



Livingston Dairy Consulting, Inc.

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

Midnight Farms

9200 19 1/2 Avenue Lemoore, CA 93245

Annual Report

Water Analysis Samples

Manure Manifest

Facility / Land Map

CCA Nitrogen Retrofit Report



GEO Tracker Confirmation #

Date:

Facility Info

Reporting Period: 1/1/2023 to 8/1/2023

Name of the Facility

Dairy Name: Midnight Farms
Facility Address: 9200 19 1/2 Avenue Lemoore, CA 93245
Original Operation Date: 6/3/1983
Facility APN's: x004 x281 x056 xxxx, x004 x281 x057 x000
RWQCB Basin Plan Designation: Tulare Lake Basin

Owner(s)

Owner(s) Name: Luis Avila
Mailing Address: 9240 19 1/2 Avenue Lemoore, CA 93245
Home Phone Number: 559-924-2181
Cell Phone Number: 559-469-6630

Check if any information has changed

Operator(s)

Operator(s) Name: Same as owner
Mailing Address: _____
Home Phone Number: _____
Cell Phone Number: X

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:	-	-	621	-	-
Number Under Roof	-	-	-	-	-
Maximum Number			621		
Average Number			621		
Average Live Weight (lbs)			950		

Average Milk Production:

Predominant Milk Cow Breed: Holstein

Manure Generated:

Total manure excreted by the herd:	2,369.78	@ 40% Moisture	ton/yr
Total nitrogen from manure:	93,061	lbs	
	15,328	lbs	
	37,042	lbs	
Total salt from manure:	-	lbs	

Process Wastewater Generated:

Process wastewater generated:	-	gal
Total nitrogen generated:	-	lbs
Total salt (TDS) generated:	-	lbs

After Ammonia (30% loss applied)
65,143 lbs per reporting period

List of Land Application Areas

List of Fresh Water Sources

Source Description	Type	Subsurface (Tile) Drainage Sources
Dom 1	Ground Water	No
Dom 2	Ground Water	No
Dom 3	Ground Water	No

**PLANT TISSUE ANALYSIS (Recorded As Received)
(WINTER)**

(SUMMER) PLANT TISSUE ANALYSIS (Recorded As Received)

Detectable Limits
Valley Tech
Dellavalley

Winter Crops & Harvest

Field:	Crop	Plant Date	Harvest Date	Lab #	Moisture %	N (mg/kg)	P (mg/kg)	K (mg/kg)	Salt (mg/kg)	TFS	Reporting Basis
Field 1	W. Fallow			Always Fallow	-	-	-	-	-	-	-

*Detectable L Valley Tech
Dellavalle*

Detectable Valley Tech
Debtavalle

Well / Canal Analysis

Soil Analysis (Winter)

Detectable Limits

Valian Tach

0 1

11.1 0.2 0.0015 0.0001%

Soil Analysis (Summer)

Detectable Limits
Valley Tech
DellaValle

Nutrient Import & Export

Nutrient Export-Did you sell, give away or otherwise remove slurry, process water or dry manure from your property?

20

Yes, Manifest attached (Attachment D)

Nutrient Import

No Dry manure nutrient imports entered

Process wastewater nutrient imports entered
 Commercial or other nutrient imports entered

Total Dry Manure Exported 1,527

Total Process Water Exported _____

Process Water & Manure Analysis

Process Water		NH4N (mg/L)	TKN (mg/L)	TP (mg/L)	TK (mg/L)	NO3N (mg/L)	NH3N (mg/L)	Ca (mg/L)	HCO3 (mg/L)	SO4 (mg/L)	TDS (mg/L)
Quarters:											
1	-	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	-	-	

Detectable Limits

Valley Tech	2.0	5.0	0.1	0.2	0.01	0.05	0.4	0.10	0.9	3	0.01	0.03	0.10	10
Dellavalle	0.2	0.7	0.02	0.2	0.01	0.05	0.4	0.10	0.9	3	0.01	0.03	0.001	10

Qtr	Sample #:	Sample Date:	Source	Inorg N	Crit N	P2O5	K2O
1	No Water			-	-	-	-
2	No Water			-	-	-	-
3	No Water			-	-	-	-
4	No Water			-	-	-	-

