



Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave., Ste B, Tulare
559-687-1440

Legacy Ranches #1 **WDID 5C54NC00169**

11981 Road 80 Tipton, CA 93272

<input checked="" type="checkbox"/>	Annual Report
<input checked="" type="checkbox"/>	Water Analysis Samples
<input checked="" type="checkbox"/>	Manure Manifest
<input checked="" type="checkbox"/>	Facility / Land Map
<input checked="" type="checkbox"/>	CCA Nitrogen Retrofit Report
<input type="checkbox"/>	
<input type="checkbox"/>	

GEO Tracker Confirmation #

Date:

Facility Info

Reporting Period: 1/1/2023 to 12/31/2023

Name of the Facility

Dairy Name: Legacy Ranches #1 WDID 5C54NC00169
Facility Address: 11981 Road 80 Tipton, CA 93272
Original Operation Date: 1/1/1930
Facility APN's: x293 x180 x004 xxxx
RWQCB Basin Plan Designation: Tulare Lake Basin

☐ Check if any information has changed

Owner(s)

Owner(s) Name: Fernandes Brothers
Mailing Address: P.O. Box 1149 Tipton, CA 93272
Home Phone Number:
Cell Phone Number: 559-308-6241

☐ Check if any information has changed

Operator(s)

Operator(s) Name: Legacy Ranches #1
Mailing Address: P.O. Box 1149 Tipton, CA 93272
Home Phone Number:
Cell Phone Number: 559-308-6241

☐ Check if any information has changed

Herd Information

	Milk Cows	Dry Cows	Bred Heifers (12-24 mo)	Heifers (3-12 mo)	Calves (0-3 mo)
Open Confinement:	-	-	850	122	-
Number Under Roof	-	-	-	-	-
Maximum Number			850	122	
Average Number			850	122	
Average Live Weight (lbs)			950	630	

Average Milk Production:

59

Predominant Milk Cow Breed:

Jersey-Holstein Cross

Manure Generated:

Total manure excreted by the herd:

ton/yr

1,578.86 @40% Moisture

Total nitrogen from manure:

lbs

89,214

lbs

7,136

lbs

56,192

lbs

Total salt from manure:

-

After Ammonia (30% loss applied)

62,450

lbs per reporting period

Process Wastewater Generated:

Process wastewater generated:

gal

-

Total nitrogen generated:

lbs

-

lbs

-

lbs

-

Total salt (TDS) generated:

lbs

-

List of Land Application Areas

[illegible]

List of Fresh Water Sources

[illegible]

Winter Crops & Harvest

[illegible]

Detactable L Valley Tech
Dellavalle

0.10%	0.05%	0.01%	0.05%
0.001%	0.01%	0.01%	0.001%

General Minerals

Detectable Limits

FGL Environmental

every room.

Soil Analysis (Winter)

[illegible]

Detectable Limits

Valley Tech 0.1

DellaValle 0.1

0.1

0.1

1.1

0.2

0.0015

0.0001%

Soil Analysis (Summer)

[illegible]

Detectable Limits

Valley Tech 0.1

DellaValle

0.1

0.1

1.1

0.2

0.0015

0.0001%

Acres: 55.00

**Dry Weight
As Received**

Field Name/Number: 1L1

Acres: 55

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	0.1	0.0	0.0	227.8
Nutrients Removed at Harvest	-582.0	-61.3	-389.2	0.0
Nutrient Balance	-581.9	-61.3	-389.2	227.8

Winter Nitrogen Crop App / Use Ratio: 0.01

Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 1L1 Acres: 55

Winter Crop		Alfalfa				
Nutrient Summary :		Applied	N			
W. Manure App.		-	T/Ac	-	-	-
W. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q1	-	Ac In /Ac	-	-	-
	Q2	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	-	-	-
Canal		45.3	Ac In /Ac	0.1	-	-
Atm. Depos.		Yes		7.0	-	-
W. Planting	10/10/18					
W. Harvest	10/1/23	10.0	T/Ac	(582.0)	(140.3)	(467.1)

Summer Crop		Alfalfa				
Nutrient Summary :		Applied	N			
S. Manure App.		-	T/Ac	-	-	-
S. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	-	Ac In /Ac	-	-	-
	Q4	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	0	-	-
Canal		-	Ac In /Ac	-	-	-
Atm. Depos.		#N/A		#N/A	-	-
S. Planting	#N/A					
S. Harvest	#N/A	#N/A	T/Ac	#N/A	#N/A	#N/A

2L4

Acres: 70.00

[illegible]

Field Name/Number: 2L4Acres: 70.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	516.3	62.4	984.9	3054.1
Nutrients Removed at Harvest	-487.1	-35.4	-391.4	0.0
Nutrient Balance	29.2	27.0	593.5	3054.1

