

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:** Sierra Blanca Ranch #2

Physical address of dairy:

15010 5th AVE
Number and StreetHanford
CityKings
County93230
Zip Code

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

Date facility was originally placed in operation: 03/01/1990Regional Water Quality Control Board Basin Plan designation: Tulare Basin

County Assessor Parcel Number(s) for dairy facility:

X028-X070-X007-XXXX**B. OPERATORS**

TeVelde, Adam

Operator name: TeVelde, Adam

Telephone no.:

(559) 410-3456Landline Cellular2911 Hanford-Armona RD
Mailing Address Number and StreetHanford
CityCA 93230
State Zip Code**This operator is responsible for paying permit fees.**

TeVelde, Jacob

Operator name: TeVelde, Jacob

Telephone no.:

(559) 786-6757Landline Cellular2911 Hanford-Armona RD
Mailing Address Number and StreetHanford
CityCA 93230
State Zip Code**C. OWNERS**

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

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

TeVelde, Adam

Legal owner name: <u>TeVelde, Adam</u>	Telephone no.:	<u>(559) 410-3456</u>	
		Landline	Cellular
<u>2911 Hanford-Armona RD</u>	<u>Hanford</u>	<u>CA</u>	<u>93230</u>
Mailing Address Number and Street	City	State	Zip Code

This owner is responsible for paying permit fees.

TeVelde, Jacob

Legal owner name: <u>TeVelde, Jacob</u>	Telephone no.:	<u>(559) 786-6757</u>	
		Landline	Cellular
<u>2911 Hanford-Armona RD</u>	<u>Hanford</u>	<u>CA</u>	<u>93230</u>
Mailing Address Number and Street	City	State	Zip Code

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

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

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	1	0	123	107	0	0
Number under roof	0	0	0	0	0	0
Maximum number	1	0	130	115	0	0
Average number	1	0	123	107	0	0
Avg live weight (lbs)	1,400	0	1,000	750		

Predominant milk cow breed: Holstein

Average milk production: 75 pounds per cow per day

B. MANURE GENERATED

Total manure excreted by the herd: 2,342.69 tons per reporting period

Total nitrogen from manure: 22,170.05 lbs per reporting period

After ammonia losses (30% loss applied): 15,519.04 lbs per reporting period

Total phosphorus from manure: 3,751.99 lbs per reporting period

Total potassium from manure: 194.79 lbs per reporting period

Total salt from manure: 470.85 lbs per reporting period

C. PROCESS WASTEWATER GENERATED

Process wastewater generated: _____ gallons

Total nitrogen generated: _____ lbs

Total phosphorus generated: _____ lbs

Total potassium generated: _____ lbs

Total salt generated: _____ lbs

	0 gallons applied
+	0 gallons exported
-	0 gallons imported
=	0 gallons generated

D. FRESH WATER SOURCES

Source Description	Type
DW1	Ground water

E. SUBSURFACE (TILE) DRAINAGE SOURCES

No subsurface (tile) drainage sources entered.

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

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

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.

APPLICATION AREA

A. LIST OF LAND APPLICATION AREAS

No land application areas entered.

Totals for areas that were used for application					
Totals for areas that were not used for application					
Land application area totals					

B. CROPS AND HARVESTS

No application area fields entered.

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

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

NUTRIENT BUDGET

A. LAND APPLICATIONS

No application area crops entered.

B. NUTRIENT BUDGET

No application area crops entered.

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

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

NUTRIENT ANALYSES

A. MANURE ANALYSES

Manure

Sample and source description: Manure

Sample date: 05/03/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 9.2 %

	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	14,600.00	3,700.00	14,900.00	11,700.00	3,200.00	1,600.00	2,100.00	5,700.00		52.90
DL	500.00	200.00	200.00	100.00	100.00	100.00	100.00	100.00		0.10

Manure

Sample and source description: Manure

Sample date: 10/10/2023 Material type: Corral solids Source of analysis: Lab analysis Method of reporting: Dry-weight

Moisture: 21.4 %

	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	14,800.00	5,300.00	31,600.00							
DL	100.00	200.00	200.00							

B. PROCESS WASTEWATER ANALYSES

No process wastewater analyses entered.