Description	Sample #:	Date:	As Is/Dry Weight	Source	Material Type
Manure	5-11M49496	5/11/2023	Dry Weight	Valley Tech	Corral Solids
Manure	Didn't Take		Dry Weight	-	Corral Solids

Dry Manure: (As Rec'd)	TN %	TP %	TK %	Ca	Mg	Na	S	Cl	Salt	TFS	Moisture %
Corral	1.18	0.65	1.56	-	-	-	-	-	-	-	23.00
Corral	-	-	-	-	-	-	-	-	-	-	-

Detectable Limits

Valley Tech	0.01%	0.02%	0.02%	0.001%	0.001%	0.001%	0.000%	0.000%	0.001%	0.001%
Dellavalle	0.01%	0.01%	0.0033%	0.001%	0.001%	0.001%	0.000%	0.000%	0.001%	0.001%

Nutrient Applications

Field Name/Number:

Field 1

Acres:

23.00

Dry Weight
As Received

Field Name/Number:

Field 1

Acres: 23

	Total N (lbs/ac)	Total P (lbs/ac)	Total K Lbs/ac)	Total Salts (lbs/ac)
Nutrients Applied	0.0	0.0	0.0	0.0
Nutrients Removed at Harvest	0.0	0.0	0.0	0.0
Nutrient Balance	0.0	0.0	0.0	0.0

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

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

Field Name/Number:

Field 1

Acres: 23

Winter Crop Nutrient Summary :	W. Fallow	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 Nutrient Summary :	S. Fallow	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.	Yes		7.0
S. Planting	#N/A		
S. Harvest	-	#N/A T/Ac	#N/A #N/A #N/A

Notes

2nd quarter manure not taken due to no cows being on site after August 1st.

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.

L A _____
(Initial)

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 _____

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

Luis Avila

Print Name

5-17-22

Date



Signature of Operator of Facility

Same as owner

Print Name

5-17-24

Date



Livingston Dairy Consulting, Inc.

FIELD ACTIVITY REPORT

Facility Name: Midnight Farms

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

Sample Collection Method: (Circle one) *All Samples are labeled with the facility name, date, contents, location and description ** Please see the Sample and Analysis 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

June 27, 2023

Lab No. : VI 2343453
Customer No. : 4018505

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

Laboratory Report

Introduction: This report package contains a total of 7 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 | (3 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
Dom #1	06/02/2023	06/02/2023	VI 2343453-001	DW
Dom #2	06/02/2023	06/02/2023	VI 2343453-002	DW
Dom #3	06/02/2023	06/02/2023	VI 2343453-003	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 200.7	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 300.0	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: 2023-06-27

Section: Case Narrative

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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. Lido 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

June 27, 2023

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

Description : Dom #1
 Project : W-4 Midnight Farms

Lab No. : VI 2343453-001

Customer No. : 4018505

Sampled On : June 2, 2023 at 08:55

Sampled By : Marlene Ferreira

Received On : June 2, 2023 at 11:52

Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Alkalinity (as CaCO ₃)	230	10	mg/L		1	I	06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	22:48	amm
Bicarbonate	100	10	mg/L		1	I	06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	22:48	amm
Carbonate	90	10	mg/L		1		06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	22:48	amm
Hydroxide	90	10	mg/L		1		06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	22:48	amm
Chloride	7	1	mg/L	500 ²	1		06/05/2023	13:10	ldm	EPA 300.0	06/06/2023	00:22	ldm
Nitrate Nitrogen	ND	0.4	mg/L	10	1	U	06/13/2023	10:00	lfs	SM 4500-NO3 F	06/13/2023	13:48	lfs
Conductivity	508	1	umhos/cm	1600 ²	1		06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	22:48	amm
Sulfate	7.9	0.5	mg/L	500 ²	1		06/05/2023	13:10	ldm	EPA 300.0	06/06/2023	00:22	ldm
Solids, Total Dissolved (TDS)	320	20	mg/L	1000 ²	1		06/05/2023	16:00	ctl	SM 2540 C	06/06/2023	11:15	ctl
Calcium	4	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	13:42	ac
Magnesium	1	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	13:42	ac
Sodium	105	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	13:42	ac

DQF Flags Definition:

- I The RPD for the laboratory duplicate exceeded laboratory criteria.
- 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.