Winter Nitrogen Crop App / Use Ratio: 1.06

Summer Nitrogen Crop App / Use Ratio: 1.12

Field Name/Number: 2L4Acres: 70

Winter Crop		Wheat, Silage				
Nutrient Summary :		Applied		N		
W. Manure App.		10.0	T/Ac	62.2	97.1	304.1
W. Comm Fert App.		-	lbs/Ac	-		
Process Water	Q1	1.8	Ac In /Ac	189.0	49.1	142.8
	Q2	-	Ac In /Ac	-	-	-
Well Water		24.1	Ac In /Ac	9.8		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
W. Planting	11/23/22					
W. Harvest	5/19/23	23.4	T/Ac	(252.0)	(105.6)	(355.8)

Summer Crop		Corn, Silage				
Nutrient Summary :		Applied		N		
S. Manure App.		15.0	T/Ac	110.2	164.9	825.1
S. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	5.3	Ac In /Ac	130.7	16.3	151.8
	Q4	-	Ac In /Ac	-	-	-
Well Water		35.1	Ac In /Ac	14.3		
Canal		-	Ac In /Ac	-		
Atm. Depos.		Yes		7.0		
S. Planting	6/28/23					
S. Harvest	10/12/23	26.1	T/Ac	(235.0)	(80.2)	(210.0)

Field Name/Number:	2L5	Acres:	72.00
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Totals:

Field Name/Number: 2L5Acres: 72.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	272.1	37.4	680.8	2502.5
Nutrients Removed at Harvest	-253.7	-21.6	-150.7	0.0
Nutrient Balance	18.4	15.8	530.1	2502.5

Winter Nitrogen Crop App / Use Ratio: #N/A

Summer Nitrogen Crop App / Use Ratio: 1.10

Field Name/Number: 2L5Acres: 72**Winter Crop W. Fallow**

Nutrient Summary :		Applied	N			
W. Manure App.	-	T/Ac	-	-	-	-
W. Comm Fert App.	-	lbs/Ac	-	-	-	-
Process Water	Q1	- Ac In /Ac	-	-	-	-
	Q2	- Ac In /Ac	-	-	-	-
Well Water	-	Ac In /Ac	-	-	-	-
Canal	-	Ac In /Ac	-	-	-	-
Atm. Depos.	Yes		7.0			
W. Planting	#N/A					
W. Harvest	1/1/2000	#N/A T/Ac	#N/A	#N/A	#N/A	#N/A

Summer Crop Corn, Silage

Nutrient Summary :		Applied	N			
S. Manure App.	12.5	T/Ac	91.8	137.4	687.6	
S. Comm Fert App.	-	lbs/Ac	-	-	-	-
Process Water	Q2	5.3 Ac In /Ac	129.6	53.6	247.8	
	Q3	1.7 Ac In /Ac	42.0	5.2	48.7	
	Q4	- Ac In /Ac	-	-	-	-
Well Water	27.5	Ac In /Ac	8.7			
Canal	-	Ac In /Ac	-			
Atm. Depos.	Yes		7.0			
S. Planting	4/10/23					
S. Harvest	8/2/23	31.0 T/Ac	(253.7)	(113.4)	(217.8)	

Field Name/Number: 2L6/2L7

Acres: 100.00

Totals:

Field Name/Number: 2L6/2L7Acres: 100.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	218.9	7.8	148.4	1474.2
Nutrients Removed at Harvest	-258.7	-19.6	-145.7	0.0
Nutrient Balance	-39.8	-11.8	2.7	1474.2

Winter Nitrogen Crop App / Use Ratio: #N/A

Summer Nitrogen Crop App / Use Ratio: 1.22

Field Name/Number: 2L6/2L7Acres: 100**Winter Crop W. Fallow**

Nutrient Summary :		Applied	N			
W. Manure App.		-	T/Ac	-	-	-
W. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q1	-	Ac In /Ac	-	-	-
	Q2	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	-	-	-
Canal		-	Ac In /Ac	-	-	-
Atm. Depos.		Yes		7.0		
W. Planting	#N/A					
W. Harvest	1/1/2000	#N/A	T/Ac	#N/A	#N/A	#N/A

Summer Crop Corn, Silage

Nutrient Summary :		Applied	N			
S. Manure App.		-	T/Ac	-	-	-
S. Comm Fert App.		90.0	lbs/Ac	90.0	-	-
Process Water	Q2	3.5	Ac In /Ac	85.3	35.5	164.0
	Q3	1.8	Ac In /Ac	43.5	5.4	50.5
	Q4	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	90.0		
Canal		28.3	Ac In /Ac	0.1		
Atm. Depos.		Yes		7.0		
S. Planting	4/19/23					
S. Harvest	8/3/23	28.1	T/Ac	(258.7)	(103.0)	(210.6)

Field Name/Number:	3L8	Acres:	70.00
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Totals:

Field Name/Number: 3L8Acres: 70.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	0.1	0.0	0.0	215.6
Nutrients Removed at Harvest	-526.8	-21.3	-372.9	0.0
Nutrient Balance	-526.7	-21.3	-372.9	215.6

Winter Nitrogen Crop App / Use Ratio: 0.01

Summer Nitrogen Crop App / Use Ratio: #N/A

Field Name/Number: 3L8 Acres: 70**Winter Crop Alfalfa**

Nutrient Summary :		Applied	N			
W. Manure App.		-	T/Ac	-	-	-
W. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q1	-	Ac In /Ac	-	-	-
	Q2	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	-	-	-
Canal		42.8	Ac In /Ac	0.1	-	-
Atm. Depos.		Yes		7.0	-	-
W. Planting	1/1/23					
W. Harvest	10/1/23	10.0	T/Ac	(526.8)	(111.5)	(539.0)