C. FRESH WATER ANALYSES

DW1

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

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

DW1

DW1

Sample description: DW1Sample date: 11/30/2023 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			23.60								1,100.00	
DL			0.50								1.00	

D. SOIL ANALYSES*No soil analyses entered.***E. PLANT TISSUE ANALYSES***No plant tissue analyses entered.***F. SUBSURFACE (TILE) DRAINAGE ANALYSES***No subsurface (tile) drainage analyses entered.*

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

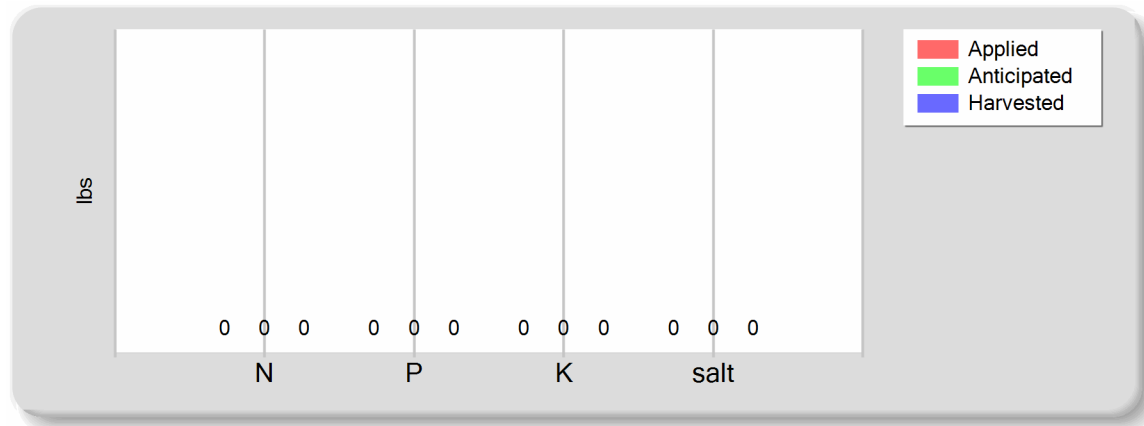
Reporting period 01/01/2023 to 12/31/2023.

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	0.00	0.00	0.00	0.00
Fresh water	0.00	0.00	0.00	0.00
Atmospheric deposition	0.00	0.00	0.00	0.00
Total nutrients applied	0.00	0.00	0.00	0.00
Anticipated crop nutrient removal	0.00	0.00	0.00	0.00
Actual crop nutrient removal	0.00	0.00	0.00	0.00
Nutrient balance	0.00	0.00	0.00	0.00
Applied to removed ratio	0.00	0.00	0.00	0.00

B. POUNDS OF NUTRIENT APPLIED VS. CROP REMOVAL



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

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

C. POUNDS OF NUTRIENT APPLIED BY MATERIAL TYPE

Pounds of nitrogen applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

Pounds of phosphorus applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

Pounds of potassium applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

Pounds of salt applied

Existing soil nutrient content 0
Plowdown credit 0
Commercial fertilizer / Other 0
Dry manure 0
Process wastewater 0
Fresh water 0
Atmospheric deposition 0

lbs

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? Yes

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

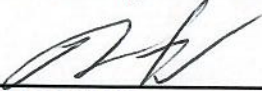
- No land attached to facility.
- No wastewater to sample in the lagoon

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

Adam TeVelde

PRINT OR TYPE NAME

6/13/24

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.

December 13, 2023

Lab No. : VI 2348032

Customer No. : 4019696

Sentry Ag Services
 Attn: Monique Baldiviez
 P.O. Box 7750
 Visalia, CA 93290

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
DW1	11/30/2023	11/30/2023	VI 2348032-001	AGW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the associated Chain of Custody and Condition Upon Receipt Form.


Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary

SM 4500-H+B	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 4500-NO3 F	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)

Certification: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above and in the QC Section. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: JRD

Approved By **Kelly A. Dunnahoo, B.S.**  Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-12-14

December 13, 2023

Sentry Ag Services

Attn: Monique Baldivez

P.O. Box 7750

Visalia, CA 93290

Description : DW1

Project : Sierra Blanca 2

Lab No. : VI 2348032-001

Customer No. : 4019696

Sampled On : November 30, 2023 at 10:15

Sampled By : Jeremy DeRuiter

Received On : November 30, 2023 at 16:05

Matrix : Ag Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrate Nitrogen	23.6	0.4	mg/L		1		12/01/2023	12:15	lfs	SM 4500-NO3 F	12/01/2023	14:05	lfs
Conductivity	1100	1	umhos/cm		1		12/07/2023	07:47	krh	SM 4500-H+B	12/07/2023	13:24	krh

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Corporate Offices & Laboratory

853 Corporation Street

Santa Paula, CA 93060

TEL: (805)392-2000

Env FAX: (805)525-4172 / Ag FAX: (805)392-2063

CA ELAP Certification No. 1573

Office & Laboratory

2500 Stagecoach Road

Stockton, CA 95215

TEL: (209)942-0182

FAX: (209)942-0423

CA ELAP Certification No. 1563

Office & Laboratory

563 E. Lindo Avenue

Chico, CA 95926

TEL: (530)343-5818

FAX: (530)343-3807

CA ELAP Certification No. 2670

Office & Laboratory

3442 Empresa Drive, Suite D

San Luis Obispo, CA 93401

TEL: (805)783-2940

FAX: (805)783-2912

CA ELAP Certification No. 2775

Office & Laboratory

9415 W. Goshen Avenue

Visalia, CA 93291

TEL: (559)734-9473

FAX: (559)734-8435

CA ELAP Certification No. 2810

December 13, 2023
Sentry Ag Service

Lab No. : VI 2348032
Customer No. : 4019696

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2348017-001)	Dup	umhos/cm		0%	5	
Nitrate Nitrogen	4500NO3F	12/01/2023:213604LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	95.1%	80-120	
			MS	mg/L	5.609	92.4%	66-125	
		(SP 2319794-001)	MSD	mg/L	5.609	92.9%	66-125	
			MSRPD	mg/L		0.3%	≤30.4	

Definition

Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.

SECTION III

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559) 734-9473
FAX: (559) 734-8435

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: CC CH STK VI

1. Number of ice chests/packages received: 1 Shipping tracking #(s): OTC

2. Temp IR Gun ID #: 4157

3. Were samples received on ice? ☒ Yes ☐ No Temps: 11.6°C / / /

Surface water SWTR bact samples: A sample that has a temperature upon receipt of >10° C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

4. Do the number of bottles received agree with the COC? ☒ Yes ☐ No ☐ N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.) ☒ Yes ☐ No ☐ N/A

6. VOAs checked for Headspace? ☒ Yes ☐ No ☒ N/A

7. Were all analyses within holding times at time of receipt? ☒ Yes ☐ No

8. Verify sample date, time and sampler name ☒ Yes ☐ No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.

Sample Receipt Review completed by (initials): ADH

Sample Receipt at SP:

1. Number of ice chests/packages received: 2 Shipping tracking #(s): 560553707 / 15

2. Temp IR Gun ID #: 163

3. Were samples received on ice? ☒ Yes ☐ No Temps: 2 / 3 / / /

Acceptable is above freezing to 6°C. If many packages are received at one time check for tests/H.T.'s/rushes/

4. Do the number of bottles received agree with the COC? ☒ Yes ☐ No ☐ N/A

5. Were samples received intact? (i.e. no broken bottles, leaks etc.) ☒ Yes ☐ No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? ☒ Yes ☐ No

2. Did bottle labels correspond with the client's ID's? ☒ Yes ☐ No

3. Were all bottles requiring sample preservation properly preserved? ☒ Yes ☐ No ☐ N/A ☐ FGL

[Exception: Oil & Grease, VOA and CrVI verified in lab]

4. VOAs checked for Headspace? ☒ Yes ☐ No ☒ N/A

5. Have rush or project due dates been checked and accepted? ☒ Yes ☐ No ☒ N/A

6. Were all analyses within holding times at time of receipt? ☒ Yes ☐ No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): CDA

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____

Initiated By: _____ Date: _____

Problem: _____

Resolution: _____