June 27, 2023

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

Lab No. : VI 2343453-002
Customer No.: 4018505

Sampled On : June 2, 2023 at 08:59
Sampled By : Marlene Ferreira
Received On : June 2, 2023 at 11:52
Matrix : Drinking Water

Description : Dom #2
Project : W-4 Midnight Farms

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Alkalinity (as CaCO ₃)	240	10	mg/L		1	I	06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	23:00	amm
Bicarbonate	300	10	mg/L		1	I	06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	23:00	amm
Carbonate	ND	10	mg/L		1	U	06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	23:00	amm
Hydroxide	ND	10	mg/L		1	U	06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	23:00	amm
Chloride	7	1	mg/L	500 ²	1		06/05/2023	13:10	ldm	EPA 300.0	06/06/2023	00:42	ldm
Nitrate Nitrogen	ND	0.4	mg/L	10	1	U	06/13/2023	10:00	lfs	SM 4500-NO3 F	06/13/2023	13:51	lfs
Conductivity	497	1	umhos/cm	1600 ²	1		06/06/2023	19:10	amm	SM 4500-H+B	06/06/2023	23:00	amm
Sulfate	7.6	0.5	mg/L	500 ²	1		06/05/2023	13:10	ldm	EPA 300.0	06/06/2023	00:42	ldm
Solids, Total Dissolved (TDS)	300	20	mg/L	1000 ²	1		06/05/2023	16:00	ctl	SM 2540 C	06/06/2023	11:15	ctl
Calcium	5	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	13:49	ac
Magnesium	2	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	13:49	ac
Sodium	108	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	13:49	ac

DQF Flags Definition:

I The RPD for the laboratory duplicate exceeded laboratory criteria.
U Constituent results were non-detect.

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Section: Sample Results

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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

June 27, 2023

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

Description : Dom #3
 Project : W-4 Midnight Farms

Lab No. : VI 2343453-003

Customer No.: 4018505

Sampled On : June 2, 2023 at 09:04
 Sampled By : Marlene Ferreira
 Received On : June 2, 2023 at 11:52
 Matrix : Drinking Water

Sample Results - Inorganic

Constituent	Result	RL	Units	MCL/AL	Dil.	DQF	Sample Preparation			Sample Analysis			
							Date	Time	Who	Method	Date	Time	Who
Dairy Analysis													
Alkalinity (as CaCO ₃)	250	10	mg/L		1	I	06/10/2023	18:39	amm	SM 4500-H+B	06/10/2023	21:28	amm
Bicarbonate	290	10	mg/L		1	I	06/10/2023	18:39	amm	SM 4500-H+B	06/10/2023	21:28	amm
Carbonate	10	10	mg/L		1		06/10/2023	18:39	amm	SM 4500-H+B	06/10/2023	21:28	amm
Hydroxide	10	10	mg/L		1		06/10/2023	18:39	amm	SM 4500-H+B	06/10/2023	21:28	amm
Chloride	8	1	mg/L	500 ²	1	I	06/07/2023	13:18	ldm	EPA 300.0	06/07/2023	16:46	ldm
Nitrate Nitrogen	ND	0.4	mg/L	10	1	U	06/13/2023	10:00	lfs	SM 4500-NO3 F	06/13/2023	13:53	lfs
Conductivity	519	1	umhos/cm	1600 ²	1	I	06/10/2023	18:39	amm	SM 4500-H+B	06/10/2023	21:28	amm
Sulfate	11.3	0.5	mg/L	500 ²	1	b	06/07/2023	13:18	ldm	EPA 300.0	06/07/2023	16:46	ldm
Solids, Total Dissolved (TDS)	340	20	mg/L	1000 ²	1		06/06/2023	15:50	ctl	SM 2540 C	06/07/2023	11:25	ctl
Calcium	6	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	14:42	ac
Magnesium	2	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	14:42	ac
Sodium	116	1	mg/L		1		06/14/2023	02:15	ejc	EPA 200.7	06/15/2023	14:42	ac

DQF Flags Definition:

- I The RPD for the laboratory duplicate exceeded laboratory criteria.
- L The MS/MSD did not meet QC criteria.
- U Constituent results were non-detect.
- b The Blank was positive for constituent but less than the PQL.