Summer Crop Alfalfa

Nutrient Summary :		Applied	N			
S. Manure App.		-	T/Ac	-	-	-
S. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	-	Ac In /Ac	-	-	-
	Q4	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	-	-	-
Canal		-	Ac In /Ac	-	-	-
Atm. Depos.		#N/A		#N/A	-	-
S. Planting	#N/A					
S. Harvest	#N/A	#N/A	T/Ac	#N/A	#N/A	#N/A

Field Name/Number:	3L9	Acres:	55.00
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Totals:	11.8	0	56.16	10.45	100	18	416	3,335	9.56	0	64.56
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Field Name/Number: 3L9Acres: 55.00

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	628.3	55.4	844.1	3335.0
Nutrients Removed at Harvest	-527.8	-47.5	-498.9	0.0
Nutrient Balance	100.5	7.9	345.3	3335.0

Winter Nitrogen Crop App / Use Ratio: 1.23

Summer Nitrogen Crop App / Use Ratio: 1.19

Field Name/Number: 3L9 Acres: 55

Winter Crop		Wheat, Silage				
Nutrient Summary :		Applied	N			
W. Manure App.		-	T/Ac	-	-	-
W. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q1	5.2	Ac In /Ac	412.5	144.6	420.6
	Q2	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	-	-	-
Canal		21.6	Ac In /Ac	0.0	-	-
Atm. Depos.		Yes		7.0	-	-
W. Planting	10/18/22					
W. Harvest	5/8/23	30.1	T/Ac	(341.2)	(148.2)	(341.2)

Summer Crop		Corn, Silage				
Nutrient Summary :		Applied	N			
S. Manure App.		11.8	T/Ac	86.8	129.9	650.1
S. Comm Fert App.		-	lbs/Ac	-	-	-
Process Water	Q2	-	Ac In /Ac	-	-	-
	Q3	5.2	Ac In /Ac	128.8	16.0	149.6
	Q4	-	Ac In /Ac	-	-	-
Well Water		-	Ac In /Ac	-	-	-
Canal		34.5	Ac In /Ac	0.1	-	-
Atm. Depos.		Yes		7.0	-	-
S. Planting	6/9/23					
S. Harvest	9/23/23	34.5	T/Ac	(186.6)	(100.8)	(380.0)

Exception Reporting

Manure , Process Water and Other Dairy Waste Discharges:

The following is a summary of all manure and process water 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 water discharges occurred during the reporting period

Storm Water Discharges:

The follow 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, storm water discharges occurred during the reporting period

Land Application Area To Surface Water Discharges:

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

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

Nutrient Management Plan (NMP) & Written Agreement Statement

Nutrient Management Plan Statement:

Was the facility NMP updated in the reporting period?

No

Was the facility's NMP developed and approved by a certified nutrient management specialist?

No

Written Agreements:

Are there any written agreements with third parties to receive manure or process water that are new or were revised within the reporting period?

No

Notes

Without allowance for the significant amount of rainfall during the winter months of 2022/2023, the irrigation logs on each field page of the annual report, reflect canal and/or well used only during that time frame. The facility did not irrigate during the "Significant Storm Events".

It is inaccurate to present "salt" application without acknowledging that there is substantial uptake and utilization of "salts" by crops. If it is possible to calculate "salt" application, it is also possible to calculate "salt" utilization. That calculation should be included in this report. To calculate "salt" utilization is a lengthy process and cannot be done with the constituents required in the Revised General Order sampling requirements.

The signature(s) affixed to this report does not affirmatively refer to those references to "salt" that we know to be incorrect.


(Initial)

Owner and/or Operator Certification

**I certify under penalty of law that all information submitted as part of this document is accurate and true. Certification signatures by a California Registered Professional have been supplied as needed in Part II. I have personally examined and am familiar with the information submitted in Parts I and II of 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


Signature of Operator of Facility

Fernandes Brothers
Print Name

Legacy Ranches #1
Print Name

4/12/24
Date

4/12/24
Date



Facility Name:

Legacy Ranches #1
119414 Rd. 80, Tipton
Tulare County

2023

Sample Collection Equipment:
Bottle Container

Sample Container: (Circle one)
Bottle Container: 8 fl oz 16 fl oz 32 fl oz

Sample Collection Location: (Circle one)

Discharge Pipe Spigot/Faucet

Sample Collection Method: (Circle one) * All Samples are labeled with the facility name, date, contents, location and description ** Please see the Sample and Anylsis Plan for more detailed descriptions.

