COC/Labels Agree
Received On Ice

Notes and Definitions

Item	Definition
MCL	Drinking Water Maximum Contaminant Level
ND	Analyte NOT DETECTED at or above the reporting limit.
NES	Not Enough Sample
*	Not Taken



Laboratory Director/Technical Manager

ELAP Certification #1595
A2LA Certification #6440.02



Golden Star Dairy #2
PO Box 747
Caruthers, CA 93609

Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:42
Reported: 08/23/2023 14:56

Sample Results

Sample: Canal
23H1589-01 (Water)

Sampled: 8/16/2023 15:30

Sampled By:

Analyte	Result	Units	Reporting Limit	DIL	DW MCL	Date/Time Analyzed	Method	Notes	Batch
Electrical Conductivity	0.02	mmhos/cm	0.01	1		08/18/23 17:26	SM 2510 B		BEH0918
Nitrate Nitrogen as NO3N	ND	mg/L	0.1	1	10	08/18/23 01:52	EPA 300.0		BEH0886

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PO Box 747
Caruthers, CA 93609

Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:42
Reported: 08/23/2023 14:56

Quality Control

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0886									
Blank (BEH0886-BLK1)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEH0886-BLK2)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
Blank (BEH0886-BLK3)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	ND	0.1	mg/L						
LCS (BEH0886-BS1)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		97.8	90-110		
LCS (BEH0886-BS2)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	4.9	0.1	mg/L	5.000		98.4	90-110		
Duplicate (BEH0886-DUP1)		Source: 23H0170-01		Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	0.2	0.1	mg/L		0.2			0.475	10
Duplicate (BEH0886-DUP2)		Source: 23H1556-01		Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	5.8	0.1	mg/L		5.8			0.172	10
Matrix Spike (BEH0886-MS1)		Source: 23H0170-01		Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	5.2	0.1	mg/L	5.000	0.2	99.6	90-110		
Matrix Spike (BEH0886-MS2)		Source: 23H1556-01		Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.8	0.1	mg/L	5.000	5.8	98.9	90-110		
Reference (BEH0886-SRM1)				Prepared & Analyzed: 8/17/2023					
Nitrate Nitrogen as NO3N	9.9		mg/L	10.00		98.8	90-110		
Reference (BEH0886-SRM2)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		
Reference (BEH0886-SRM3)				Prepared: 8/17/2023 Analyzed: 8/18/2023					
Nitrate Nitrogen as NO3N	10.0		mg/L	10.00		99.6	90-110		

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PO Box 747
Caruthers, CA 93609

Account# 00-0025811
Account Manager: Ben Nydam
Submitted By: Christina Medeiros

Received: 08/17/2023 8:42
Reported: 08/23/2023 14:56

Quality Control (Continued)

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0918									
Blank (BEH0918-BLK1)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023			
Blank (BEH0918-BLK2)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023			
Blank (BEH0918-BLK3)									
Electrical Conductivity	ND	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023			
Duplicate (BEH0918-DUP1)									
Electrical Conductivity	0.02	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023		9.30	10
Duplicate (BEH0918-DUP2)									
Electrical Conductivity	0.02	0.01	mmhos/cm		Prepared: 8/17/2023	Analyzed: 8/18/2023		0.00	10
Reference (BEH0918-SRM1)									
Electrical Conductivity	511		umhos/cm	538.0	Prepared: 8/17/2023	Analyzed: 8/18/2023	94.9	90-110	
Reference (BEH0918-SRM3)									
Electrical Conductivity	956		umhos/cm	1000	Prepared: 8/17/2023	Analyzed: 8/18/2023	95.6	90-110	
Reference (BEH0918-SRM4)									
Electrical Conductivity	956		umhos/cm	1000	Prepared: 8/17/2023	Analyzed: 8/18/2023	95.6	90-110	
Reference (BEH0918-SRM5)									
Electrical Conductivity	971		umhos/cm	1000	Prepared: 8/17/2023	Analyzed: 8/18/2023	97.1	90-110	

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08/17/23 08:42

23H1589

WATER WORK REQUESTAcct No. 25811 Cons. 8

Purchase Order No. _____ Results Needed By _____

Client Golden Star Dairy #2
Address PO Box 747
City, State, Zip Caruthers, CA 93609
Email dutramjr@gmail.comCopy to: mel_tinamedeiros@yahoo.comRequested by/Cell: Christina Medeiros/ 559-903-2490