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

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

June 27, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2343453
Customer No. : 4018505

Quality Control - Metals

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Calcium	200.7	06/14/2023:206492EJC	Blank	mg/L		ND	<1	
		(SP 2309701-002)	LCS	mg/L	12.00	94.2%	85-115	
			MS	mg/L	12.00	38.6%	<¼	
			MSD	mg/L	12.00	39.7%	<1/4	
			MSRPD	mg/L		0.1%	≤20.0	
		(CC 2381858-003)	MS	mg/L	12.00	21.3%	<¼	
			MSD	mg/L	12.00	92.2%	75-125	
			MSRPD	mg/L		4.6%	≤20.0	
Magnesium	200.7	06/14/2023:206492EJC	Blank	mg/L		ND	<1	
		(SP 2309701-002)	LCS	mg/L	12.00	97.0%	85-115	
			MS	mg/L	12.00	77.2%	75-125	
			MSD	mg/L	12.00	79.3%	75-125	
			MSRPD	mg/L		0.5%	≤20	
		(CC 2381858-003)	MS	mg/L	12.00	42.6%	<¼	
			MSD	mg/L	12.00	98.9%	75-125	
			MSRPD	mg/L		3.9%	≤20	
Sodium	200.7	06/14/2023:206492EJC	Blank	mg/L		ND	<1	
		(SP 2309701-002)	LCS	mg/L	12.00	94.4%	85-115	
			MS	mg/L	12.00	33.7%	<¼	
			MSD	mg/L	12.00	37.1%	<1/4	
			MSRPD	mg/L		0.3%	≤20.0	
		(CC 2381858-003)	MS	mg/L	12.00	-19.8%	<¼	
			MSD	mg/L	12.00	78.0%	75-125	
			MSRPD	mg/L		4.4%	≤20.0	

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.
- 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.

Explanation

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.

June 27, 2023

Lab No. : VI 2343453

Customer No. : 4018505

Alkalinity (as CaCO3)	2320B	06/06/2023:206153AMM	ND	mg/L		12.0%	10	406
	2320B	(VI 2343598-001)	Dup	mg/L		47.1%	10	440
Bicarbonate	2320B	(STK2337282-001)	Dup	mg/L		12.3%	10	440
	2320B	(VI 2343598-001)	Dup	mg/L		45.0%	10	440
E. C.	2320B	(STK2337282-001)	Dup	umhos/cm		1.10%	5	
	2320B	(VI 2343598-001)	Dup	umhos/cm		6.45%	5	440
Solids, Total Dissolved	2540CE	06/05/2023:206093CTL	Blank	mg/L		ND	<20	
		(SP 2309207-001)	LCS	mg/L	993.7	96.6%	90-110	
		(SP 2309207-001)	Dup	mg/L		1%	5	
	2540CE	06/06/2023:206124CTL	Blank	mg/L		ND	<20	
		(STK2337046-001)	LCS	mg/L	993.7	102%	90-110	
		(STK2337046-001)	Dup	mg/L		2.36%	5	
			Dup	mg/L		0.4%	5	
Chloride,	300.0	06/05/2023:206085LDM	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	104 %	90-110	
			MS	mg/L	50.00	102 %	85-121	
		(STK2337166-001)	MSD	mg/L	50.00	98.7 %	85-121	
			MSRPD	mg/L	10.00	3.2%	≤19	
			MS	mg/L	50.00	104 %	85-121	
		(STK2337166-003)	MSD	mg/L	50.00	102 %	85-121	
			MSRPD	mg/L	10.00	1.9%	≤19	
	300.0	06/07/2023:206467LDM	Blank	mg/L		ND	<1	
			LCS	mg/L	25.00	103 %	90-110	
			MS	mg/L	50.00	78.2 %	85-121	435
		(SP 2309361-004)	MSD	mg/L	50.00	73.7 %	85-121	435
			MSRPD	mg/L	10.00	1.3%	≤19	
			MS	mg/L	50.00	70.9 %	85-121	435
		(SP 2309361-002)	MSD	mg/L	50.00	74.7 %	85-121	435
			MSRPD	mg/L	10.00	1.2%	≤19	
Sulfate	300.0	06/05/2023:206085LDM	Blank	mg/L		ND	<0.5	
			LCS	mg/L	50.00	106 %	90-110	
			MS	mg/L	100.0	104 %	82-124	
		(STK2337166-001)	MSD	mg/L	100.0	101 %	82-124	
			MSRPD	mg/L	10.00	3.3%	≤23	
			MS	mg/L	100.0	106 %	82-124	
		(STK2337166-003)	MSD	mg/L	100.0	104 %	82-124	
			MSRPD	mg/L	10.00	1.8%	≤23	
	300.0	06/07/2023:206467LDM	Blank	mg/L		1	<0.5	
			LCS	mg/L	50.00	104 %	90-110	
			MS	mg/L	100.0	104 %	82-124	
		(SP 2309361-004)	MSD	mg/L	100.0	102 %	82-124	
			MSRPD	mg/L	10.00	1.9%	≤23	
			MS	mg/L	100.0	102 %	82-124	
		(SP 2309361-002)	MSD	mg/L	100.0	101 %	82-124	
			MSRPD	mg/L	10.00	1.2%	≤23	
Nitrate Nitrogen	4500NO3F	06/13/2023:206445LFS	Blank	mg/L		ND	<0.4	
			LCS	mg/L	11.22	99.0%	80-120	
			MS	mg/L	5.609	90.4%	66-125	
		(SP 2309747-002)	MSD	mg/L	5.609	91.2%	66-125	