Well: Sample taken at the Discharge Pipe, Spigot or Faucet using a sample container provided by laboratory

Sample Type:

Sample Preservation Method:

(Circle one)

Ice Chest

Refrigerator

Ice Pack



March 9, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Lab No. : VI 2340870

Customer No. : 4018505

Laboratory Report

Introduction: This report package contains a total of 6 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: Results for each sample submitted.
Quality Control	(2 pages)	: 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
Domestic	02/10/2023	02/10/2023	VI 2340870-001	DW
1 / Dom	02/10/2023	02/10/2023	VI 2340870-002	DW
H Dom	02/10/2023	02/10/2023	VI 2340870-003	DW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were 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

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
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: 2023-03-09

Section: Case Narrative

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Page 1 of 6

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

March 9, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : Domestic
 Project : W-6 Legacy #1

Lab No. : VI 2340870-001
 Customer No. : 4018505

Sampled On : February 10, 2023 at 09:05
 Sampled By : KC / MF
 Received On : February 10, 2023 at 10:39
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	02/23/2023	09:54	sta	EPA 351.2	02/26/2023	22:04	lcr
Nitrate Nitrogen	15.3	0.4	mg/L	10	1		02/22/2023	11:45	lfs	SM 4500-NO3 F	02/22/2023	13:12	lfs
Nitrogen, Total as Nitrogen	19.3	0.5	mg/L		1		02/23/2023	09:54	sta	EPA 351.2	02/26/2023	22:04	lcr
Nitrate + Nitrite as N	19.3	0.4	mg/L	10	1		02/22/2023	11:45	lfs	SM 4500-NO3 F	02/22/2023	13:12	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	02/23/2023	09:54	sta	EPA 351.2	02/26/2023	22:04	lcr
Conductivity	792	1	umhos/cm	1600 ²	1		02/21/2023	14:01	sta		02/21/2023	14:01	sta
Solids, Total Dissolved (TDS)	500	20	mg/L	1000 ²	1		02/14/2023	12:50	ctl	SM 2540 C	02/15/2023	12:35	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

March 9, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : 1 / Dom
 Project : W-6 Legacy #1

Lab No. : VI 2340870-002
 Customer No. : 4018505

Sampled On : February 10, 2023 at 09:15
 Sampled By : KC / MF
 Received On : February 10, 2023 at 10:39
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	02/23/2023	09:54	sta	EPA 351.2	02/26/2023	22:06	lcr
Nitrate Nitrogen	17.8	0.4	mg/L	10	1		02/22/2023	11:45	lfs	SM 4500-NO3 F	02/22/2023	12:45	lfs
Nitrogen, Total as Nitrogen	20.5	0.5	mg/L		1		02/23/2023	09:54	sta	EPA 351.2	02/26/2023	22:06	lcr
Nitrate + Nitrite as N	20.5	0.4	mg/L	10	1		02/22/2023	11:45	lfs	SM 4500-NO3 F	02/22/2023	12:45	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	02/23/2023	09:54	sta	EPA 351.2	02/26/2023	22:06	lcr
Conductivity	770	1	umhos/cm	1600 ²	1		03/01/2023	17:08	amm	SM 4500-H+B	03/01/2023	20:42	sta
Solids, Total Dissolved (TDS)	510	20	mg/L	1000 ²	1		02/15/2023	11:45	ctl	SM 2540 C	02/16/2023	12:21	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

March 9, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Description : H Dom
 Project : W-6 Legacy #1

Lab No. : VI 2340870-003

Customer No. : 4018505

Sampled On : February 10, 2023 at 09:18

Sampled By : KC / MF

Received On : February 10, 2023 at 10:39

Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	02/24/2023	11:30	sta	EPA 351.2	03/01/2023	18:05	lcr
Nitrate Nitrogen	14.1	0.4	mg/L	10	1		02/22/2023	13:10	lfs	SM 4500-NO3 F	02/22/2023	13:34	lfs
Nitrogen, Total as Nitrogen	14.1	0.5	mg/L		1		02/24/2023	11:30	sta	EPA 351.2	03/01/2023	18:05	lcr
Nitrate + Nitrite as N	14.1	0.4	mg/L	10	1		02/22/2023	13:10	lfs	SM 4500-NO3 F	02/22/2023	13:34	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	02/24/2023	11:30	sta	EPA 351.2	03/01/2023	18:05	lcr
Conductivity	769	1	umhos/cm	1600 ²	1		02/21/2023	14:01	sta		02/21/2023	14:01	sta
Solids, Total Dissolved (TDS)	520	20	mg/L	1000 ²	1		02/14/2023	15:27	ctl	SM 2540 C	02/15/2023	12:26	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