Facility: _____

Date sampled _____

Sampled by _____

☒ QA/QC Document ☒ Copy of Chain ☒ RWQCB**DESCRIPTION OF SAMPLES**

1.	<u>Canal</u>	Sampled From: _____
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: _____

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>med</u>	<u>David</u>		<u>8/16/23 4:35pm</u>
Second	<u>DLI</u>	<u>DLI</u>	<u>8/16/23 4:35pm</u>	<u>8/16/23</u>
Third	<u>MM</u>	<u>DLI</u>	<u>8/17/23 8:42</u>	
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 attorneys' fees. It is understood that payment is expected to be cash 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.

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Invoicing Information:		Shipping	
Medeiros Pricing 2023		\$ _____	In
Sampling Hrs _____	Miles _____	\$ _____	Out
Consulting _____			
Amt Paid _____	Rec By _____	Check No. _____	Date _____

DELLAVALLE LABORATORY, INC.1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6124 • 800 228-9896 • Fax 559 268-8174No. of Samples _____ No. Bottles _____
Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☒ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other _____**Analysis and Bottles Required: (Please Indicate Analysis)**

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☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
(1) 1 L plastic, unpreserved (white)

☐ Other _____

Date Sampled	Time Sampled	Field NH4-N (mg/L)	Received Temp °C
<u>8/16/23</u>	<u>3:30pm</u>		<u>0.7</u>

Signature _____

Sample received in cooler with ice?

☐ Yes ☐ No

cittupdate 2020

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



08/17/23 08:42

23H1589

Shipping Information: Shipped In <input type="checkbox"/> Picked-Up <input type="checkbox"/> Walk In <input type="checkbox"/> DLI Sampler <input checked="" type="checkbox"/> Other <input type="checkbox"/>											
<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
Samples Preserved with HNO₃ or H₂SO₄ were:					<input type="checkbox"/> Received Preserved <input type="checkbox"/> Preserved Upon Receipt at Laboratory						
Type of Container(s) Received		Sample Number									
		1	2	3	4	5	6	7	8	9	10
Sample Containers for Internal (DLI) Use (Containers that go into the Lab)											
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	* pH Value										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	* pH Value										
	500 mL unpreserved (White) Plastic										
	1 L unpreserved (White) Plastic	1									
Special	1 L unpreserved (BOD) (Purple) Plastic										
	500mL unpreserved (White) Glass										
	PO4-P Kit										
Other:											
Sample Containers for Subcontracted ("Send Out") Analyses (Containers that go in the Subcontract ("Send Out") Refrigerator)											
Plastics	100 mL sterile plastic Na ₂ S ₂ O ₃ (Green)										
	250 mL unpreserved (White) Plastic										
	250 mL HNO ₃ (Red) Plastic										
	250 mL H ₂ SO ₄ (Yellow) Plastic										
	500 mL HNO ₃ (Red)										
	1 L unpreserved (White) Plastic										
	1 L unpreserved (BOD) (Purple) Plastic										
	1 L HNO ₃ (Red)										
VOA Vials	40 mL VOA, Na ₂ S ₂ O ₃ + MCAA (EPA531)										
	40 mL VOA, Na ₂ S ₂ O ₃ (EPA547)										
	40mL AG VOA unpreserved (White) (Set of 3)										
	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	40mL VOA, H ₃ PO ₄ (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H ₂ SO ₄ (Yellow)										
	250 mL AG Na ₂ S ₂ O ₃ (Green)										
	250 mL AG Na ₂ S ₂ O ₃ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H ₂ SO ₄ (Yellow)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
	1 L AG HCl (Blue)										
Special	Cr ⁶⁺ - 50mL Plastic w/Borate/HCO ₃ /CO ₃										
	Cyanide - 500 mL NaOH										
	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
	DO KIT										
Other:											



08/17/23 08:42

23H1589

WATER WORK REQUESTAcct No. 25811 Cons. 8

Purchase Order No. _____ Results Needed By _____

Client Golden Star Dairy #2
Address PO Box 747
City, State, Zip Caruthers, CA 93609
Email dutramjr@gmail.comCopy to: mel_tinamedeiros@yahoo.comRequested by/Cell: Christina Medeiros/ 559-903-2490