June 27, 2023

Livingston Dairy Consulting, Inc.

Lab No. : VI 2343453

Customer No. : 4018505

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type MSRPD	Units mg/L	Conc.	QC Data 0.3%	DQO ≤30.4	Note
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Definition

- Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
- 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.

Explanation

- 406 : Matrix Spike (MS) not within the Acceptance Range (AR) because of high analyte concentration in the sample. Data was accepted based on the LCS or CCV recovery.
- 435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
- 440 : Sample nonhomogeneity may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.



Special

CHAIN OF CUSTODY
www.fglinc.com

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-4 Midnight Farms

Purchase Order Number:

Quote Number: VI 20210208-01

Sampler(s) Martina

Sampling Fee: _____ Pickup Fee: _____

Compositor Setup Date: _____ / _____ / _____ Time: _____ / _____

Lab Number: VI 2343453 4-18505

Samp Num	Location Description	Date Sampled	Time Sampled	Type of Sample	Method of Sampling: Composite(C) Grab(G)	Batch Type: Other(O) Routine(ROUT) System(SYS) Source(SR) Waste(W)	Batch Reason: Other(O) Special(SPL) Replace(RPL) Repeal(RPT) Relocate(RPL)	Dairy Analysis-WA-AIK.	(CaCO ₃),Cl,Conductivity,NO ₃ -N,TDS,SO ₄ ,Ca,Na,Mg 16oz(p)	TEST DESCRIPTION - See Reverse side for Container, Preservative and Sampling information
1	DON # 1	6/12	8:55AM	G	DNL	R				
2	DON # 2		8:59AM	G						
3	DON # 3		9:04AM	G						
4				G						
5				G						
6				G						
7				G						
8				G						
9				G						
10				G						

Remarks:	<u>Hand Five</u>	Date: <u>6/22/23</u>	Time: <u>152</u>	Relinquished By: <u>SRO</u>	Date: <u>6/2/23</u>	Time: <u>1730</u>	Received By: <u>SRO</u>	Date: <u>6/2/23</u>	Time: <u>1730</u>	Relinquished By: <u>SRO</u>
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Corporate Offices & Laboratory
 863 Corporation Street
 Santa Paula, CA 93060
 Phone: (805) 392-2000
 Fax: (805) 392-0423

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

Office & Laboratory
 3442 Empress 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

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: 23.3° / / / /
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.
3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No N/A
5. VOAs checked for Headspace? Yes No N/A
6. Were sample custody seals intact? Yes No N/A
7. If required, was sample split for pH analysis? Yes No N/A
8. Were all analyses within holding times at time of receipt? Yes No N/A
9. Verify sample date, time and sampler name Yes No N/A

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: 1 / / / / 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: SCA518402

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

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 N/A

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

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

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: _____

(4018505)

Initiated By: _____

Problem:

Resolution:

Livingston Dairy Consulting, Inc.