March 9, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2340870

Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2341105-003)	Dup	umhos/cm		0.3%	5	
	2510B	02/21/2023:201893STA	Blank	umhos/cm		ND	<1	
		(VI 2340956-001)	Dup	umhos/cm		0.6%	5	
		(VI 2341015-002)	Blank	umhos/cm		ND	<1	
			Dup	umhos/cm		0.4%	5	
Solids, Total Dissolved	2540CE	02/14/2023:201630CTL	Blank	mg/L		ND	<20	
		(VI 2340882-003)	LCS	mg/L	990.8	98.4 %	90-110	
		(VI 2340882-003)	Dup	mg/L		1.4%	5	
			Dup	mg/L		4.5%	5	
			Blank	mg/L		ND	<20	
	2540CE	(STK2331874-006)	LCS	mg/L	990.8	101 %	90-110	
		(STK2331874-006)	Dup	mg/L		1.4%	5	
			Dup	mg/L		0.1%	5	
		02/15/2023:201693CTL	Blank	mg/L		ND	<20	
		(VI 2340896-001)	LCS	mg/L	990.8	102 %	90-110	
Nitrogen, Total Kjeldahl	351.2	(VI 2340896-001)	Dup	mg/L		0.4%	5	
		(VI 2340896-001)	Dup	mg/L		0.7%	5	
		02/23/2023:201997STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	96.9%	73-124	
			MS	mg/L	12.00	91.7%	54-136	
	(STK2331941-001)		MSD	mg/L	12.00	82.6%	54-136	
			MSRPD	mg/L	12.00	10.3%	≤27	
			MS	mg/L	12.00	86.7%	54-136	
		(SP 2302092-008)	MSD	mg/L	12.00	95.3%	54-136	
			MSRPD	mg/L	12.00	9.5%	≤27	
	351.2	02/24/2023:202049STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	91.2%	73-124	
			MS	mg/L	12.00	84.9%	54-136	
		(VI 2340880-001)	MSD	mg/L	12.00	83.6%	54-136	
			MSRPD	mg/L	12.00	1.5%	≤27	
Nitrate + Nitrite as N	4500NO3F	(VI 2340880-002)	MS	mg/L	12.00	88.2%	54-136	
			MSD	mg/L	12.00	89.0%	54-136	
			MSRPD	mg/L	12.00	0.8%	≤27	
		02/22/2023:201947LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	98.3%	80-120	
	(SP 2302530-001)		MS	mg/L	5.609	97.3%	66-125	
			MSD	mg/L	5.609	99.4%	66-125	
			MSRPD	mg/L	5.609	1.8%	≤30.4	
			Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	99.4%	80-120	
Nitrate Nitrogen	4500NO3F	(SP 2302575-001)	MS	mg/L	5.609	94.3%	66-125	
			MSD	mg/L	5.609	97.2%	66-125	
			MSRPD	mg/L	5.609	2.7%	≤30.4	
		02/22/2023:201947LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	98.3%	80-120	
			MS	mg/L	5.609	97.3%	66-125	

March 9, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2340870

Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
		(SP 2302530-001)	MSD	mg/L	5.609	99.4%	66-125	
			MSRPD	mg/L	5.609	1.8%	≤30.4	
			Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	99.4%	80-120	
			MS	mg/L	5.609	94.3%	66-125	
		(SP 2302575-001)	MSD	mg/L	5.609	97.2%	66-125	
			MSRPD	mg/L	5.609	2.7%	≤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.



Client: Livingston Dairy Consulting, Inc. Address: Livingston Dairy Consulting, Inc 1635 E. Prosperity Suite B Tulare, CA 93274		Phone: (559)687-1440 Fax:		Contact Person: Noreen Livingston		Project Name: W-6 Legacy #1		Purchase Order Number:		Quote Number: VI 20210208-01		Sampler(s): MF/KC	
Sampling Fee: _____ Pickup Fee: _____		Compositor Setup Date: ____/____/____ Time: ____/____/____		Lab Number: VI 2340870		4-18505							
Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL)	Other(O) Special(SPL)	Dairy Analysis-W-6-Conductivity, NO3-N, Total N, TDS	Dairy Analysis-W-6 - Total N - Split Bottle	8oz(P)-H2SO4	***VI Lab to Split for Total N***
1	Domestic	2/10/23	9:05	G	DW P					1	1		
2	11 Dom	2/10/23	9:15	G	DW P					1	1		
3	H Dom	2/10/23	9:18	G	DW P					1	1		
4				G						1	1		
5				G						1	1		
6				G						1	1		
7				G						1	1		
8				G						1	1		
9				G						1	1		
10				G						1	1		

Remarks:

Relinquished: *Hand Del* Date: 2/10/23 Time: 1031
Received By: *MR* Date: 2-10-23 Time: 1031
Relinquished: *MR* Date: 2/10/23 Time: 1031
Received By: *CLS* Date: 2/11/23 Time: 1210

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
Phone: (805) 392-2000
Env Fax: (805) 525-4172 / Ag Fax: (805) 392-2063

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
Phone: (209) 942-0182
Fax: (209) 942-0423

Office & Laboratory
563 E. Lindo
Chico, CA 95926
Phone: (530) 343-5818
Fax: (530) 343-3807

Office & Laboratory
3442 Empressa Drive, Suite
San Luis Obispo, CA 93401
Phone: (805) 783-2940
Fax: (805) 783-2912

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

Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

1. Number of ice chests/packages received: 1 Shipping tracking # 07C

2. Were samples received in a chilled condition? Temps: 6.08 201 / / /
Surface water SWTR bact samples: A sample that has a temperature upon receipt of $>10^{\circ}\text{C}$, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