Facility: _____

Date sampled _____

Sampled by _____

☒ QA/QC Document ☒ Copy of Chain ☒ RWQCB**DESCRIPTION OF SAMPLES**

1. <u>Canal</u>	Sampled From: _____
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: _____

CHAIN OF CUSTODY

Carrier	Signature	Company	Received (Date/Time)	Relinquished (Date/Time)
First	<u>med</u>	<u>David</u>		<u>8/16/23 4:35pm</u>
Second	<u>DLI</u>	<u>DLI</u>	<u>8/16/23 4:35pm</u>	<u>8/16/23</u>
Third	<u>MM</u>	<u>DLI</u>	<u>8/17/23 8:42</u>	
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 attorneys' fees. It is understood that payment is expected to be cash 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 attorneys' fees of DellaValle Laboratory.

Invoicing Information:		Shipping	
Medeiros Pricing 2023		\$ _____	In
Sampling Hrs _____	Miles _____ Consulting _____	\$ _____	Out
Amt Paid _____	Rec By _____	Check No. _____	Date _____

DELLAVALLE LABORATORY, INC.1910 W. McKinley Avenue, Suite 110 • Fresno, CA 93728
www.dellavallelab.com 559 233-6124 • 800 228-9896 • Fax 559 268-8174No. of Samples _____ No. Bottles _____
Water Type: ☒ Ag Water ☐ Drinking ☐ Wastewater
☒ Supply Water ☐ Ground Water ☐ Mon. Well
☐ Other _____**Analysis and Bottles Required: (Please Indicate Analysis)**

- ☒ EC, NO₃-N
(1) 1 L plastic, unpreserved (white)
☐ DWW1: (EC, pH, NO₃-N, NH₄-N Field Test)
(1) 1 L plastic, unpreserved (white)
☐ DWW2: (DWW1 Plus SO₄, CO₃, HCO₃, Cl, Ca, Mg, Na, TDS)
(1) 1 L plastic, unpreserved (white)
☐ DCW1: (EC, NO₃-N, TDS)
(1) 1 L plastic, unpreserved (white)
☐ DPW1: (EC, pH, NO₃-N, NH₄-N, TKN, TDS, TP, TK)
(1) 1 L plastic, unpreserved (white)
☐ DPW2: (DPW1 Plus Ca, Mg, Na, HCO₃, CO₃, SO₄, Cl)
(1) 1 L plastic, unpreserved (white)

☐ Other _____

Date Sampled	Time Sampled	Field NH ₄ -N (mg/L)	Received Temp °C
<u>8/16/23</u>	<u>3:30pm</u>		<u>0.7</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Signature _____

Sample received in cooler with ice?

☐ Yes ☐ No

cittupdate 2020

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



08/17/23 08:42

23H1589

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<input type="checkbox"/> Samples refrigerated before pick up					<input type="checkbox"/> Picked up samples placed in Ice chest						
Container: Ice Chest <input checked="" type="checkbox"/> Box <input type="checkbox"/> None <input type="checkbox"/>					Refrigerant: Wet Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/>						
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	* pH Value										
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	* pH Value										
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	40 mL AG VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
	40mL VOA, H ₃ PO ₄ (Set of 3)										
	40 mL VOA, HCl (Blue) (Set of 3)										
	40 mL VOA, Na ₂ S ₂ O ₃ (Green) (Set of 3)										
Glass	250 mL AG unpreserved (White)										
	250 mL AG H ₂ SO ₄ (Yellow)										
	250 mL AG Na ₂ S ₂ O ₃ (Green)										
	250 mL AG Na ₂ S ₂ O ₃ + MCAA										
	500 mL glass unpreserved (White)										
	500 mL AG HCl (Blue)										
	1 L AG unpreserved (White)										
	1 L AG H ₂ SO ₄ (Yellow)										
	1 L AG Na ₂ S ₂ O ₃ (Green)										
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	Asbestos - 1L P wrapped in foil (Set of 2)										
	Sulfide - 1 L AG or P NaOH + ZnAc										
	Chlorite/Bromate - 250 mL AG with EDA										
	HAA5 - 250mL AG Ammonium Chlorite										
DO KIT											
Other:											