VI 2343453

iv 06/05/2023 08:07:36



VI 2343453

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

234 345 3

ATTACHMENT D

Manure/Process Wastewater Tracking Manifest For Existing Milk Cow Dairies

Instructions:

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

Operator Information:

Name of Operator: Joe V Pimentel

Name of Dairy Facility: MidNight Farms

Facility Address: 9240 Highway 41 Lemoore 93245
Number and Street City Zip Code

Contact Person Name and Phone Number: Luis Avila 559-469-6630
Name Phone Number

Manure/Process Wastewater Hauler Information:

Name of Hauling Company/Person: Avila TNC

Address of Hauling Company /Person: 9240 Highway 41 Lemoore 93245
Number and Street City Zip Code

Contact Person: Luis Avila 559-469-6630
Name Phone Number

Destination Information:

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

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

Stone Land Po Box 122 Stratford 93260
Name Number and Street City Zip Code Phone Number

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

Lacey Blvd Lemoore 93245 APN#021-670-005
Number and Street City Zip Code Assessor's Parcel Number

Dates Hauled: 10-17-23

Amount Hauled:

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

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

Manure Solids Content (if amount reported in tons): 808.54 tons

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

Waste Discharge Requirements General Order No. R5-2007-0035
Existing Milk Cow Dairies

Method used to determine amount of manure: Average load is 10 tons

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

Yes No

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement).

Certification:

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

Operator's Signature:

Joe V Pimentel

Date: 10-17-23

Hauler's Signature:

Linn M. Dill for Arik J. Jr.

Date: 10-17-23

ATTACHMENT D

**Manure/Process Wastewater Tracking Manifest
For
Existing Milk Cow Dairies**

Instructions:

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

Operator Information:	<u>Joe V Rimentel</u>		
Name of Operator:			
Name of Dairy Facility:	<u>Midnight Farms</u>		
Facility Address:	<u>9240 Highway 41</u>	<u>Lemoore</u>	<u>93245</u>
	Number and Street	City	Zip Code
Contact Person Name and Phone Number:	<u>Luis Avila</u>	<u>559-469-6630</u>	
	Name	Phone Number	
Manure/Process Wastewater Hauler Information:			
Name of Hauling Company/Person:	<u>Avila Inc</u>		
Address of Hauling Company /Person:	<u>9240 Highway 41</u>	<u>Lemoore</u>	<u>93245</u>
	Number and Street	City	Zip Code
Contact Person:	<u>Luis Avila</u>	<u>559-469-6630</u>	
	Name	Phone Number	
Destination Information:			
Composting Facility / Broker	<u>Farmer</u>	Other (identify)	<u>Stone Land</u>
(please circle one)			
Contact information of Composting Facility, Broker, Farmer, or Other (as identified above):			
<u>Stone Land</u>	<u>Po Box 1420</u>	<u>Stratford</u>	<u>CA</u>
Name	Number and Street	City	Zip Code
			Phone Number
Manure/Process Wastewater Destination Address or Assessor's Parcel Number:			
<u>17365 Iona Ave Lemoore</u>	<u>City</u>	<u>Zip Code</u>	<u>APN # 024-063-045-</u>
Number and Street			Assessor's Parcel Number
Dates Hauled:	<u>10-30-23</u>		
APN #	<u>024-063-013-46</u>		
Amount Hauled:			
Enter the amount of manure hauled in tons or cubic yards (indicate the units used), the manure solids content (if amount reported in tons) or manure density (if amount reported in cubic yards), and the method used to calculate the amount:			
Manure:	<u>TONS</u>	Tons or Cubic Yards (indicate which units used)	
Manure Solids Content (if amount reported in tons):	<u>718.13 TONS</u>		
Manure Density (if amount reported in cubic yards):			

Waste Discharge Requirements General Order No. R5-2007-0035
Existing Milk Cow Dairies

Method used to determine amount of manure: Average load is 10 tons

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

Process Wastewater: _____ Gallons

Method used to determine volume of process wastewater: _____

Written Agreement:

Does the Operator have a written agreement (in compliance with Land Application Specification C.2 of Waste Discharge Requirements General Order No. R5-2007-0035) with any party that receives process wastewater from the Operator for its own use? (please check one)

Yes No

If the answer is no, the Operator agrees to have such a written agreement with any such party for any process wastewater transferred after 31 December 2007 to such party.

(Operator shall provide initials here to acknowledge this requirement).

Certification:

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

Operator's Signature: Joe V. Perriello Date: 10-30-23

Hauler's Signature: Chris McCullough Date: 10-30-23