- | | | | |
|---|------------|----|------------|
| 3. Do the number of bottles received agree with the COC? | <u>Yes</u> | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <u>Yes</u> | No | |
| 5. VOAs checked for Headspace? | Yes | No | <u>N/A</u> |
| 6. Were sample custody seals intact? | Yes | No | <u>N/A</u> |
| 7. If required, was sample split for pH analysis? | Yes | No | <u>N/A</u> |
| 8. Were all analyses within holding times at time of receipt? | <u>Yes</u> | No | |
| 9. Verify sample date, time and sampler name | <u>Yes</u> | 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): mmr

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 2c / / / /
Acceptable is above freezing to 6°C . If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 558796176 154
195

- | | | | |
|---|------------|----|------------|
| 3. Do the number of bottles received agree with the COC? | <u>Yes</u> | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <u>Yes</u> | No | |
| 5. Were sample custody seals intact? | Yes | No | <u>N/A</u> |

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? | <u>Yes</u> | No | |
| 2. Did bottle labels correspond with the client's ID's? | <u>Yes</u> | No | |
| 3. Were all bottles requiring sample preservation properly preserved?
[Exception: Oil & Grease, VOA and CrVI verified in lab] | <u>Yes</u> | No | N/A FGL |
| 4. VOAs checked for Headspace? | Yes | No | <u>N/A</u> |
| 5. Have rush or project due dates been checked and accepted? | Yes | No | <u>N/A</u> |
| 6. Were all analyses within holding times at time of receipt? | <u>Yes</u> | No | |

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

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

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: _____
Problem: _____
Resolution: _____

(Please use the back of this sheet for additional co contacts)

(4018505)
Livingston Dairy Consulting, Inc.

VI 2340870

iv 02/13/2023 10:03:17



VI 2340870

Legacy Kanes #1

July 28, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Lab No. : VI 2344103
Customer No. : 4018505

Laboratory Report

Introduction: This report package contains a total of 4 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: 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
Well #3	07/06/2023	07/06/2023	VI 2344103-001	AGW
Well #4	07/06/2023	07/06/2023	VI 2344103-002	AGW

Sampling and Receipt Information:

All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples were 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

EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
SM 2540 C	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
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: EHB

Approved By **Kelly A. Dunnahoo, B.S.**


 Digitally signed by Kelly A. Dunnahoo, B.S.
 Title: Laboratory Director
 Date: 2023-07-31

July 28, 2023

Livingston Dairy Consulting, Inc
 1635 E. Prosperity Suite B
 Tulare, CA 93274

Lab No. : VI 2344103-001
 Customer No.: 4018505

Sampled On : July 6, 2023 at 09:25
 Sampled By : Marlene Ferreira
 Received On : July 6, 2023 at 10:55
 Matrix : Ag Water

Description : Well #3
 Project : W-6 Legacy Ranches #1

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/20/2023	11:04	sta	EPA 351.2	07/24/2023	22:01	lcr
Nitrate Nitrogen	1.8	0.4	mg/L		1		07/07/2023	16:00	lfs	SM 4500-NO3 F	07/07/2023	18:39	lfs
Nitrogen, Total as Nitrogen	1.8	0.5	mg/L		1		07/20/2023	11:04	sta	Calc.	07/24/2023	22:01	lcr
Nitrate + Nitrite as N	1.8	0.4	mg/L		1		07/07/2023	16:00	lfs	SM 4500-NO3 F	07/07/2023	18:39	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/20/2023	11:04	sta	EPA 351.2	07/24/2023	22:01	lcr
Conductivity	262	1	umhos/cm		1		07/12/2023	14:47	amm	SM 4500-H+B	07/12/2023	18:01	amm
Solids, Total Dissolved (TDS)	150	20	mg/L		1		07/10/2023	15:00	ctl	SM 2540 C	07/11/2023	11:00	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

July 28, 2023

Livingston Dairy Consulting, Inc
1635 E. Prosperity Suite B
Tulare, CA 93274

Lab No. : VI 2344103-002
Customer No. : 4018505

Sampled On : July 6, 2023 at 09:32
Sampled By : Marlene Ferreira
Received On : July 6, 2023 at 10:55
Matrix : Ag Water

Description : Well #4
Project : W-6 Legacy Ranches #1

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Dairy Analysis													
							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	ND	0.5	mg/L		1	U	07/20/2023	11:04	sta	EPA 351.2	07/24/2023	22:03	lcr
Nitrate Nitrogen	1.4	0.4	mg/L		1		07/07/2023	16:00	lfs	SM 4500-NO3 F	07/07/2023	18:41	lfs
Nitrogen, Total as Nitrogen	1.4	0.5	mg/L		1		07/20/2023	11:04	sta	Calc.	07/24/2023	22:03	lcr
Nitrate + Nitrite as N	1.4	0.4	mg/L		1		07/07/2023	16:00	lfs	SM 4500-NO3 F	07/07/2023	18:41	lfs
Kjeldahl Nitrogen	ND	0.5	mg/L		1	U	07/20/2023	11:04	sta	EPA 351.2	07/24/2023	22:03	lcr
Conductivity	312	1	umhos/cm		1		07/12/2023	14:47	amm	SM 4500-H+B	07/12/2023	17:46	amm
Solids, Total Dissolved (TDS)	190	20	mg/L		1		07/10/2023	15:00	ctl	SM 2540 C	07/11/2023	11:00	ctl

DQF Flags Definition:

U Constituent results were non-detect.

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

July 28, 2023
 Livingston Dairy Consulting, Inc.

Lab No. : VI 2344103
 Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
E. C.	2320B	(VI 2344100-003)	Dup	umhos/cm		0.3%	5	
		(VI 2344111-007)	Dup	umhos/cm		0.6%	5	
Solids, Total Dissolved	2540CE	07/10/2023:207515CTL	Blank	mg/L		ND	<20	
			LCS	mg/L	993.7	98.0%	90-110	
			(VI 2344111-009)	Dup	mg/L	0.8%	5	
			(VI 2344111-009)	Dup	mg/L	0.8%	5	
Nitrogen, Total Kjeldahl	351.2	07/20/2023:207947STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	101%	73-124	
			MS	mg/L	12.00	88.3%	54-136	
			(SP 2311517-001)	MSD	mg/L	91.9%	54-136	
			MSRPD	mg/L		3.8%	≤27	
			MS	mg/L	12.00	90.2%	54-136	
			(SP 2311518-001)	MSD	mg/L	92.0%	54-136	
			MSRPD	mg/L		1.9%	≤27	
Nitrate + Nitrite as N	4500NO3F	07/07/2023:207444LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	93.9%	80-120	
			MS	mg/L	5.609	84.3%	66-125	
			(VI 2344132-002)	MSD	mg/L	90.6%	66-125	
			MSRPD	mg/L		4.1%	≤30.4	
Nitrate Nitrogen	4500NO3F	07/07/2023:207444LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	93.9%	80-120	
			MS	mg/L	5.609	84.3%	66-125	
			(VI 2344132-002)	MSD	mg/L	90.6%	66-125	
			MSRPD	mg/L		4.1%	≤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.

Special



TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information																																																																																																						
42086:04/01/2023																																																																																																						
Client: Livingston Dairy Consulting, Inc. Address: Livingston Dairy Consulting, Inc 1635 E. Prosperity Suite B Tulare, CA 93274 Phone: (559)687-1440 Fax: Contact Person: Noreen Livingston Project Name: <u>W-6 Legacy Ranches #1</u> Purchase Order Number: Quote Number: <u>VI 20210208-01</u> Sampler(s) <u>Harlene</u>																																																																																																						
Sampling Fee: _____ Pickup Fee: _____ Compositor Setup Date: ____/____/____ Time: ____/____/____																																																																																																						
Lab Number: <u>VI 2344103</u> 4-18505																																																																																																						
Samp Num	Location Description	Date Sampled	Time Sampled																																																																																																			
1	Well #3	7/6	9:25AM																																																																																																			
2	Well #4	7/6	9:30AM																																																																																																			
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Remarks:

Corporate Offices & Laboratory 853 Corporation Street Santa Paula, CA 93060 Phone: (805) 392-2000 Env Fax: (805) 525-4172 / Aq Fax: (805) 392-2063	P-1 8-4	Office & Laboratory 2500 Stagecoach Road Stockton, CA 95215 Phone: (209) 942-0182 Fax: (209) 942-0423	Office & Laboratory 563 E. Lindo Chico, CA 95926 Phone: (530) 343-5818 Fax: (530) 343-3807	Office & Laboratory 3442 Empressa Drive, Suite D San Luis Obispo, CA 93401 Phone: (805) 783-2940 Fax: (805) 783-2912	Office & Laboratory 9415 W. Goshen Avenue Visalia, CA 93291 Phone: (559) 734-9473 Fax: (559) 734-8435
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Inter-Laboratory Condition Upon Receipt (Attach to COC)

Sample Receipt at: STK CC

CH VI

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

2. Were samples received in a chilled condition? Temps: 20.1 / 8.6 / / /
Surface water SWTR bact samples: A sample that has a temperature upon receipt of $>10^{\circ}\text{C}$, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

- | | | | |
|---|------------|----|------------|
| 3. Do the number of bottles received agree with the COC? | <u>Yes</u> | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <u>Yes</u> | No | |
| 5. VOAs checked for Headspace? | Yes | No | <u>N/A</u> |
| 6. Were sample custody seals intact? | Yes | No | <u>N/A</u> |
| 7. If required, was sample split for pH analysis? | Yes | No | <u>N/A</u> |
| 8. Were all analyses within holding times at time of receipt? | <u>Yes</u> | No | |
| 9. Verify sample date, time and sampler name | <u>Yes</u> | 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): SRO

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 3.0 / / / /
Acceptable is above freezing to 6°C . If many packages are received at one time check for tests/H.T.'s/rushes/
2. Shipping tracking numbers: 559719161 181
165 174

- | | | | |
|---|------------|----|------------|
| 3. Do the number of bottles received agree with the COC? | <u>Yes</u> | No | N/A |
| 4. Were samples received intact? (i.e. no broken bottles, leaks etc.) | <u>Yes</u> | No | |
| 5. Were sample custody seals intact? | Yes | No | <u>N/A</u> |
- 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? | <u>Yes</u> | No | |
| 2. Did bottle labels correspond with the client's ID's? | <u>Yes</u> | No | |
| 3. Were all bottles requiring sample preservation properly preserved?
<small>[Exception: Oil & Grease, VOA and CrVI verified in lab]</small> | <u>Yes</u> | No | <u>N/A</u> ^{KDC} FGL |
| 4. VOAs checked for Headspace? | Yes | No | <u>N/A</u> |
| 5. Have rush or project due dates been checked and accepted? | Yes | No | <u>N/A</u> |
| 6. Were all analyses within holding times at time of receipt? | <u>Yes</u> | No | |

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

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

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: _____
Initiated By: _____
Problem: _____
Resolution: _____

(Please use the back of this sheet for additional con-
contacts)

(4018505)
Livingston Dairy Consulting, Inc.
VI 2344103

iv 07/07/2023 10:15:51



VI 2344103

2023 Canal Results

558TRA144 - Tule River at Road 144

Constituent	Field/Lab	WQTL	MDL	PQL	Units	Oct-22	Nov-22	Dec-22	1/17/23	2/13/23	March-23	4/17/23	5/15/23	6/19/23	7/18/23
Flow	Field				cfs	0	0	0	220	280	Due to Record Flood Conditions, No Surface Water Analysis in March 2023				
EC	BSK	700			umhos/cm				151.2	115.3					
pH	BSK	6.5-8.3			pH				7.59	6.5					
Temperature	BSK				Celsius				10	11.3					
Dissolved Oxygen	BSK	Min. 7.0			mg/L				10.87	12.7					
TDS	BSK	450	4.4	10	mg/L				30	50					
Turbidity	BSK			0.1	NTU				56	15					
Nitrate + Nitrite as N	BSK	10	0.028	0.2	mg/L				1.3	0.24					
Orthophosphate-P	BSK		0.0051	0.6	mg/L				1.9	0.019					
Ammonia-N	BSK	1.5	0.05	0.5	mg/L				ND	ND					
Unionized Ammonia	BSK				mg/L				ND	ND					
TKN	BSK		0.267	0.5	mg/L				0.17	0.43					
Phosphorus	BSK		8.1	50	ug/L				1.8	0.044					
Arsenic	BSK	10	0.041	0.2	ug/L				2.2	1.7					
Boron	BSK	700	4.5	10	ug/L				30	23					
Cadmium	BSK	5	0.025	0.2	ug/L				ND	ND					
Copper	BSK	1300	0.36	0.5	ug/L				3.3	5					
Lead	BSK	15	0.034	0.2	ug/L				1.4	0.63					
Nickel	BSK	100	0.2	0.5	ug/L				1.5	0.79					
Selenium	BSK	50	0.29	1	ug/L				1.1	0.33					
Zinc	BSK		0.68	20	ug/L				7.1	3.9					
Molybdenum	BSK	10	0.15	0.5	ug/L				1.5	1.2					
Hardness	BSK		1	1	mg/L				58	22					
TSS	BSK		na	10	mg/L				30	32					
TOC	BSK		0.085	0.5	mg/L				3.1	3.2					
E. coli	BSK	235		1.1	MPN				130	4.5					
Fecal Coliform	BSK	400		1.1	MPN				130	4.5					
Toxicity, minnow	ABC				96h				100	100					
Toxicity, water flea	ABC				48h				100	100					
Toxicity, algae	ABC				48h				100	100					
2,4-D Acids & Salts	BSK														

Livingston Dairy Consulting, Inc.

1635 E. Prosperity Ave. Ste. B

Tulare, CA 93274

559-687-1440

Monday, May 13, 2024

Re: 2023 NMP

Legacy Ranches #1 WDID 5C54NC00169

11981 Road 80 Tipton, CA 93272

Enclosed is the 2023/2024 Nutrient Budget for your facility to comply with the California Regional Water Quality Control Board General Order No. R5-2007-0035.

*2023 Whole Farm Nitrogen Balance

The whole farm nitrogen balance for the crop year 2022 was **0.43**
Nitrogen Summary will show the balances for each field and for the whole farm.

*Ranges for the Whole Farm Nitrogen Balance

<u>Factor</u>	<u>Status</u>	<u>Evaluation</u>
> 1.65	Excessive	Too much nitrogen applied
1.4 - 1.65	Slightly High	Nitrogen is satisfactory to slightly high
0.9 - 1.4	Normal	Normal to slightly low
< 0.9	Low	Low nitrogen status, additional nitrogen needed

*Nutrient Management Plan/ Nutrient Budget Certification

This Nutrient Budget was prepared by a Certified Crop Advisor as required by the California Regional Water Quality Control Board.



Butch Brazil

Certified Crop Advisor #35629

This Nutrient Management Plan / Nutrient Budget is based on samples collected and analyzed by a third party laboratory. This Certified Crop Advisor was not involved in oversight of outside laboratory sample collection, transportation, or analyses. Interpretation of the data is based on submitted information. Where data was incomplete, book values and / or historical data was used. The third party laboratory or Certified Crop Advisor was not involved with the agronomic growth of the crops and the Nutrient Budget is based on information provided by the owner.

